Giovanni Solari
CURRICULUM VITAE

Giovanni Solari (GS) was born in Genoa, Italy, on 9 January 1953.
In 1977 he obtained his Master Degree in Civil Engineering at the University of Genoa, Magna cum Laude. The thesis was awarded with the "Dignità di Stampa" Award.



GS contributed to Wind Engineering with special regard to the closed form solution of the along-wind and 3D response of structures, the equivalent wind spectrum technique, turbulence modelling and simulation, proper orthogonal decomposition and double modal transformation, wind-induced fatigue, extreme wind speed statistics, and thunderstorms. Many of these contributions had a relevant impact on the engineering practice, the structural design, and the codification sector. Also for these reasons, he was awarded with the most important international awards in this field, these including an ERC Advanced Grant. The Wind Engineering community entrusted him to chair the panel appointed to create a new framework and organization of the International Association of Wind Engineering, then it elected him as the first president of the new coarse. He was also a co-founder co-editor in chief of one of the two main international journals in Wind Engineering, namely Wind and Structures; the other one, the Journal of Wind Engineering and Industrial Aerodynamics, of which he is a member of the Editorial Board, awarded him some Certificates of Excellence in Reviewing.

Current Academic Position

Professor of *Structural Engineering* and *Wind Engineering* at the University of Genoa (UNIGE), Member of the Teaching College of the Research Doctorate School in Civil, Chemical and Environmental Engineering at the University of Genoa, Visiting Professor and Senior Adviser of the first Academic Council of Beijing's Key Laboratory of Structural Wind Engineering and Urban Wind Environment at the Beijing Jaotong University, Beijing, China,and Adjunct Professor at the Faculty of Engineering of the University of Western Ontario, London, Ontario, Canada, Honorary Professor at the Shijiazhuang Tiedao University and Central South University Changsha, China.

Research and Professional Interests

Wind Engineering, Structural Dynamics, Structural Reliability, Structural Engineering, Infrastructural Systems, Earthquake Engineering, Probability Theory and Random Processes.

Italian Academic Career

From 2018	Member of the Monitoring Committee for the Excellence Department Project of the Superior University School in Pavia (IUSS)
From 2015	Decan of the Department of Civil, Chemical and Environmental Engineering of the Polytechnic School at the University of Genoa
From 2012	Member of the Teachnig College at the Research Doctorate School of Civil, Chemical and Environmental Engineering at Genoa University
2011-2013	Member of Evaluation Expert Group (GEV) for Area 08 – Civil Engineering and Architecture, for the National Evaluation Agency of the University and Research System (ANVUR)
2011-2012	Coordinator of the Scientific-Disciplinary Civil Engineering and Architecture Area of the University of Genoa
2009-2018	Responsible of the Wind Tunnel Laboratory at the Faculty of Engineering of the University of Genoa
2006-2012	Member of 08 Area "Civil Engineering and Architecture" Committee at Genoa University
2005-2009	President of the Teachnig College of the Course of Structural and Geotechnical Engineering of the Research Doctorate in Civil and Environmental Engineering at Genoa University
2005-2009	Coordinator of the Teachnig College at the Research Doctorate of Structural and Geotechnical Engineering at Genoa University
2003-2005	Co-Director of the Second Level University Master in Wind Engineering, co-organised by Genoa University and Milan Politechnic
2002	Member of the Advisory Board of the first European Degree in *Wind Engineering*, jointly organised by Genoa University and Milan Polytechnique
1999-2012	Member of the Teachnig College at the Research Doctorate School of Structural and Geotechnical Engineering at Genoa University
1998-2000	Member of the Board of Directors of Genoa University
1997-2003	Director of the Department of Structural and Geotechnical Engineering of Genoa University
1992-2001	Member of the Teaching College at the Research Doctorate School of Structural Engineering at Florence University
From 1991	Full Professor of Structural Engineering at Genoa University
1990	Full Professor of Structural Mechanics at Calabria University
1988-1989	Associate Professor of Structural Engineering at Genoa University
1983-1987	Assistant Professor of Structural Mechanics at Genoa University

Foreign Academic Positions

From 2018	Honorary Professor at the Central South University Changsha, China.

From 2016 Honorary Doctor Honoris Causa at the Technical University of Civil Engineering of Bucharest, Romania

From 2016 Honorary Professor at the Shijiazhuang Tiedao University, China

From 2016 Guest Professor and Lecturer at the Faculty of Engineering of the University of Western Ontario, London, Ontario, Canada

2015-2016 Guest Professor and Lecturer at the Universidad de la Republica of Montevideo, Uruguay

From 2013 Senior Adviser and Visiting Professor of the first Academic Council of Beijing's Key Laboratory of Structural Wind Engineering and Urban Wind Environment at the Beijing Jaotong University, Beijing, China

From 2005 Academic Staff Member of the European School for Advanced Studies in Reduction of Seismic Risk (ROSE School)

2003-2013 Visiting Professor at the Tokyo Polytechnic University, Japan

International Prizes and Awards

2020 Elected as Distinguished Fellow of the International Engineering and Technology Institute (IETI).

2019 Appointed Honorary Member of the Romanian Association for Wind Engineering.

2019 Springer publishes the Springer Tract in Civil Engineering "Wind science and engineering: origins, developments, fundamentals and advancements", by G. Solari (944 pages).

2019 Invited Talk at TEDxGenova, Italy, The wind engineer, 23 February 2019.

2018 Appointed Honorary Professor at the Central South University Changsha, China.

2017 Winner of the 2017 Robert H. Scanlan Medal awarded by the Engineering Mechanics Institute of the American Society of Civil Engineers, "for his outstanding contributions to wind engineering and their applications in structural mechanics".

2017 Awarded by the European Research Council (ERC) with an Advanced Grant (AdG) 2016 for the Project THUNDERR, "Detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures": "The PI is a world-renowned expert in wind engineering as illustrated by many awards, invited lectures and successful national and international research projects. Moreover, he has an excellent international network of which several universities are involved in the present project. The panel considers that bringing the knowledge of thunderstorm outflows to the same level as extra-tropical cyclones is groundbreaking. Moreover, the panel highly valued the research methodology, being a combination of wind tunnel experiments, full scale tests on towers, CFD modelling, evaluation of structural response and code development. If successful, the project will have an important impact on the future design of wind-loaded structures"

2016 Awarded by the Technical University of Civil Engineering of Bucharest, Romania with the honorary Doctor Honoris Causa "as a sign of appreciation for outstanding contributions to the development of wind engineering; for a prestigious academic career, during which he contributed to the formation of many successful engineers and researchers; as a recognition of professional excellence proven by the large number of research projects and complex technical studies on the response of structures to wind action, especially for his vital contribution in establishing the solution to secure the opera 'The Endless Column' by Constantin Brâncuși; as an

appreciation for the support of the international engineering community through active involvement in the development of international technical committees of national and international standards and professional associations; in recognition of the profound friendship, cooperation and support he provided to the academic and scientific community of the Technical University of Civil Engineering of Bucharest".

2016 Appointed Honorary Professor at the Shijiazhuang Tiedao University, China.

2015 Awarded by the International Association for Wind Engineering with the IAWE Key as "IAWE President 2003-2007".

2014 Winner of the Raymond C. Reese Research Prize awarded by the Structural Engineering Institute (SEI) of the American Society for Civil Engineers (ASCE) for the paper "Closed-form prediction of the alongwind-induced fatigue of structures" as published in the September 2012 issue of the Journal of Structural Engineering.

2013 Elected as Fellow of the Engineering Mechanics Institute (EMI) of the American Society of Civil Engineers (ASCE) by actions of the Board of Governors of EMI.

2013 Winner of the Otto H.G. Flachsbart Medal awarded by the Windtechnologische Gesellschaft e.V. Germany – Austria - Switzerland, "for his pioneering scientific research work, for fundamental knowledge in the science of wind engineering and for his engagements for the Eurocode and in the European African Wind Engineering Association". Before him, this medal was awarded to only Alan G. Davenport (2000) and Jack E. Cermak (2007).

2011 Winner of the 2011 Alan G. Davenport Medal awarded by the International Association for Wind Engineering, "for his many contributions to the modelling of dynamic wind load effects on structures with applications to building structures".

2006 Winner of the 2006 Jack E. Cermak Medal awarded by the Structural Engineering Institute and the Engineering Mechanics Division of the American Society of Civil Engineers, "for outstanding contributions to scientific research in wind engineering and to its practical applications".

2000 Awarded by the American Association for Wind Engineering, "in appreciation for the many contributions to the development of the ASCE-7 wind load standard"

Other Recognitions

2018 Awarded by Safety Science and Elsevier with a Certificate of Outstanding Contribution in Reviewing "in recognition of the contributions made to the quality of the journal".

2018 Shortlisted for the 2018 Best Research Paper prize in Structures, Elsevier, for the contribution: "Wind Loading of Structures: Framework, Phenomena, Tools and Codification", by Giovanni Solari, Structures, 12, 265–285 (2017).

2017 Awarded by Engineering Structures and Elsevier with a Certificate of Outstanding Contribution in Reviewing "in recognition of the contributions made to the quality of the journal".

2017 Awarded by the Journal of Wind Engineering & Industrial Aerodynamics and Elsevier with a Certificate of Outstanding Contribution in Reviewing "in recognition of the contributions made to the quality of the journal".

2017 Awarded by Sustainable Cities and Society and Elsevier with a Certificate of Outstanding Contribution in Reviewing "in recognition of the contributions made to the quality of the journal".

2014 Awarded by Engineering Structures and Elsevier with a Certificate of Outstanding Contribution in Reviewing "in recognition of the contributions made to the quality of the journal".

2014 Awarded by the Journal of Wind Engineering & Industrial Aerodynamics and Elsevier with a Certificate of Outstanding Contribution in Reviewing "in recognition of the contributions made to the quality of the journal".

2013 Awarded by the Journal of Wind Engineering & Industrial Aerodynamics and Elsevier with a Certificate of Excellence in Reviewing "in recognition of an outstanding contribution to the quality of the journal".

Presidency of Associations and Committees

2020-2023 President of the Italian Institute of Welding (Istituto Italiano della Saldatura)

2018-2020 Designated President of the Italian Institute of Welding (Istituto Italiano della Saldatura) for the period 2020-2023

2016-2023 President of the Awards Committee of the International Association for Wind Engineering (IAWE)

2003-2007 President of the International Association for Wind Engineering (IAWE)

1999-2003 Chairman of the International Panel appointed to develop a new IAWE organisation and the related By-Laws

1999-2003 President of the Italian National Association for Wind Engineering (ANIV)

1995-2003 European and African Regional Co-ordinator of the International Association for Wind Engineering (IAWE)

Chairmanship of Conferences

1. 2nd European & African Conference on Wind Engineering (Genoa, Italy, 22-26 June 1997)
2. International Workshop on Wind Energy and Landscape (Genoa, Italy, 26-27 June 1997)
3. Wind Engineering Workshop (Moscow, Russia, 19-20 February 1998)
4. Hyundai Industry Forum on Wind Engineering (Seoul, Korea, 24 August 1999)
5. 1st International Symposium on Wind and Structures for the 21st Century (Cheju, Korea, 26-28 January 2000)
6. 6th Italian National Conference on Wind Engineering (Genoa, Italy,18-21 June 2000)
7. International Seminar on Wind Power: State-of-the-art technologies, success stories, deployment potential (Verona, Italy, 7 December 2000)
8. 2nd International Symposium on Advances in Wind & Structures (Busan, Korea, 21-23 August 2002)
9. 8th International Conference on Computational Stochastic Mechanics (Paros, Greece, 10-13 June 2018)

Chairmanship of Advanced Schools

1. International Advanced School on Wind-excited and aeroelastic vibrations of structures (EC, European Summer School, Genoa, Italy, 12-16 June 2000)
2. International Advanced School on Thunderstorm outflows and their impact on structures (EC, European Research Council, Genoa, Italy, 9-13 March 2020; postponed due to Coronavirus pandemic)

Editorial Duties for International Journals and Book Series

From 2018	Series Co-Editor of Springer Lecture Notes in Civil Engineering
From 2017	Series Co-Editor of Springer Tracts in Civil Engineering
1997-2005	Co-Editor in Chief of Wind & Structures, an International Journal

Membership of Editorial Boards of International Journals and Handbooks

From 2020	Infrastructures, Multidisciplinary Digital Publishing Institute
From 2019	Journal of Zhejiang University-SCIENCE A, Springer Nature
From 2019	Advances in Bridge Engineering, Springer Nature
From 2019	Frontiers of Structural and Civil Engineering
From 2018	Journal of Transportation, Safety and Environment
2018	Journal of Mathematical Problems in Engineering, Hindawi
From 2017	The Handbook of Non-Synoptic Wind Storm Hazards, Oxford University Press
2017	Journal of Aerospace Engineering, Hindawi
From 2011	Journal of Wind Engineering and Industrial Aerodynamics, Elsevier
From 2008	The Open Statistics and Probability Journal, Bentham Open
From 2007	The Open Construction and Building Technology Journal, Bentham Open
From 2007	Probabilistic Engineering Mechanics, Elsevier
From 2006	Wind & Structures, an International Journal, Techno Press
From 2005	Indian Journal of Engineering & Materials Sciences
From 2004	Journal of Wind and Engineering
From 2002	Advances in Structural Engineering, Multi-Science Publishing

Membership of Scientific Panels and Boards

From 2020	Member of the General Council of the Italian Institute of Welding (Istituto Italiano della Saldatura)
From 2019	Member of the Steering Committee of the Italian Institute of Welding (Istituto Italiano della Saldatura)
From 2018	Member of the WindEEE International Research Board, University of Western Ontario, London, Canada
From 2018	Member of the '111' Project "High performance infrastructures and effective operation of wind farms" supported by the Ministry of Education and the State Administration of Foreign Experts Affars, China, at the Chongqing University, China
From 2014	Member of the National Science Foudation (NSF) Oversight Committee, University of Florida, U.S.
2014-2018	Member of the Research Board of the WindEEE (Wind Engineering Energy and Environment) Research Institute, University of Western Ontario, London, Canada
From 2013	Member of the '111' Project "Innovation on mitigating wind-induced disaster of infrastructures sensitive to wind" supported by the Ministry of Education, China, at the Beijing Jaotong University, Beijing, China
From 2012	Official Nominator for the Japan Prize Foundation
2012-2015	Member of the Awards Committee of the International Association for Wind Engineering (IAWE)
2010-2012	Member of the Scientific Committee for the Messina Straits Bridge
2008-2013	Member of the Global Centre Of Excellence (Global COE) Program Advisory

	Board on New Frontier of Education and Research in Wind Engineering, Tokyo Polytechnic University, Japan
2006-2007	Board Member of the World Wind Energy Association (WWEA)
2003-2008	Member of the Centre Of Excellence (COE) Program Advisory Board on Wind Effects on Buildings and Urban Areas, Tokyo Polytechnic University, Japan
2003-2005	Member of the Scientific Committee for the Messina Straits Bridge
2002-2003	Member of the Technical-Scientific Committee addressing the design activities related to the Messina Straits Bridge, appointed by the Ministry of Infrastructures and Transportation
From 2000	Charter Member of the Structural Engineering Institute (SEI) of the American Society of Civil Engineers (ASCE)
From 2000	Honorary Member of the Research Board of Advisors of the American Biographic Institute
1999-2011	Executive Board Member of the International Association for Wind Engineering (IAWE)
From 1999	Member of the Probabilistic Methods Committee of the Engineering Mechanics Division of the American Society for Civil Engineers (ASCE)
From 1997	Advisory Board Member of the International Wind Engineering Forum (IWEF)
1994-2002	Co-Responsible of the Meteo-Hydrological Centre of Liguria Region (CMIRL)
From 1994	Member of the Scientific Advisory Board of the Italian Organising Committee for activities in Structural Dynamics (CADIS)
1988-1999	International Delegate of the Italian National Association for Wind Engineering (ANIV)
1988-2011	Member of the Steering Committee of the Italian National Association for Wind Engineering (ANIV)
From 1987	Member of the American Society of Civil Engineers (ASCE)
From 1987	Member of the Wind Engineering Research Council (WERC)
From 1983	Member of the Steering Committee of the International Association for Wind Engineering (IAWE)

Membership of Academies

From 2011	Member of the Ligurian Academy of Science and Letters, affiliate with Accademia Nazionale dei Lincei and with Unione Accademica Nazionale (Academic National Union)
2005-2011	Corresponding Member of the Ligurian Academy of Science and Letters

Scientific Activity

- Author of Books, Editor of Books and Journals, Guest Editor of Special Issues of Journals, Author of Papers, many of which published in Refereed International Journals (Annex 1)
- Member of Scientific Committees and Advisory Boards of Conferences (Annex 2)
- Chairman of Sessions of Conferences (Annex 3)
- Invited Lecturer at Conferences (Annex 4) and other Institutions (Annex 5)
- Reviewer and Panel Member for Publishers, Journals, Conferences, Universities, Awards and Grant Institutions (Annex 6)
- Responsible of Financed Projects and Industrial Innovations (Annex 7)

- Supervisor of Ph.D. Students and Post-Doc Scientists, responsible of or reference for foreign visiting scholars. Also contributor to early careers of several scholars and technicians (Annex 8)

Teaching Activity

2018	Professor of *Introduction to Thunderstorm Downbursts and their Loading of Structures* at the Research Doctorate School of Civil, Chemical and Environmental Engineering of the University of Genoa
2019	Professor of *Introduction to Construction and Territorial Engineering* at the University of Genoa
From 2016	Professor of *Wind-Excited and Aeroelastic Response of Structures* at the University of Western Ontario, London, Ontario, Canada
2016	Professor of *Fundamentals of Aerodynamics, Dynamics and Aeroelasticity of Structures* at the Universidad de la Republica of Montevideo, Uruguay
2015	Professor of *Aerodynamics, Dynamics and Aeroelasticity of Structures* at the Universidad de la Republica of Montevideo, Uruguay
2008-2018	Professor of *Structural Engineering* at the University of Genoa
2007-2009	Professor of *Probability Theory and Reliability Analysis* at the Research Doctorate School of Structural and Geotechnical Engineering at the University of Genoa
2005	Professor of *Dynamic Analysis of Structures* at the European School for Advanced Studies in Reduction of Seismic Risk (ROSE School)
2003-2007	Professor of *Dynamics of Constructions* at the University of Genoa
2003-2004	Professor of *Wind Actions and Effects on Structures* at the 2nd Level University Master in Wind Engineering, co-organised by the University of Genoa and Milan Politechnic
2003-2004	Professor of *Introduction to Wind Engineering* at the 2nd Level University Master in Wind Engineering, co-organised by the University of Genoa and Milan Politechnic
2002-2004	Professor of *Mechanics of Vibrations* at the University of Genoa
2000-2003	Professor of *Probability Theory and Random Processes* at the Research Doctorate School of Structural and Geotechnical Engineering at the University of Genoa
From 2000	Professor of *Wind Engineering* at the University of Genoa
1998-2003	Professor of *Structural Dynamics* at the University of Genoa
1991-2000	Professor of *Probability theory and Random Processes* at the Research Doctorate School of Structural Engineering at the University of Florence
1990-1998	Professor of *Construction in Seismic Zone* at the University of Genoa
1990-1991	Professor of *Structural Theory* at the University of Calabria
1988-1990	Professor of *Earthquake Engineering* at the University of Genoa
1981-1983	Contract Professor of *Earthquake Engineering and Special Dynamics Problems* at the University of Genoa

Also Teacher and Lecturer at many Professional Courses (Annex 9).

Codes and Standards

- President and member of several Committees for Codes and Standards (Annex 10)

- Author of methods for defining wind actions and calculating the wind-induced structural response recommended by the Italian, European, American, and other codes

Technical Studies

2013-2016	Scientific Responsible for the European Project "Wind, Ports & Sea"
2012	Member of the Expert Team that supported the Italian National Sailing Team at the London Olymic Games
2009-2013	Scientific Responsible for the European Project "Wind & Ports"
2010-2013	Member of the Scientific Committee for the Messina Straits Bridge
2006-2009	Responsible of the wind hazard analysis of the Italian High-Speed Railway Network on behalf of the Italian Railway Company (RFI)
2003-2005	Member of the Scientific Committee for the Messina Straits Bridge
2002	Appointed by the Italian Minister of Infrastructures and Transportations as a Member of the Technical-Scientific Committee for planning design activities concerning the Messina Straits Bridge
2001	Involved to study the wind-induced behaviour of the Brancusi Endless Column, Romanian National Monument and UNESCO World Monument of the Humanity, on behalf of the Romanian National Institute for Building Research
1994-2002	Co-founder co-responsible of the Meteo-Hydrological Centre of Liguria Region
1992	Appointed by the Presidency of the Italian Cabinet as Responsible for the wind risk analyses of the Leaning Tower of Pisa

He also conducted the study of several important structures (high-rise and low-rise buildings, towers and chimneys, bridges and footbridges, large roofs and canopies, thermoelectric power plants, cranes and dockers) and infrastructures (ports, airports, railways, wind farms, telescope arrays) (Annex 11).

Mass Media

The activity of Giovanni Solari has been also the subject of several articles appeared on newspapers, magazines, bulletins and television interviews (Annex 12).

WinDyn Research Group

Giovanni Solari coordinates the WinDyn Research Group on Wind Engineering and Structural Dynamics at the Department of Civil, Chemical and Environmental Engineering (DICCA) of the Polytechnic School of the University of Genoa. It currently consists of 9 people with permanent staff positions, 3 with temporary positions, many PhD and Master students, frequent visiting scientists. In its whole, they give life to a highly interdisciplinary group averagely made up of 20 people (Annex 13).

Ranking

2018	The University of Stanford published a worldwide ranking of the best Civil Engineers in the last century using SCOPUS parameters. In this ranking GS occupies the 105th position in the world, the 19th position in Europe and the 1st position in Italy. Many people in front of GS passed away.

2019 The Association Via-academy published a census of the Top Italian Scientists in all the engineering fields using GOOGLE SCHOLARS parameters. In this ranking GS occupies the 144th and the 11th position among Civil Engineers. Many people in front of GS are Italian but work abroad.

Coordinates and References

Prof. Giovanni Solari
Website: http://www.giovannisolari.it/

Department of Civil, Chemical and Environmental Engineering
Polytechnic School, University of Genoa
Via Montallegro, 1
16145 Genoa
Italy
Phone: +39-010-353-2940
Fax: +39-010-353-2292
E-mail: giovanni.solari@unige.it
Website: http://www.dicca.unige.it/solari/
Website: http://www.windyn.org/
Website: http://www.thunderr.eu/

President
Italian Institute of Welding (Istituto Italiano della Saldatura)
Lungobisagno Istria, 15A
16141 Genoa
Italy

Phone: +39-010-8341-332/1
Fax: +39-010-8341-348
E-mail: giovanni.solari@iis.it
Website: http://www.iis.it

Skype: giovanni.solari.53
Orcid: http://orcid.org/0000-0002-2376-4498
Linkedin: https://www.linkedin.com/in/giovanni-solari-423ab2a7/
Research Gate: https://www.researchgate.net/profile/Giovanni_Solari2
Google Scholar: https://scholar.google.it/citations?user=-rAXKEEAAAAJ&hl=it
Scopus: https://www.scopus.com/authid/detail.uri?authorId=7004648228

Prof. Ing. Giovanni Solari

Annex 1

Giovanni Solari

PUBLICATIONS

International Books

1. Brancaleoni, F., Diana, G., Faccioli, E., Fiammenghi, G., Firth, I.P.T., Gimsing, N.J., Jamiolkowski, M., Sluszka, P., Solari, G., Valenise, G., Vullo, E. (2009). Messina Strait Bridge – A challenge and a dream, CRC Press, Balkema, ISBN 978-0-415-46814-5.
2. Solari, G., Repetto, M.P., Burlando, M. (2012). Vento e Porti – La previsione del vento per la gestione e la sicurezza delle aree protuali / Vent et Ports – La prévision du vent pour la gestion et la sécurité des zones portuaires, A.P. Genova Ed., ISBN 978-88-901246-4-8.
3. Solari, G., Repetto, M.P., Burlando, M., De Gaetano, P, Pizzo, M., Tizzi, M., Carmisciano, C., Iafolla, L. (2015). Wind, Ports and Sea: the monitoring and forecasting of sea and weather conditions for safe access to the port areas. Autorità Portuale di Genova Ed., ISBN 9788894181500.
4. Solari, G. (2019). Wind science and engineering: origins, developments, fundamentals and advancements. Springer, Switzerland, ISSN 2366-259X, ISSN 2366-2603, ISBN 978-3-030-18814-6, ISBN 978-3-030-18815-3, https://doi.org/10.1007/978-3-030-18815-3.

Italian Books

1. Solari, G. (2020). La mia vita nel vento e nell'ingegneria: un viaggio denso di esperienze umane e professionali, under discussion with some publishing houses.

Edited Books

1. Solari, G., Ed. (1997). *Proceedings of the 2nd European & African Conference on Wind Engineering*, Genova, Italy, June 22-26, 1997, S.G.Editoriali, Padova, 2000 pp.
2. Ratto, C.F., Solari, G., Eds. (1998). *Proceedings of the International Workshop on Wind Energy and Landscape*, Genova, Italy, June 26-27, 1997, Balkema, Rotterdam, 300 pp.
3. Choi, C.K., Solari, G., Eds. (1999). *Proceedings of the Hyundai Industry Forum on Wind Engineering*, Seoul, Korea, August 24-25, 1999, Techno Press, Seoul, 82 pp.
4. Choi, C.K., Solari, G., Kanda, J., Kareem, A., Eds. (2000). *Volume of Abstracts of the 1st International Symposium on Wind and Structures for the 21th Century*, Cheju, Korea, January 26-28, 2000, Techno Press, Seoul, 68 pp.
5. Choi, C.K., Solari, G., Kanda, J., Kareem, A., Eds. (2000). *Proceedings of the 1st International Symposium on Wind and Structures for the 21st Century*, Cheju, Korea; Techno Press, Seoul, 500 pp.
6. Solari, G., Pagnini, L.C., Piccardo, G., Eds. (2000). *L'ingegneria del vento in Italia 2000: Atti del Sesto Convegno Nazionale di Ingegneria del Vento*, Genova; S.G.Editoriali, Padova, 600 pp.
7. Choi, C.K., Kareem, A., Matsumoto, M., Solari, G., Eds. (2002). *Proceedings of the 2nd International Symposium on Wind and Structures for the 21st Century*, Busan, Korea; Techno Press, Seoul, 701 pp.

Edited International Journals and Special Issues

1. Choi, C.K., Kanda, J., Kareem, A., Solari, G., Eds. (1998-2000). *Wind & Structures*, 1-3, 1011 pp.
2. Solari, G., Ed. (1998). *Journal of Wind Engineering and Industrial Aerodynamics*. Special Issue containing selected papers presented at the 2nd European & African Conference on Wind Engineering, Genova, Italy, 74-76, 1100 pp.
3. Solari, G., Ed. (1998). *Meccanica*. Special Issue containing selected papers presented at the 2nd European & African Conference on Wind Engineering, Genova, Italy, 33, 3, 150 pp.
4. Solari, G., Ed. (2000). *Wind & Structures*. Special Issue containing selected papers presented at the Hyundai Wind Engineering Forum, Seoul, Korea, 3, 4, 80 pp.
5. Choi, C.K., Kareem, A., Matsumoto, M., Solari, G., Eds. (2001-2003). *Wind & Structres*, 4-6, 1583 pp.
6. Diana, G., Solari, G., Eds. (2003). *Wind & Structures*. First part of the Special Issue on the 7th Italian National Conference on Wind Engineering - I, Wind & Structures, 6, 6, 80 pp.
7. Diana, G., Solari, G., Eds (2004). *Wind & Structures*. Second part of the Special Issue on the 7th Italian National Conference on Wind Engineering - II, Wind & Structures, 7, 2, 74 pp.
8. Choi, C.K., Kareem, A., Matsumoto, M., Solari, G., Eds (2004). *Wind & Structres*, 7, 447 pp.
9. Diana, G., Lilien, J.L., Solari, G., Eds. (2005). *Wind & Structures*. Special Issue on the 5th International Symposium on Cable Dynamics, 8, 2, 67 pp.
10. Choi, C.K., Kareem, A., Solari, G., Eds (2005). *Wind & Structres*, 8, 467 pp.

Papers in Peer Reviewed International Journals

1. Solari, G., Stura, D. (1981). An evaluation technique of vibration modes of structures interacting with soil. *Engineering Structures*, 3, 225-232.
2. Solari, G. (1982). Alongwind response estimation: closed form solution. *Journal of the Structural Division*, ASCE, 108, 1, 225-244.
3. Solari, G. (1983). Alongwind response estimation: structural classification. *Journal of Structural Engineering*, ASCE, 109, 2, 575-580.
4. Solari, G. (1983). Design wind loads. *Journal of Wind Engineering and Industrial Aerodynamics*, 11, 345-358.
5. Solari, G. (1983). Analytical estimation of the alongwind response of structures. *Journal of Wind Engineering and Industrial Aerodynamics*, 14, 467-477.
6. Corsanego, A., Solari, G. Stura, D. (1984). A comparison of approximate techniques for non-linear seismic soil response. *Earthq. Engng. Struct. Dyn.*, 12, 451-466.
7. Solari, G. (1985). Mathematical model to predict 3-D wind loading on buildings. *Journal of Engineering Mechanics*, ASCE, 111, 2, 254-276.
8. Solari, G. (1986). 3-D response of buildings to wind action. *Journal of Wind Engineering and Industrial Aerodynamics*, 21, 379-393.
9. Solari, G. (1987). Turbulence modeling for gust loading. *Journal of Structural Engineering*, ASCE, 113, 7, 1550-1569.
10. Ballio, G., Solari, G. (1988). The new italian recommendations for wind loads on structures: basic assumptions and critical considerations. *Journal of Wind Engineering and Industrial Aerodynamics*, 30, 123-132.

11. Solari, G. (1988). Equivalent wind spectrum technique: theory and applications. *Journal of Structural Engineering*, ASCE, 114, 6, 1303-1323.
12. Solari, G. (1989). Wind response spectrum. *Journal of Engineering Mechanics*, ASCE, 115, 9, 2057-2073.
13. Solari, G. (1990). A generalized definition of gust factor. *Journal of Wind Engineering and Industrial Aerodynamics*, 36, 539-548.
14. Lagomarsino, S., Piccardo, G., Solari, G. (1992). Statistical analysis of high return period wind speeds. *Journal of Wind Engineering and Industrial Aerodynamics*, 41, 485-496.
15. Ballio, G., Maberini, F., Solari, G. (1992). A 60 years old, 100 m high steel tower: limit states under wind actions. *Journal of Wind Engineering and Industrial Aerodynamics*, 43, 2089-2100.
16. Solari, G. (1993). Gust buffeting. I: peak wind velocity and equivalent pressure. *Journal of Structural Engineering*, ASCE, 119, 2, 365-382.
17. Solari, G. (1993). Gust buffeting. II: dynamic alongwind response. *Journal of Structural Engineering*, ASCE, 119, 2, 383-398.
18. Bocciolone, M., Gasparetto, M., Lagomarsino, S., Piccardo, G., Ratto, C.F., Solari, G. (1993). Statistical analysis of extreme wind speeds in the Straits of Messina. *Journal of Wind Engineering and Industrial Aerodynamics*, 48, 359-377.
19. Solari, G. (1996). Evaluation and role of damping and periods for the calculation of structural response under wind loads. *Journal of Wind Engineering and Industrial Aerodynamics*, 59, 191-210.
20. Piccardo, G., Solari, G. (1996). A refined model for calculating 3-D equivalent static wind forces on structures. *Journal of Wind Engineering and Industrial Aerodynamics*, 65, 21-30.
21. Solari, G. (1997). Wind-excited response of structures with uncertain parameters. *Probabilistic Engineering Mechanics*, 12, 2, 75-87.
22. Solari, G., Pagnini, L.C., Piccardo, G. (1997). A numerical algorithm for the aerodynamic identification of structures. *Journal of Wind Engineering and Industrial Aerodynamics*, 69-71,719-730.
23. Solari, G., Reinhold, T.A., Livesey, F. (1998). Investigation of wind actions and effects on the Leaning Tower of Pisa. *Wind and Structures*, 1, 1, 1-23.
24. Piccardo, G., Solari, G. (1998). Closed form prediction of 3-D wind-excited response of slender structures. *Journal of Wind Engineering and Industrial Aerodynamics*, 74-76, 697-708.
25. Pagnini, L.C., Solari, G. (1998). Serviceability criteria for wind-induced acceleration and damping uncertainties. *Journal of Wind Engineering and Industrial Aerodynamics*, 74-76, 1067-1078.
26. Schettini, E., Solari, G. (1998). Probabilistic modelling of maximum wind pressure on structures. *Journal of Wind Engineering and Industrial Aerodynamics*, 74-76, 1111-1122.
27. Solari, G., Kareem, A. (1998). On the formulation of ASCE7-95 gust effect factor. *Journal of Wind Engineering and Industrial Aerodynamics*, 77 & 78, 673 - 684.
28. Augusti, G., Solari, G. (1998). Wind engineering: A short introduction. *Meccanica*, 33, 215-217.
29. Piccardo, G., Solari, G. (1998). Generalized equivalent spectrum technique. *Wind and Structures*, 1, 2, 161-174.
30. Schettini, E., Solari, G. (1998). Probability distribution and statistical moments of the maximum wind velocity. *Wind and Structures*, 1, 4, 287-302.
31. Pagnini, L.C., Ballio, G., Solari, G. (1998). Modeling and nonlinear seismic analysis of bridges with aseismic design. *European Earthquake Engineering*, 12, 3, 19-29.

32. Pagnini, L.C., Solari, G. (1999). Stochastic analysis of the linear equivalent response of bridge piers with aseismic devices. *Earthquake Engineering Structural Dynamics*, 29, 543-560.
33. Ballio, G., Lagomarsino, S., Piccardo, G., Solari, G. (1999). Probabilistic analysis of Italian extreme winds: Reference velocity and return criterion. *Wind & Structures*, 2, 1, 51-68.
34. Solari, G. (1999). Progress and prospects in gust-excited vibrations of structures. *Engineering Mechanics*, 6, 4/5, 301-322.
35. Solari, G., Pagnini, L.C. (1999). Gust buffeting and aeroelastic behaviour of poles and monotubolar towers. *Journal of Fluids and Structures*, 13, 7-8, 877-905.
36. Piccardo, G., Solari, G. (2000). 3-D wind-excited response of slender structures: Closed form solution. *Journal of Structural Engineering*, ASCE, 126, 8, 936-943.
37. Solari, G., Carassale, L. (2000). Modal transformation tools in structural dynamics and wind engineering. *Wind & Structures*, 3, 4, 221-241.
38. Solari, G., Piccardo, G. (2001). Probabilistic 3-D turbulence modeling for gust buffeting of structures. *Probabilistic Engineering Mechanics*, 16, 1, 73-86.
39. Carassale, L., Piccardo, G., Solari, G. (2001). Double modal transformation and wind engineering applications, *Journal of Engineering Mechanics*, ASCE, 127, 5, 432-439.
40. Pagnini, L.C., Solari, G. (2001). Damping measurements of steel poles and tubular structures, *Engineering Structures*, 23, 1085-1095.
41. Repetto, M.P., Solari, G. (2001). Dynamic alongwind fatigue of slender structures, *Engineering Structures*, 23, 1622-1633.
42. Solari, G. (2001). Analytical methods for estimating the wind-induced response of structures, *Journal of Wind Engineering*, Japan Association for Wind Engineering, 89, 45-54.
43. Piccardo, G., Solari, G. (2002). 3-D gust effect factor for slender vertical structures, *Probabilistic Engineering Mechanics*, 17, 143-155.
44. Carassale, L., Solari, G. (2002). Wind modes for structural dynamics: a continuous approach. *Probabilistic Engineering Mechanics*, 17, 157-166.
45. Pagnini, L.C., Solari, G. (2002). Gust buffeting and turbulence uncertainties, *Journal of Wind Engineering and Industrial Aerodynamics*, 90, 441-459.
46. Solari, G., Repetto, M.P. (2002). General tendencies and classification of vertical structures under gust buffeting, *Journal of Wind Engineering and Industrial Aerodynamics*, 90, 1299-1319.
47. Solari, G. (2002). The role of analytical methods for evaluating the wind-induced response of structures, *Journal of Wind Engineering and Industrial Aerodynamics*, 90, 1453-1477.
48. Solari, G., Tubino, F. (2002). A turbulence model based on principal components. *Probabilistic Engineering Mechanics*, 17, 327-335.
49. Repetto, M.P., Solari, G. (2002). Dynamic crosswind fatigue of slender vertical structures, *Wind & Structures*, 5, 527-542.
50. Ricciardelli, F., De Grenet, E.T., Solari, G. (2002). Analysis of the wind loading of a bridge deck box section using Proper Orthogonal Decomposition, *Fluid Mechanics Research*, 29, 312-322.
51. Solari, G. (2002). Integrated procedures in wind engineering. *Fluid Mechanics Research*, 29, 323-328.
52. Lungu, D., Solari, G., Bartoli, G., Righi, M., Vacareanu, R., Villa, A. (2002). Reliability under wind loads of the Brancusi Endless Column, Romania, *Fluid Mechanics Research*, 29, 329-335.
53. Schmidt, S., Solari, G. (2003). 3-D wind-induced effects on bridges during balanced cantilever erection stages. *Wind & Structures*, 6, 1-22.

54. Tubino, F., Carassale, L., Solari, G. (2003). Seismic response of multi-supported structures by proper orthogonal decomposition. *Earthquake Engineering and Structural Dynamics*, 32, 1639-1654.
55. Castino, F., Rusca, L., Solari, G. (2003). Wind climate micro-zoning: A pilot application to Liguria Region (North-Western Italy), *Journal of Wind Engineering and Industrial Aerodynamics*, 91, 1353-1375.
56. Repetto, M.P., Solari, G. (2004). Equivalent static wind actions on vertical structures, *Journal of Wind Engineering and Industrial Aerodynamics*, 92, 335-357.
57. Repetto, M.P., Solari, G. (2004). Directional wind-induced fatigue of slender vertical structures, *Journal of Structural Engineering*, ASCE, 130, 7, 1032-1040.
58. Tamura, Y., Kareem, A., Solari, G., Kwok, K.C.S., Holmes, J.D., Melbourne, W.H. (2005). Aspects of the dynamic wind-induced response of structures and codification, *Wind & Structures*, 8, 4, 251-268.
59. Tubino, F., Solari, G. (2005). Double POD for representing and simulating turbulence fields, *Journal of Engineering Mechanics*, ASCE, 131, 12, 1302-1312.
60. Carassale, L., Solari, G. (2006). Monte Carlo simulation of wind velocity fields on complex structures, *Journal of Wind Engineering and Industrial Aerodynamics*, 94, 323-339.
61. Repetto, M.P., Solari, G. (2006). Bimodal alongwind fatigue of structures, *Journal of Structural Engineering*, ASCE, 132, 6, 899-908.
62. Solari, G., Carassale, L., Tubino, F. (2007). Proper Orthogonal Decomposition in wind engineering. Part 1: A state-of-the-art and some prospects, *Wind & Structures*, 10, 153-176.
63. Carassale, L., Solari, G., Tubino, F. (2007). Proper Orthogonal Decomposition in wind engineering. Part 2: Theoretical aspects and some applications, *Wind & Structures*, 10, 177-208.
64. Solari, G. (2007). The International Association for Wind Engineering (IAWE): Progress and prospect, *Journal of Wind Engineering and Industrial Aerodynamics*, 95, 813-842.
65. Repetto, M.P., Solari, G. (2007). Wind-induced fatigue of structures under neutral and non-neutral atmospheric conditions, *Journal of Wind Engineering and Industrial Aerodynamics*, 95, 1364-1383.
66. Tubino, F., Solari, G. (2007). Gust buffeting of long span bridges: Double Modal Transformation and effective turbulence, *Engineering Structures*, 29, 1698-1707.
67. Burlando, M., Carassale, L., Georgieva, E., Ratto, C.F., Solari, G. (2007). A simple and efficient procedure for the numerical simulation of wind fields in complex terrain, *Boundary Layer Meteorology*, 125, 417-439.
68. Solari, G., Cheung, J., Isyumov, N., Kareem, A., Stathopoulos, T., Surry, D., Tamura, Y. (2008). The Davenport Medal: A tribute from the International Association for Wind Engineering to Alan Garnett Davenport, *Journal of Wind Engineering and Industrial Aerodynamics*, 96(5), 459-470.
69. Repetto, M.P., Solari, G. (2009). Closed form solution of the alongwind-induced fatigue damage of structures. *Engineering Structures*, 31, 2414-2425.
70. Burlando, M., Freda, A., Ratto, C.F., Solari, G. (2010). A pilot study of the wind speed along the Rome-Naples HS/HC railway line. Part 1 – Numerical modelling and wind simulations. *Journal of Wind Engineering and Industrial Aerodynamics*, 98, 392-403.
71. Freda, A., Solari, G. (2010). A pilot study of the wind speed along the Rome-Naples HS/HC railway line. Part 2 – Probabilistic analyses and methodology assessment. *Journal of Wind Engineering and Industrial Aerodynamics*, 98, 404-416.
72. Torrielli, A., Tubino, F., Solari, G. (2010). Effective wind actions on ideal and real structures. *Journal of Wind Engineering and Industrial Aerodynamics*, 98, 417-428.

73. Repetto, M.P., Solari, G. (2010). Wind-induced fatigue collapse of real slender structures. *Engineering Structures*, 32, 3888-3898.
74. Torrielli, A., Repetto, M.P., Solari, G. (2011). Long-term simulation of the mean wind speed, *Journal of Wind Engineering and Industrial Aerodynamics*, 99, 1139-1150.
75. Repetto, M.P., Solari, G. (2012). Closed form prediction of the alongwind-induced fatigue of structures. *Journal of Structural Engineering, ASCE*, 138(9), 1149-1160.
76. Solari, G., Repetto, M.P., Burlando, M., De Gaetano, P., Pizzo, M., Tizzi, M., Parodi, M. (2012). The wind forecast for safety and management of port areas, *Journal of Wind Engineering and Industrial Aerodynamics*, 104-106, 266-277.
77. Torrielli, A., Repetto, M.P., Solari, G. (2013). Extreme wind speeds from long-term synthetic records, *Journal of Wind Engineering and Industrial Aerodynamics*, 115, 22-38.
78. Solari, G. (2013). Brâncuși Endless Column: A masterpiece of art and engineering, *International Journal of High-Rise Buildings*, 2(3), 193-212.
79. Burlando, M., De Gaetano, P., Pizzo, M., Repetto, M.P., Solari, G., Tizzi, M. (2013). Wind climate analysis in complex terrain. *Journal of Wind Engineering and Industrial Aerodynamics*, 123, 349-362.
80. De Gaetano, P., Repetto, M.P., Repetto, T., Solari, G. (2014). Separation and classification of extreme wind events from anemometric records, *Journal of Wind Engineering and Industrial Aerodynamics*, 126, 132-143.
81. Solari, G. (2014). Steenbergen, R.D.J.M., Vrouwenvelder, A.C.W.M., Geurts, C.P.W., 2012. The use of Eurocode EN 1991-1-4 procedures 1 and 2 for building dynamics, a comparative study. Journal of Wind Engineering and Industrial Aerodynamics, 107-108, 299-306, Discussion contribution, *Journal of Wind Engineering and Industrial Aerodynamics*, 129, 103-106.
82. Torrielli, A., Repetto, M.P., Solari, G. (2014). A refined analysis and simulation of the wind speed macro-meteorological components. *Journal of Wind Engineering and Industrial Aerodynamics*, 132, 54-65.
83. Solari, G. (2014). Emerging issues and new frameworks for wind loading on structures in mixed climates. *Wind and Structures*, 19(3), 295-320.
84. Burlando, M., Pizzo, M., Repetto, M.P., Solari, G., De Gaetano, P., Tizzi, M. (2014). Short-term wind forecasting for the safety management of complex areas during hazardous wind events. *Journal of Wind Engineering and Industrial Aerodynamics*, 135, 170-181.
85. Solari, G. (2014). Thunderstorm monitoring, modeling, loading and response of structures, *Journal of Wind Engineering*, Japan Association for Wind Engineering, 39(4), 344-346.
86. Nguyen, C.H., Freda, A., Solari, G., Tubino, F. (2015). Aeroelastic stability and wind-excited response of complex lighting poles and antenna masts, *Engineering Structures*, 85, 264-276.
87. Nguyen, C.H., Freda, A., Solari, G., Tubino, F. (2015). Experimental investigation of the aeroelastic behavior of a complex prismatic element, *Wind and Structures*, 20(5), 683-699.
88. Solari, G., Burlando, M., De Gaetano, P., Repetto, M.P. (2015). Characteristics of thunderstorms relevant to the wind loading of structures, *Wind and Structures*, 20(6), 763-791.
89. Solari, G., De Gaetano, P., Repetto, M.P. (2015). Thunderstorm response spectrum: fundamentals and case study, *Journal of Wind Engineering and Industrial Aerodynamics*, 143, 62-77.
90. Solari, G. (2016). Thunderstorm response spectrum technique: theory and applications. *Engineering Structures*, 108, 28-46.

91. Pagnini, L.C., Solari, G. (2016). Joint modelling of the parent population and extreme value distributions of the mean wind velocity, *Journal of Structural Engineering*, ASCE, 142(2), 04015138:1-10.
92. Calotescu, P.I., Solari, G. (2016). Alongwind load effects on free-standing lattice towers, *Journal of Wind Engineering and Industrial Aerodynamics*, 155, 182-196.
93. Torrielli, A., Repetto, M.P., Solari, G. (2016). The annual rate of independent events for the analysis of the extreme wind speed. *Journal of Wind Engineering and Industrial Aerodynamics*, 156,104-114.
94. Torrielli, A., Repetto, M.P., Solari, G. (2017). Response to the Discussion on "The annual rate of independent events for the analysis of the extreme wind speed, by Ian Harris". *Journal of Wind Engineering and Industrial Aerodynamics*, 164, 179-181.
95. Burlando, M., Tizzi, M., Solari, G. (2017). Characteristics of downslope winds in the Liguria Region. *Wind and Structures*, 24, 613-635.
96. Solari, G. (2017). Interactive comment on "Statistical characteristics of convective wind gusts in Germany" by Susanna Mohr et al. *Nat. Hazards Earth Syst. Sci.*, Discussions, C1-C5, doi:10.5194/nhess-2016-402-RC1.
97. Repetto, M.P., Burlando, M., Solari, G., De Gaetano, P., Pizzo, M. (2017). Integrated tools for improving the resilience of seaports under extreme wind events. *Sustainable Cities and Society*, 32, 277-294.
98. Burlando, M., Romanic, D., Solari, G., Hangan, H., Zhang, S. (2017). Field data analysis and weather scenario of a downburst event in Livorno, Italy on 1 October 2012. *Monthly Weather Review*, 145, 3507-3527 (DOI: 10.1175/MWR-D-17-0018.1).
99. Solari, G. (2017). Wind loading of structures: framework, phenomena, tools and codification. *Structures*, 12, 265-285 (https://doi.org/10.1016/j.istruc.2017.09.008).
100. Solari, G., Rainisio, D., De Gaetano, P. (2017). Hybrid simulation of thunderstorm outflows and wind-excited response of structures. *Meccanica*, 52(13), 3197–3220 (DOI: 10.1007/s11012-017-0718-x).
101. Solari, G. (2018). Gust buffeting of slender structures and structural elements: simplified formulas for design calculations and code provisions. *Journal of Structural Engineering*, ASCE, 144(2): 04017185, DOI: 10.1061/(ASCE)ST.1943-541X.0001949.
102. Li, B., Yang, Q., Solari, G., Wu, D. (2018). Investigation of the wind load on 1000m-high super tall buildings based on HFFB tests. *Structural Control and Health Monitoring*, 28(2), 1-23, DOI: 10.1002/stc.2068.
103. Repetto, M.P., Burlando, M., Solari, G., De Gaetano, P., Pizzo, M., Tizzi, M. (2018). A web-based GIS platform for the safe management and risk assessment of complex structural and infrastructural systems exposed to wind. *Advances in Engineering Software*, 117, 29-45, DOI: 10.1016/j.advengsoft.2017.03.002.
104. Torrielli, A., Repetto, M.P., Solari, G. (2018). Response to the Further Discussion on "The annual rate of independent events for the analysis of the extreme wind speed, by Nicholas J. Cook". *Journal of Wind Engineering and Industrial Aerodynamics*, 174, 464–465, https://doi.org/10.1016/ j.jweia.2017.08.016.
105. Zhang, S., Solari, G., Yang, Q., Repetto, M.P. (2018). Extreme wind speed distribution in a mixed wind climate. *Journal of Wind Engineering and Industrial Aerodynamics*, 176, 239-253, https://doi.org/10.1016/j.jweia.2018.03.019.
106. Zhang, S., Solari, G., De Gaetano, P., Burlando, M., Repetto, M.P. (2018). A refined analysis of thunderstorm outflow characteristics relevant to the wind loading of structures. *Probabilistic Engineering Mechanics*, 54, 9-24, DOI: 10.1016/j.probengmech. 2017.06.003.

107. Piccardo, G., Poggi, S., Solari, G. (2018). Some critical issues on the distribution of the maximum value of the wind-excited response of structures. *Probabilistic Engineering Mechanics*, 54, 65-81, DOI: 10.1016/j.probengmech.2017.07.003.
108. Ballio, F., Ballio, G., Franzetti, S., Crotti, G., Solari, G. (2018). Actions monitoring as an alternative to structural rehabilitation: case study of a river bridge. *Structural Control and Health Monitoring*, e2250. https://doi.org/10.1002/stc.2250.
109. Burlando, M., Zhang, S., Solari, G. (2018). Monitoring, cataloguing and weather scenarios of thunderstorm-induced intense wind events. *Natural Hazards and Earth System Sciences*, 18, 2309–2330, https://doi.org/10.5194/nhess-18-2309-2018.
110. Solari, G., De Gaetano, P. (2018). Dynamic response of structures to thunderstorm outflows: response spectrum technique vs time-domain analysis. *Engineering Structures*, 176, 188-207, https://doi.org/10.1016/j.engstruct.2018.08.062.
111. Zhang, S., Solari, G., Burlando, M., Yang, Q. (2019). Directional decomposition and analysis of thunderstorm outflows. *Journal of Wind Engineering and Industrial Aerodynamics*, 189, 71-90, https://doi.org/10.1016/j.jweia.2019.03.014.
112. Huang, G., Jiang, Y., Peng, L., Solari, G., Liao, H., Li, M. (2019). Characteristics of intense wind in mountain area based on field measurement. *Journal of Wind Engineering and Industrial Aerodynamics*, 190, 166–182, https://doi.org/10.1016/j.jweia.2019.04.020.
113. Brusco, S., Lerzo, V., Solari, G. (2019). Directional response of structures to thunderstorm outflows. *Meccanica*, 54, 1281–1306, https://doi.org/10.1007/s11012-019-00986-5.
114. Zhang, S., Yang, Q., Solari, G., Li, B., Huang, G. (2019). Characteristics of thunderstorm outflows in Beijing urban area. *Journal of Wind Engineering and Industrial Aerodynamics*, 195, 104011, https://doi.org/10.1016/j.jweia.2019.104011.
115. Romanic, D., Nicolini, E., Hangan, H., Burlando, M., Solari, G. (2020). A novel approach to scaling experimentally produced downburst like impinging jet outflows. *Journal of Wind Engineering and Industrial Aerodynamics*, 196, 104025, https://doi.org/10.1016/j.jweia.2019.104025.
116. Pagnini, L.C., Piccardo, G., Solari, G. (2020). VIV regimes and simplified solutions by the spectral model description. *Journal of Wind Engineering and Industrial Aerodynamics*, 198, 104100, https://doi.org/10.1016/j.jweia.2020.104100.
117. Solari, G., Burlando, M., Repetto, M.P. (2020). Detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures. *Journal of Wind Engineering and Industrial Aerodynamics*, 200, 104142, https://doi.org/10.1016/j.jweia. 2020.104142.
118. Solari, G. (2020). Thunderstorm downburst and wind loading of structures: progress and prospect. *Frontiers in Built Environment*, 6, 63, 1-24, https://doi: 10.3389/fbuil.2020.00063.
119. Tubino, F., Solari, G. (2020). Time varying mean extraction for stationary and nonstationary winds. *Journal of Wind Engineering and Industrial Aerodynamics*, 203, 104187, https://doi.org/10.1016/j.jweia.2020.104187.
120. Roncallo, L., Solari, G. (2020). An evolutionary power spectral density model of thunderstorm outflows consistent with real-scale time-history records. *Journal of Wind Engineering and Industrial Aerodynamics*, 203, 104204, https://doi.org/10.1016/j.jweia.2020.104204.
121. Solari, G. (2020). Education and dissemination in wind science and engineering. *Journal of Wind Engineering and Industrial Aerodynamics*, 203, 104241, https://doi.org/10.1016/j.jweia.2020.104241.

122. Solari, G., Martin, P. (2020). Gust buffeting and aerodynamic admittance of structures with arbitrary mode shapes. I: Enhanced equivalent spectrum technique. *Journal of Engineering Mechanics*, ASCE, under re-review.
123. Solari, G., Martin, P. (2020). Gust buffeting and aerodynamic admittance of structures with arbitrary mode shapes. II: A POD-based interpretation. *Journal of Engineering Mechanics*, ASCE, under re-review.
124. Canepa, F., Burlando, M., Solari, G. (2020). Vertical profile characteristics of thunderstorm outflows. *Journal of Wind Engineering and Industrial Aerodynamics*, in re-review.
125. Xhelaj, A., Burlando, M., Solari, G. (2020). An advanced analytical model for simulating thunderstorm outflows. *Journal of Wind Engineering and Industrial Aerodynamics*, under re-review.
126. Romanic, D., Ballestracci, A., Canepa, F., Solari, G., Hangan, H. (2020). Pressure distribution and aerodynamic coefficients on two generic circular cylinders with free end immersed in experimentally produced downburst-like outflows. *Advances in Structural Engineering*, under re-review.
127. Pizzo, M., Burlando, M., Solari, G., Repetto, M.P. (2020). The role of complex topography and altitude above sea level on the design wind speed. Under submission.
128. Zhang, S., Li, B., Solari, G., Zhang, X., Xu, X. (2020). A refined study of atmospheric wind properties in the beijing urban area based on the 325 m meteorological tower. *Journal of Wind Engineering and Industrial Aerodynamics*, submitted.

Papers in Peer Reviewed Italian Journals

1. Solari, G. (1984). Numerical analysis for determining the alongwind response of structures, *Costruzioni Metalliche*, n. 3, 3-19.
2. Solari, G. (1984). Analytical methods for determining the alongwind response of structures, *Costruzioni Metalliche*, n. 3, 1-16.
3. Solari, G., Stura, D. (1985). The determination of the dynamic response to wind of the roof of the stand at the G. Carlini stadium in Genoa, *Costruzioni Metalliche*, n. 2, 3, 3-47.
4. Corsanego, A., Solari, G. (1986). Concetti generali per la progettazione di edifici a struttura di acciaio in zona sismica, *Acciaio*, n. 3, 108-115.
5. Solari, G. (1987). Azioni ed effetti del vento sulle costruzioni, *Costruzioni Metalliche*, n. 6, 359-362.
6. Ballio, G., Lagomarsino, S., Piccardo, G., Solari, G. (1991). A first step towards a map of Italian extreme wind. Part 1: General principles and analysis methodology, *Costruzioni Metalliche*, n. 3, 147-172.
7. Ballio, G., Lagomarsino, S., Piccardo, G., Solari, G. (1991). A first step towards a map of Italian extreme wind. Part 2: Results, ripercussion on standards, design implications, *Costruzioni Metalliche*, n. 4, 209-242.
8. Ballio, G., Solari, G. (1992). The Park Tower in Milan: A steel structure of 1933 in the light of past and present knowledge, *Costruzioni Metalliche*, n. 3, 4, 141-164, 211-233.
9. Ballio, G., Lagomarsino, S., Piccardo, G., Solari, G. (1994). La nuova mappa dei venti estremi italiani, *Giornale del Genio Civile*, n. 7,8,9, 147-181.
10. Lagomarsino, S., Solari, G. (1995). The wind-induced dynamic behaviour of the South-Milan Telecommunication Tower, *Studi e Ricerche*, Scuola di Specializzazione in Costruzioni in c.a. Fratelli Pesenti, Politecnico di Milano, 16, 231-266.
11. Ratto, C., Siccardi, F., Solari, G. (1995). Il Centro Meteo-Idrologico della Regione Liguria: Una collaborazione fra Regione Liguria e Università di Genova, *AER*, n. 11, 33-36.

12. Solari, G., Pagnini, L.C. (1998). The actions and effects of wind on poles and monotubular structures, *Costruzioni Metalliche*, n. 4, 29-51.
13. Pagnini, L.C., Lagomarsino, S., Solari, G. (1999). Experimental assessment of the damping of steel poles and monotubular towers, *Costruzioni Metalliche*, n. 1, 39-51.
14. Dafarra, D., Micucci, P., Dassori, E., Solari, G. (2001). Le azioni e gli effetti del vento nell'evoluzione degli edifici alti, *Costruzioni Metalliche*, n. 3, 29-36.
15. Solari, G. (2008). In memoria di Alfredo Corsanego, *Ingegneria Sismica*, n. 3, 5.
16. Solari, G. (2009). Forma e aerodinamica nell'evoluzione strutturale e architettonica dei grattacieli. Parte I: L'esperienza del passato. *Costruzioni Metalliche*, n. 4, 51-62.
17. Solari, G. (2009). Forma e aerodinamica nell'evoluzione strutturale e architettonica dei grattacieli. Parte II: Tendenze attuali e prospettive future. *Costruzioni Metalliche*, n. 5, 75-87.
18. Solari, G. (2013). La Colonna Senza Fine di Constantin Brâncuşi. Parte I: Concezione, realizzazione e restauro, *Costruzioni Metalliche*, n. 5, 36-48.
19. Solari, G. (2013). La Colonna Senza Fine di Constantin Brâncuşi. Parte II: Aerodinamica e perfezione, *Costruzioni Metalliche*, n. 6, 41-54.
20. Solari, G., Repetto, M.P. (2014). Il comportamento delle strutture metalliche saldate nei confronti dell'azione del vento. *Rivista Italiana della Saldatura*, 66(5), 851-859.
21. Solari, G. (2016). Aerodynamic loading and dynamic response of structures in mixed climates. *Meccanica dei Materiali e delle Strutture*, VI(1), 1-8, ISSN: 2035-679X (Keynote Opening Lecture, 2016 Stochastic Mechanics & Meccanica Stocastica Conference, Capri).
22. Piccardo, G., Poggi, S., Solari, G. (2016). The distribution of the maximum wind-induced response of structures, *Meccanica dei Materiali e delle Strutture*, VI(1), 155-162, ISSN: 2035-679X.

Chapters of International Books

1. Solari, G. (1994). Gust-excited vibrations, in *Wind-excited vibrations of structures*, H. Sockel Editor, Springer Verlag, Wien, New York, 195-291.
2. Solari, G. (1996). Wind speed statistics, in *Modelling of the Atmospheric Flow Fields*, D.P. Lalas and C.F. Ratto Editors, World Scientific Publishing, Singapore, 637-657.
3. Solari, G. (1996). Statistical analysis of extreme wind speeds, in *Modelling of the Atmospheric Flow Fields*, D.P. Lalas and C.F. Ratto Eds, World Scientific Publishing, Singapore, 659-678.
4. Solari, G., Piccardo, G., Pagnini, L.C., Carassale, L., Repetto, M.P., Tubino, F. (2003). Analytical methods for estimating the gust-excited response of cantilever vertical structures, in *Recent research developments in structural dynamics*, A. Luongo Ed., Transworld Research Network Publish, Kerala, India, 255-284.
5. Solari, G., Tubino, F. (2007). Dynamic approach to the wind loading of structures: Alongwind, crosswind and torsional response, in "Wind effects on buildings and design of wind-sensitive structures", Stathopoulos, T., Baniotopoulos, L., Eds, Springer Verlag, Wien, New York.
6. Kwon, D.K., Solari, G., Kareem, A. (2020). Structural response to non-stationary thunderstorm outflows, Chapter 4.3, in OUP/RR Handbook "Non-synoptic storms and their implication to wind hazards", Hangan, H., Kareem, A., Eds., Oxford University Press.
7. Kwon, D.K., Kareem, A., Solari, G. (2020). Towards the codification of thunderstorm / downburst winds, Chapter 7.3, in OUP/RR Handbook "Non-synoptic storms and their implication to wind hazards", Hangan, H., Kareem, A., Eds., Oxford University Press.

Chapters of Italian Books

1. Solari, G. (1986). Strutture in acciaio e abbattimento della vulnerabilità sismica. Parte II: Criteri progettuali, Monografia 8 della ricerca *Il comportamento delle strutture portanti di acciaio alle azioni sismiche*, Nuova Italsider, Comunità Europea, Genova.
2. Maberini, F., Piccardo, G., Solari, G. (1992). Il rischio sismico locale, in *Problemi strutturali nell'ingegneria sismica*, Flaccovio, Palermo.
3. Solari, G. (1996). I ponti e il vento nel corso dei secoli, in *Realtà e prospettive della costruzione metallica nell'architettura, nelle infrastrutture e negli impianti industriali*, ACS-ACAI Servizi.
4. Solari, G. (2011). Forma e aerodinamica nell'evoluzione strutturale e architettonica dei grattacieli, Atti dell'Accademia Ligure di Scienze e Lettere, Serie VI, Volume XII, 2009-2010, Genova, 205-240.
5. Solari, G. (2018). Arte, ingegneria e perfezione: La Colonna Senza Fine di Constantin Brâncuşi, Atti dell'Accademia Ligure di Scienze e Lettere, Serie VI, Volume XVI, 2016, Genova, 39-59.

Papers in Proceedings of International Conferences

1. Solari, G., Stura, D. (1979). Effects of soil-structure interaction on the dynamic alongwind response of structures, *Proceedings, International Conference on Environmental Forces on Engineering Structures,* London, U.K.
2. Solari, G., Stura, D. (1979). Dynamic alongwind response of a structural system including soil flexibility, *Proceedings, 5th International Confeence on Wind Engineering*, Fort Collins, Colorado.
3. Del Grosso A., Solari G., Stura D. (1980). Heavy building-tall building interaction under wind and earthquake effects, *Proceedings, International Conference on Engineering for Protection from Natural Disasters*, Bangkok.
4. Solari, G., Stura, D., Vardanega, C. (1980). On the accuracy of numerical models in 3-D soil-structure interaction, *Proceedings, 7th World Conference on Earthquake Engineering*, Istanbul.
5. Corsanego, A., Del Grosso, A., Solari, G., Stura, D. (1980). Dynamic response of chimneys interacting with soil, *Final Report, 11th Congress of the International Association for Bridge and Structural Engineering*, Wien.
6. Del Grosso, A., Solari, G., Stura, D. (1981). Approximate 3D structure-soil-structure interaction parametric analysis for seismic design of nuclear power plants, *Transactions, 6th International Conference on Structural Mechanics in Reactor Tecnology*, Paris.
7. Solari, G. (1982). Design wind loads, *Proceedings, 5th Colloquium on Industrial Aerodynamics*, Aachen.
8. Solari, G. (1983). Analytical estimation of the alongwind response of structures, *Proceedings, 6th International Conference on Wind Engineering*, Gold Coast & Auckland.
9. Corsanego, A., Del Grosso, A., Solari, G., Stura, D. (1983). On the simulation of infinite regions in seismic soil-structure interaction models, *Transactions, 7th International Conference on Structural Mechanics in Reactor Technology*, Chicago.
10. Corsanego A., Del Grosso A., Solari G., Stura D. (1984). Some considerations about site effects during the Irpinia Earthquake of November 23, 1980, *Proceedings, 8th World Conference on Earthquake Engineering*, San Francisco.

11. Solari, G., Spinelli, P. (1984). Time-domain analysis of tall buildings response to wind action, *Proceedings, 3rd International Conference on Tall Buildings*, Hong Kong & Guangzhou.
12. Solari, G. (1985). 3-D response of buildings to wind action, *Proceedings, 6th Colloquium on Industrial Aerodynamics*, Aachen.
13. Carpaneto, R., Del Grosso, A., Lagomarsino, S., Solari, G. (1985). Approximate formulas to evaluate non-linear soil amplification, *Transactions, 8th International Conference on Structural Mechanics in Reactor Technology*, Brussels.
14. Solari, G. (1985). An alternative procedure for calculating the dynamic alongwind response of structures, *Proceedings, 5th US National Conference on Wind Engineering*, Lubbock.
15. Ballio, G., Solari, G. (1987). The new italian recommendations for wind loads on structures: basic assumptions and critical considerations, *Proceedings, 7th International Conference on Wind Engineering*, Aachen.
16. Solari, G. (1987). Dynamic alongwind response of structures by response spectrum technique, *Proceedings, NSF/WERC Wind Engineering Symposium on High Winds and Building Codes*, Kansas City.
17. Lagomarsino, S., Solari, G., Stura, D. (1988). The role of uncertainties in the evaluation of local seismic risk, *Proceedings, 9th World Conference on Earthquake Engineering*, Tokyo & Kyoto.
18. Solari, G. (1989). A generalized definition of gust factor, *Proceedings, 6th U.S. National Conference on Wind Engineering*, Houston.
19. Lagomarsino, S., Piccardo, G., Solari, G. (1991). Statistical analysis of high return period wind speeds, *Proceedings, 8th International Conference on Wind Engineering*, London, Ontario.
20. Ballio, G., Maberini, F., Solari, G. (1991). A 60 years old, 100 m high steel tower: limit states under wind actions, *Proceedings, 8th International Conference on Wind Engineering*, London, Ontario.
21. Solari, G. (1993). Towards a global model for calculating 3-D equivalent static wind forces on structures, *Proceedings, 7th United States National Wind Engineering Conference*, Los Angeles.
22. Piccardo, G., Solari, G. (1994). A refined model for calculating 3-D equivalent static wind forces on structures, *Proceedings, East European Conference on Wind Engineering*, Warsaw.
23. Lagomarsino, S., Pagnini, L.C., Solari, G. (1995). Dynamic alongwind response of base-isolated buildings, *Proceedings, 9th International Conference on Wind Engineering*, New Delhi.
24. Piccardo, G., Solari, G. (1995). Mathematical solution of 3-D response of slender structures to wind action, *Proceedings, 9th International Conference on Wind Engineering*, New Delhi.
25. Solari, G. (1995). Evaluation and role of damping and periods for the calculation of structural response under wind loads, *Proceedings, IWEF Meeting on Structural Damping*, Atsugi, Japan.
26. Pagnini, L.C., Solari, G. (1996). The seismic response of bridges with aseismic devices by the equivalent linearization technique, *Proceedings, 1st European Conference on Structural Control*, Barcelona.
27. Piccardo, G., Solari, G. (1996). Equivalent wind loading spectrum technique, *Proceedings, 3rd European Conference on Structural Dynamics*, Florence.
28. Solari, G., Kareem, A. (1997). On the formulation of ASCE7-95 gust effect factor, *Pro-*

ceedings, 8th U.S. National Wind Engineering Conference, Baltimore.
29. Ballio, G., Lagomarsino, S., Piccardo, G., Solari, G. (1997). The new Italian map of extreme wind speeds, *Proceedings, 2nd European and African Conference on Wind Engineering*, Genoa, Italy.
30. Pagnini, L.C., Solari, G. (1997). Serviceability criteria for wind-induced acceleration and damping uncertainties, *Proceedings, 2nd European and African Conference on Wind Engineering*, Genoa, Italy.
31. Piccardo, G., Solari, G. (1997). Closed form prediction of 3-D wind-excited response of slender structures, *Proceedings, 2nd European and African Conference on Wind Engineering*, Genoa, Italy.
32. Schettini, E., Solari, G. (1997). Probabilistic modelling of maximum wind pressure on structures, *Proceedings, 2nd European and African Conference on Wind Engineering*, Genoa, Italy.
33. Pagnini, L.C., Solari, G. (1998). Probabilistic damping modeling and building reliability under wind loads, *Proceedings, Structural Engineers World Conference*, San Francisco.
34. Pagnini, L.C., Solari, G. (1998). Wind actions and effects on steel poles and monotubolar towers, *Proceedings, 2nd East-European Conference on Wind Engineering*, Prague.
35. Carassale, L., Piccardo, G., Solari, G. (1998). Wind response of structures by double modal transformation, *Proceedings, 2nd East-European Conference on Wind Engineering*, Prague.
36. Solari, G. (1998). The wind-excited behaviour of steel poles and light towers, *Proceedings, International Colloquium on Lightweight structures in Civil Engineering*, Warszaw.
37. Carassale, L., Piccardo, G., Solari, G. (1999). Double modal transformation in continuous modeling, *Proceedings, 10th International Conference on Wind Engineering*, Copenhagen.
38. Pagnini, L.C., Solari, G. (1999). Damping of poles and monotubular towers under wind actions, *Proceedings, 10th International Conference on Wind Engineering*, Copenhagen.
39. Solari, G. (1999). Classic methods, new tools and advances in modal analysis, *Proceedings, 1st International Conference on Structural Engineering and Mechanics*, Seoul, Korea.
40. Solari, G. (1999). Progress and prospects in gust-excited vibrations of structures, *Proceedings, 3rd International Conference on Engineering Aero-Hydroelasticity*, Prague, Czech Republic.
41. Solari, G. (2000). Gust-excited response of vertical structures: developments and some perspectives, *Proceedings, 1st International Symposium on Wind and Structures for the 21st Century*, Cheju, Korea.
42. Repetto, M.P., Solari, G. (2000). Crosswind response induced fatigue of slender structures, C.D. *Proceedings, 8th ASCE Speciality Conference on Probabilistic Mechanics and Structural Reliability*, Notre Dame, Illinois.
43. Carassale, L., Solari, G. (2000). Proper orthogonal decomposition of multivariate loading processes, C.D. *Proceedings, 8th ASCE Speciality Conference on Probabilistic Mechanics and Structural Reliability*, Notre Dame, Illinois.
44. Pagnini, L.C., Solari, G. (2000). Turbulence uncertainty propagation over the wind-excited response of structures, C.D. *Proceedings, 8th ASCE Speciality Conference on Probabilistic Mechanics and Structural Reliability*, Notre Dame, Illinois.
45. Pagnini, L.C., Piccardo, G., Solari, G. (2000). Probabilistic turbulence modeling and uncertain gust buffeting, *Proceedings, 4th International Colloquium on Bluff Body Aerodynamics & Applications*, Bochum.
46. Piccardo, G., Solari, G. (2000). 3-D gust effects on slender vertical structures, *Proceedings, 4th International Colloquium on Bluff Body Aerodynamics & Applications*, Bochum.

47. Repetto, M.P., Solari, G. (2000). 3-D wind-excited fatigue of slender structures, *Proceedings, International Conference on Advances in Structural Dynamics*, Hong Kong.
48. Carassale, L., Tubino, F., Solari, G. (2000). Seismic response of multi-supported structures by proper orthogonal decomposition, *Proceedings, International Conference on Advances in Structural Dynamics*, Hong Kong.
49. Castino, F., Rusca, L., Solari, G. (2001). The Liguria Region wind map, *Proceedings, 3rd European & African Conference on Wind Engineering*, Eindhoven.
50. Repetto, M.P., Solari, G. (2001). An advanced model for estimating the wind-induced fatigue of slender structures, *Proceedings, 3rd European & African Conference on Wind Engineering*, Eindhoven.
51. Solari, G., Repetto, M.P. (2001). 3-D gust-excited effects on vertical structures, *Proceedings, 3rd European & African Conference on Wind Engineering*, Eindhoven.
52. Carassale, L., Solari, G., Tubino, F. (2001). Digital simulation of turbulence fields by proper orthogonal decomposition, *Proceedings 3rd European & African Conference on Wind Engineering*, Eindhoven.
53. Solari, G. (2001). Analytical methods for estimating the wind-induced response of structures, *Proceedings, 5th Asia-Pacific Conference on Wind Engineering*, Kyoto.
54. Solari, G. (2002). Integrated procedures in wind engineering, *Proc., 3rd East-European Conference on Wind Engineering*, Kiev.
55. Solari, G. (2002). Dynamic response and aeolic reliability of structures: Analytical methods and integrated procedures, *Proc., COST14*, Nantes.
56. Bartoli, G., Borri, C., Mirto, F., Solari, G. (2002). Some recent advances and developments in wind dynamics of large lightweight engineering facilities, *Proc., International IASS Symposium on Lightweight Structures in Civil Engineering* – Contemporary Problems, Warsaw.
57. Solari, G., Repetto, M.P. (2002). Equivalent static wind actions on structures, *Proc. AGD Conference*, London, Ontario, Canada.
58. Tubino, F., Solari, G. (2002). 3-D simulation of turbulence fields based on turbulence principal components, *Proc., AWAS'02*, Busan.
59. Solari, G., Lungu, D., Bartoli, G., Righi, M., Vacareanu, R., Villa, A.: Brancusi Endless Column, Romania (2002). dynamic response and reliability under wind loading, *Proc., AWAS'02*, Busan.
60. Schmidt, S., Solari, G. (2002). Wind-induced effects during balanced cantilever erection stages of bridges, *Proceedings, EURODYN*, Munich.
61. Tamura, Y., Kareem, A., Solari, G., Kwok, K., Holmes, J.D. (2003). Report by Working Group WGE - Dynamic response. *Proc., 11th International Conference on Wind Engineering*, Lubbock.
62. Tubino, F., Solari, G.: Principal representation of turbulence fields (2003). a double POD procedure. *Proc., 11th International Conference on Wind Engineering*, Lubbock.
63. Repetto, M.P., Solari, G. (2003). Wind-induced fatigue of slender vertical structures. *Proc., 11th International Conference on Wind Engineering*, Lubbock.
64. Carassale, L., Solari, G. (2003). Representation of the wind action on structures by proper orthogonal decomposition, *Proc., 2nd International Structural Engineering and Construction Conference*, Rome.
65. Solari, G. (2004). Dynamic alongwind response and equivalent static forces, *Proc., 2nd National Conference on Wind Engineering*, Nagpur, India.
66. Carassale, L., Hibi, K., Pagnini, L.C., Solari, G., Tamura, Y. (2004). POD analysis of the dynamic wind pressure on a tall building, *Proc., 5th International Colloquium on Bluff*

Body Aerodynamics & Applications, BBAA V, Ottawa.
67. Solari, G., Repetto, M.P. (2004). Wind-induced response and fatigue of structures, *Proc., The 1st Int. Symp. on Wind Effects on Buildings and Urban Environment*, Tokyo.
68. Solari, G. (2004). The International Association for Wind Engineering (IAWE): Past, present and future, *Proc., International Workshop on Wind Engineering & Science*, New Delhi.
69. Tubino, F., Solari, G. (2005). Closed form solution for the principal representation of turbulence fields, *C.D. Proc., 9th International Conference on Structural Safety and Reliability*, Roma.
70. Carassale, L., Solari, G. (2005). Monte Carlo simulation of wind velocity fields on complex structures, *C.D. Proc., 9th International Conference on Structural Safety and Reliability*, Roma.
71. Solari, G. (2005). International Association for Wind Engineering (IAWE): birth, development and perspectives, *C.D. Proc., 4th European & African Conference on Wind Engineering*, Prague.
72. Burlando, M., Carassale, L., Borghesi, M.V., Tubino, F., Ratto, C.F., Solari, G. (2005). Numerical simulation of turbulent wind fields at airports in complex terrain, *C.D. Proc., 4th European & African Conference on Wind Engineering*, Prague.
73. Repetto, M.P., Solari, G. (2005). Thermal atmospheric stratification and wind-induced fatigue of structures, *C.D. Proc., 4th European & African Conference on Wind Engineering*, Prague.
74. Solari, G., Tubino, F. (2005). Gust buffeting of long span bridges by Double Modal Transformation, *C.D. Proc., 4th European & African Conference on Wind Engineering* Prague.
75. Solari, G., Carassale, L., Tubino, F. (2005). POD methods and applications in wind engineering, *C.D. Proc., 6th Asia-Pacific Conference on Wind Engineering*, Seoul.
76. Repetto, M.P., Solari, G. (2005). Wind-induced fatigue damage: Bounds and bi-modal cycle counting, *C.D. Proc., 6th Asia-Pacific Conference on Wind Engineering*, Seoul.
77. Solari, G., Ratto, C.F., Buonanno, A., Testa, M., Freda, A., Burlando, M., Mancini, M. (2007). Probabilistic analysis of the wind speed along the Rome-Naples HS/HC railway line, *C.D. Proc., 12th International Conference on Wind Engineering*, Cairns, Australia.
78. Repetto, M.P., Solari, G. (2007). Wind-induced response of structures under non neutral atmospheric conditions, *C.D. Proc., 12th International Conference on Wind Engineering*, Cairns, Australia.
79. Torrielli, A., Tubino, F., Solari, G. (2007). Effective wind actions on structures, *C.D. Proc., 12th International Conference on Wind Engineering*, Cairns, Australia.
80. Solari, G. (2008). The Wind Engineering and Structural Dynamics Research Group at the University of Genoa: retrospective, current plans and some prospects, *Proc., The 3rd International Symposium on Wind Effects on Buildings and Urban Environment: New frontiers in wind engineering*, Tokyo, Japan.
81. Repetto, M.P., Solari, G. (2008). Diagnosis of fatigue collapses of slender structures due to aerodynamic wind actions, *Proc., 6th International Colloquium on Bluff Body Aerodynamics & Applications*, Milan, Italy.
82. Freda, A., Solari, G., Torrielli, A., Buonanno, A., Mancini, M., Testa, M. (2008). Comparison between field measurements and numerical simulations of the wind speed along the HS/HC Rome-Naples railway line, *Proc., 6th International Colloquium on Bluff Body Aerodynamics & Applications*, Milan, Italy.
83. Solari, G. (2008). Lessons from catastrophic events in the evolution of bridge and wind engineering, *Proc. International Conference on Urban habitat constructions under cata-*

strophic events, COST Action C26, Malta.

84. Diana, G., Burlando, M., Cheli, F., Freda, A., Ratto, C.F., Rocchi, G., Solari, G., Testa, M., Tomasini, G. (2008). A new methodology to perform the risk analysis of cross wind on high speed lines, *Proc., 8th World Congress on Railway Research* (WCRR 2008), Seoul, Korea.
85. Repetto, M.P., Solari, G. (2009). Alongwind-induced fatigue of structures: Closed form solution and engineering simplifications, *C.D. Proceedings, 11th Americas Conference on Wind Engineering*, Puerto Rico.
86. Solari, G., Bartoli, G., Gusella, V., Piccardo, G., Pistoletti, P., Ricciardelli, F., Vintani, A. (2009). The new CNR-DT 207/2008 guidelines on actions and effects of wind on structures, *C.D. Proceedings, 5th European-African Conference on Wind Engineering*, Firenze.
87. Freda, A., Carassale, L., Solari, G. (2009). A conditional model for the short-term probabilistic assessment of severe wind phenomena, *C.D. Proceedings, 5th European-African Conference on Wind Engineering*, Firenze.
88. Pagnini, L.C., Solari, G. (2009). Preliminary elements for an innovative wind map of Italy, *C.D. Proceedings, 5th European-African Conference on Wind Engineering*, Firenze.
89. Solari, G., Torrielli, A., Tubino, F. (2009). Double modal transformation and effective wind actions on structures, *Proceedings, International Symposium on Recent Advances in Mechanics, Dynamical Systems and Probability Theory, in honour of Prof. Mario Di Paola's 60th birthday*, 2007, Palermo.
90. Torrielli, A., Repetto, M.P., Solari, G. (2010). Simulation and analysis of long-period samples of mean wind velocity, *C.D. Proceedings, 5th International Symposium on Computational Wind Engineering*, Chapel Hill, North Carolina.
91. Solari, G., Repetto, M.P. (2011). Wind hazard in harbour areas. Proceedings, 5th International Symposium on Wind Effects on Buildings and Urban Environment: Wind hazard resilient cities: New challenges, Tokyo, Japan, 2011.
92. Carassale, L., Freda, A., Pitto, L., Repetto, M.P., Solari, G. (2011). The wind effect on the new Erzelli Technology District, *C.D. Proceedings, 13th International Conference on Wind Engineering*, Amsterdam.
93. Solari, G., Repetto, M.P., De Gaetano, P., Parodi, M., Pizzo, M., Tizzi, M. (2011). The wind forecast for safety management of port areas, *C.D. Proceedings, 13th International Conference on Wind Engineering*, Amsterdam.
94. Vintani, A., Spinelli, F., Tavecchio, C., Solari, G., Carassale, L. (2011). Lighter structures design and check of behaviour by testing. *C.D. Proceedings, 35th International Symposium on Bridge and Structural Engineering: Taller, Longer, Lighter*, London.
95. Repetto, M.P., Solari, G. (2011). The wind forecast for operating management and risk assessment of port areas. *Proceedings, 14th International Conference of the Maritime Association of the Mediterranean*, Genova.
96. Solari, G. (2011). Integrated procedures in science and wind engineering. *C.D. Proceedings, 5th International Conference on Advanced Computational Methods in Engineering*, Liège, Belgium (Abstract, Plenary Lecture).
97. Burlando, M., Tizzi, M., Navone S., Solari, G., Canepa G. (2012). The "wind and ports" project for wind energy assessment and forecast: the case of the Port of Genoa. *Proc., OWEMES-2012*, Rome Italy.
98. Carassale, L., Freda, A., Marré Brunenghi, M., M., Piccardo, G., Solari, G. (2012). Experimental investigation on the aerodynamic behavior of square cylinders with rounded corners, *Proceedings, 7th International Colloquium on Bluff Body Aerodynamics and Applications - BBAA VII*, Shanghai, Cina.

99. Carassale, L., Freda, A., Marré Brunenghi, M., Solari, G. (2012). Effects of terrain proximity on the aeroelastic response of a bridge deck, *Proceedings, 7th International Colloquium on Bluff Body Aerodynamics and Applications - BBAA VII*, Shanghai, Cina.
100. Nguyen, CH., Freda, A., Piccardo, G., Solari, G., Tubino, F. (2012). Aeroelastic behavior of complex lighting towers and antenna masts, *Proceedings, 7th International Colloquium on Bluff Body Aerodynamics and Applications - BBAA VII*, Shanghai, Cina.
101. Solari, G. (2013). Emerging issues and new scenarios for wind loading on structures. *Proceedings, 6th International Symposium on Wind Effects on Buildings and Structures: Current State-of-the-Art in Wind Engineering and Outlook for the Future*, Tokyo, Japan, 2013, 153-176.
102. Solari, G., De Gaetano, P., Repetto, M.P. (2013). Thunderstorm response spectrum, *Proceedings, 12th Americas Conference on Wind Engineering*, Seattle, Washington.
103. Burlando, M., Pizzo, M., Repetto, M.P., Solari, G. (2013). Design wind speed in complex terrain, *Proceedings, 12th Americas Conference on Wind Engineering*, Seattle, Washington.
104. Burlando, M., De Gaetano, P., Pizzo, M., Repetto, M.P., Solari, G., Tizzi, M. (2013). Wind short-term forecast in port areas, *Proceedings, 6th European and African Conference on Wind Engineering*, Cambridge, U.K..
105. De Gaetano, P., Repetto, M.P., Repetto, T., Solari, G. (2013). Separation and classification of extreme wind events from anemometric data, *Proceedings, 6th European and African Conference on Wind Engineering*, Cambridge, U.K..
106. De Gaetano, P., Solari, G. (2013). Thunderstorm wind velocity decomposition and moving average period, *Proceedings, 8th Asia-Pacific Conference on Wind Engineering*, Chennai, India.
107. Nguyen, C.H., Freda, A., Solari, G., Tubino, F. (2013). Wind-induced instability of complex lighting poles and antenna masts: static and aeroelastic experimental study, *Proceedings, 8th Asia-Pacific Conference on Wind Engineering*, Chennai, India.
108. Solari, G., De Gaetano, P., Repetto, M.P. (2013). Wind loading and response of structures in mixed climates, *Proceedings, 8th Asia-Pacific Conference on Wind Engineering*, Chennai, India.
109. Burlando, M., De Gaetano, P., Repetto, M.P., Solari, G. (2014). Wind and waves numerical forecasting for safety access to port areas: the "Wind, Ports, and Sea" project, *Proceedings, 6th International Symposium on Computational Wind Engineering*, Hamburg, Germany.
110. Burlando, M., Buzzi, A., Davolio, S., De Pedrini, L., Drofa, O., Ferrarin, C., Gallino, S., Mastrangelo, D., Pizzo, M., Solari, G., Tizzi, M., Trovatore, E., Umgiesser, G., Aaron, R. (2014). Wind, waves, and sea current forecasting for the sailing events at the London 2012 Olympic and Paralympic Games, *Proceedings, 6th International Symposium on Computational Wind Engineering*, Hamburg, Germany.
111. Solari, G. (2014). Thunderstorm loading and response of structures. *Proceedings, International Colloquium on Lightweight Structures in Civil Engineering*, Warsaw, Poland.
112. Iafolla, L., Fiorenza, E., Iafolla, V.A., Carmisciano, C., Montani, L., Burlando, M., De Gaetano, P., Solari, G. (2015). OS-IS: A new method for the sea waves monitoring. *Proceedings, Oceans'15 MTS/IEEE: Discovering sustainable ocean energy for a new world*, Genova, Italy.
113. Solari, G. (2015). Interactions between wind in the atmospheric boundary layer and man and his works on the surface of earth. *Proceedings, 5th International 100% Renewable Energy Conference, IRENEC 2015*, Istanbul, Turkey (Abstract, Keynote Lecture).
114. Solari, G., Burlando, M., De Gaetano, P., Repetto, M.P. (2015). Characteristics of thunder-

storms relevant to wind engineering. *Proceedings, 14th International Conference on Wind Engineering*, Porto Alegre, Brasil.

115. Burlando, M., De Gaetano, P., Pizzo, M., Repetto, M.P., Solari, G., Tizzi, M., Bonino, G. (2015). The European project "Wind, Ports and Sea". *Proceedings, 14th International Conference on Wind Engineering*, Porto Alegre, Brasil.
116. Solari, G., De Gaetano, P. (2015). Thunderstorm response of structures by response spectrum technique. *Proceedings, 14th International Conference on Wind Engineering*, Porto Alegre, Brasil.
117. Burlando, M., Tamura, T., Sakai, Y., Kawai, H., Solari, G. (2015). CFD wind flow simulation over complex terrain: the case study of Vado Ligure. *Proceedings, 14th International Conference on Wind Engineering*, Porto Alegre, Brasil.
118. Fagandini, R., Marzocchi, R., Cosso, T., Burlando, M., De Gaetano, P., Pizzo, M., Repetto, M.P., Tizzi, M., Solari, G. (2015). Publication of wind and wave monitoring and forecasting geospatial data using GFOSS: the "Wind, Ports and Sea" project. *Proceedings, 2nd FOSS4G-Europe Conference*, Como, Italy, 613-614 (Abstract).
119. Repetto M.P., Burlando, M., Solari, G., De Gaetano, P., Pizzo, M., Tizzi, M. (2015). Monitoring and forecast systems for risk assessment of structures and infrastructures exposed to wind. *Proceedings, 15th International Conference on Civil, Structural and Environmental Engineering Computing*, Prague, Czech Republic.
120. Bonino, G., Burlando, M., De Gaetano, P., Solari, G., Carmisciano, C., Iafolla, L. (2015). Sea state monitoring and simulation in the "Wind, Ports, and Sea" project. *Proceedings, 16th International Congress of the International Maritime Association of the Mediterranean*, IMAM 2015: Towards green marine technology and transport, Pula, Croatia.
121. Li, B., Yang, Q., Solari, G. (2016). Aerodynamic behavior of 1000m-high super tall buildings. *Proceedings, 8th International Colloquium on Bluff-Body Aerodynamics and Applications*, Boston, Massachusetts, USA.
122. Solari, G., Rainisio, D. (2016). Monte Carlo simulation of thunderstorm outflows and wind-excited response of structures. *Proceedings, 8th International Colloquium on Bluff-Body Aerodynamics and Applications*, Boston, Massachusetts, USA.
123. Calotescu, I., Solari, G. (2016). Wind-induced load effects on free-standing lattice towers. *Proceedings, 8th International Colloquium on Bluff-Body Aerodynamics and Applications*, Boston, Massachusetts, USA.
124. Repetto, M.P., Burlando, M., Solari, G., De Gaetano, P., Pizzo, M., Tizzi, M. (2016). An innovative approach to quantify and mitigate the risk of port infrastructures exposed to extreme wind conditions. *Proceedings, 1st International Conference on Natural Hazards and Infrastructure: Protection, Design, Rehabilitation*, Chania, Creta.
125. Zhang, S., Burlando, M., Repetto, M.P., Solari, G. (2016). Advances in properties of thunderstorm outflows relevant to the wind loading of structures, *Proceedings, International Symposium on Structural Engineering*, Beijing, China (Invited paper).
126. Piccardo, G., Poggi, S., Solari, G. (2016). The distribution of the maximum response of structures to synoptic wind actions, *Proceedings, International Symposium on Structural Engineering*, Beijing, China (Invited paper).
127. Solari, G. (2016). The role of wind loading in the design and safety of structures, *Proceedings, XXXVII Jornadas Sudamericanas de Ingenieria Estructural*, Asuncion, Paraguay (Invited Main Keynote Lecture).
128. Solari, G. (2017). Recent advances in thunderstorm downbursts: field measurements, weather survey, laboratory tests, numerical simulations and loading of structures, *Proceedings, International Workshop on Coupled numerical and experimental models in structural*

engineering, GRK 1462, Weimar, Germany (Invited General Lecture).

129. Calotescu, I., Freda, A., Solari, G., Torre, S. (2017). Investigation of alongwind and crosswind loads on freestanding lattice towers. *Proceedings, 7th European-African Conference on Wind Engineering*, Liege, Belgium.
130. Zhang, S., Solari, G., Yang, Q., Repetto, M.P. (2017). Statistical analysis of extreme wind speed in a mixed wind climate. *Proceedings, 7th European-African Conference on Wind Engineering*, Liege, Belgium.
131. Solari, G., De Gaetano, P. (2017). Dynamic response of structures to thunderstorm outflows: hybrid simulation analysis vs response spectrum technique. *Proceedings, 10th International Conference on Structural Dynamics*, EURODYN 2017, Rome, Italy (abstract).
132. Burlando, M., De Cio, A., Pizzo, M., Solari, G. (2017). Analysis of wind vertical profiles of thunderstorm events in the Mediterranean. *Proceedings 9th Asia-Pacific Conference on Wind Engineering Auckland*, New Zealand.
133. Repetto, M.P., Solari, G., Burlando, M., Freda, A. (2017). Wind comfort analysis in urban complex area: the example of the new Erzelli Technologic District. *Proceedings, International Conference on Urban Comfort and Environmental Quality*, URBANCEQ-2017, Genoa, Italy.
134. Solari, G., Burlando, M., Repetto, M.P. (2018). THUNDERR: an ERC Project for the "detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures". *Proceedings, International Workshop on Wind-Related Disasters and Mitigation*, WRDM, Sendai, Japan.
135. Balbi, A., Repetto, M.P., Solari, G., Freda, A., Riotto, G. (2018). Critical wind velocity for harbor container stability. Proc., 4th International Conference on Maritime Technology and Engineering (MARTECH 2018), Lisboa, Portugal.
136. Solari, G., De Gaetano, P. (2018). Structural response to non-stationary thunderstorm outflows: multi-variate vs equivalent mono-variate simulation. *Proceedings, 8th International Conference on Computational Stochastic Mechanics* (CSM 2018), Paros, Greece.
137. Solari, G. (2018). Experimental and numerical tools for assessing the wind loading of structures due to thunderstorm outflows. *Proceedings, 7th International Symposium on Computational Wind Engineering*, Seoul (keynote lecture).
138. Burlando, M., D'Agostino, D., De Vecchi, C., Solari, G. (2018). The THUNDERR portal: a science gateway to share thunderstorm outflow research advances. *Proceedings, 7th International Symposium on Computational Wind Engineering*, Seoul.
139. Solari, G., Zhang, S., Burlando, M., Yang, Q. (2018). Directional decomposition and properties of thunderstorm outflows relevant to wind engineering. *Proceedings, 7th International Symposium on Computational Wind Engineering*, Seoul.
140. Solari, G. (2018). Mixed climatology, non-synoptic phenomena and downburst wind loading of structures. *Proceedings, 15th International Conference of the Italian National Association for Wind Engineering* (IN-VENTO 2018), Naples, Italy (keynote lecture).
141. Burlando, M., Romanic, D., Hangan, H., Solari, G. (2018). Wind tunnel experimentation on stationary downbursts at WindEEE Dome. *Proceedings, 15th International Conference of the Italian National Association for Wind Engineering* (IN-VENTO 2018), Naples, Italy.
142. Balbi, A., Repetto, M.P., Solari, G., Freda, A., Riotto, G. (2018). Wind effects on containers stability. *Proceedings, 15th International Conference of the Italian National Association for Wind Engineering* (IN-VENTO 2018), Naples, Italy.
143. Solari, G. (2019). Detection, simulation, modelling and loading of thunderstorm outflows to design wind safer and cost-efficient structures. *Proceedings, International Workshop on Wind effects on buildings and urban environment*, Atsugi, Japan (abstract, keynote lecture).

144. Solari, G. (2019). Thunderstorm downbursts: monitoring, modelling, simulation and loading of structures. *Proceedings, 2nd National Conference on Wind Engineering* (2NCWE 2019), Bucharest, Romania (extended abstract, keynote lecture).
145. Roncallo, L., Solari, G. (2019). Modelling of thunderstorm outflows by means of the evolutionary power spectral density. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
146. Brusco, S. Lerzo, V., Solari, G. (2019). Dynamic response of structures to thunderstorm outflows taking directionality effects into account. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
147. Canepa, F., Burlando, M., Solari, G. (2019). Advancements in the investigation of vertical profiles of thunderstorm outflows. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
148. Xhelaj, A., Burlando, M., Solari, G. (2019). An advanced analytical model for simulating thunderstorm outflows. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
149. Zhang, S., Yang, Q., Solari, G. (2019). Thunderstorm outflow characteristics in the Beijing urban area. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
150. Calotescu, I., Bitca, D., Solari, G. (2019). Aerodynamic damping of telecommunication lattice towers. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
151. Torre, S., Calotescu, I., Freda, A., Solari, G. (2019). Effect of ancillaries on the aerodynamic behaviour of freestanding lattice towers. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
152. Zuzul, J., Burlando, M., Solari, G., Blocken, B., Ricci, A. (2019). Comparison between the impinging jet model and experimental stationary downbursts. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
153. Solari, G. (2019). Education in wind engineering. *Proceedings, 15th International Conference on Wind Engineering* (ICWE 15), Beijing, China.
154. Solari, G. (2019). The new paradigm of thunderstorm downbursts for safe and sustainable development. *Proceedings, International Symposium on Geomechanics and Applications for Sustainable Development, 2019 Sustainable Industrial Processing Summit and Exhibition* (SIPS 2019), Paphos, Cyprus.
155. Merhi, A., Letchford, C., Solari, G., Lombardo, F. (2020). Application of different thunderstorms from Texas and Italy on the CAARC building. *Proceedings, 9th International Colloquium on Bluff Body Aerodynamics and Applications* (BBAA IX), Birmingham, U.K., submitted.
156. Žužul, J., Ricci, A., Burlando, M., Blocken, B., Solari, G. (2020). CFD modeling of the thunderstorm downburst outflow on a low-rise building. *Proceedings, 9th International Colloquium on Bluff Body Aerodynamics and Applications* (BBAA IX), Birmingham, U.K., submitted.
157. Arul, M., Kareem, A., Burlando, M., Solari, G. (2020). Automated identification of thunderstorms from long-term monitoring networks using shapelet transform. *Proceedings, 9th International Colloquium on Bluff Body Aerodynamics and Applications* (BBAA IX), Birmingham, U.K., submitted.
158. Canepa, F., Burlando, M., Romanic, D., Solari, G., Hangan, H. (2020). Physical investigation of downburst outflows embedded in ABL flow and thunderstorm translation. *Proceedings, 16th International Conference of the Italian National Association for Wind Engineer-*

ing (IN-VENTO 2020), Lecco, Italy, submitted.

Papers in Proceedings of Italian Conferences

1. Solari, G., Stura, D. (1978). Sulla risposta dinamica delle strutture all'azione del vento, *Atti, Quarto Congresso di Meccanica Teorica ed Applicata*, Firenze.
2. Corsanego, A., Solari, G. (1980). Tecniche di troncamento modale per l'analisi sismica delle strutture, *Atti, Convegno sull'Ingegneria Sismica in Italia: Linee di sviluppo, International Centre for Mechanical Sciences*, Udine.
3. Solari, G., Stura, D., Vardanega, C. (1980). Modelli tridimensionali approssimati nell'interazione struttura-terreno-struttura, *Atti, Convegno sull'Ingegneria Sismica in Italia: Linee di sviluppo, International Centre for Mechanical Sciences*, Udine.
4. Corsanego, A., Del Grosso, A., Solari, G., Stura, D. (1984). Interazione sismica tra terreno e centri edificati, *Atti, Secondo Convegno Nazionale sull'Ingegneria Sismica in Italia*, Rapallo.
5. Carpaneto, R., Del Grosso, A., Lagomarsino, S., Solari, G. (1984). Un procedimento per la valutazione dell'amplificazione dei terreni in regime non lineare, *Atti, Secondo Convegno Nazionale sull'Ingegneria Sismica in Italia*, Rapallo.
6. Solari, G. (1985). Azioni del vento sulle coperture e problemi normativi, *Atti, Quinto Congresso Internazionale dell'Isolamento e della Impermeabilizzazione*, Milano.
7. Solari, G. (1989). Modellazione ingegneristica del vento, *Atti, III Riunione del Gruppo Aimeta di Meccanica Stocastica sul tema "Fuidodinamica stocastica"*, Napoli.
8. Lagomarsino, S., Lanzone, C., Massone, C., Solari, G. (1989). Le regole di combinazione modale per l'analisi sismica delle strutture, *Atti, Quarto Convegno Nazionale "L'ingegneria sismica in Italia"*, Milano.
9. Solari, G. (1989). La tecnica dello spettro di risposta nell'ingegneria sismica e del vento, *Atti, Convegno di Meccanica dei materiali e delle strutture dedicato alla memoria di Riccardo Baldacci e di Michele Capurso*, Roma.
10. Lagomarsino, S., Maberini, F., Solari, G. (1990). Analisi critica comparativa dei modelli di calcolo per l'amplificazione locale, *Atti, Quinto Convegno Italiano di Meccanica Computazionale*, Arcavacata di Rende, Cosenza.
11. Solari, G. (1990). L'evoluzione storica e scientifica dell'ingegneria del vento, *Atti, Primo Convegno Nazionale di Ingegneria del Vento*, Firenze.
12. Lagomarsino, S., Piccardo, G., Solari, G. (1990). Criteri di modellazione probabilistica di basi dati eoliche, *Atti, Primo Convegno Nazionale di Ingegneria del Vento*, Firenze.
13. Lagomarsino, S., Roascio, P., Solari, G. (1990). Criteri di modellazione e previsione dello smorzamento strutturale, *Atti, Primo Convegno Nazionale di Ingegneria del Vento*, Firenze.
14. Ballio, G., Lagomarsino, S., Piccardo, G., Solari, G. (1990). Analisi statistica dei venti estremi italiani, *Atti, Primo Convegno Nazionale di Ingegneria del Vento*, Firenze.
15. Bertela', G., Piccardo, G., Solari, G. (1991). Il progetto e l'esecuzione delle strutture intelaiate in c.a. in zona sismica: dai Decreti Ministeriali vigenti agli Eurocodici, *Atti, Quinto Convegno Nazionale sull'Ingegneria Sismica in Italia*, Palermo.
16. Solari, G. (1992). Un approccio unitario alla trattazione del coefficiente di raffica, *Atti, Secondo Convegno Nazionale di Ingegneria del Vento*, Capri.
17. Lagomarsino, S., Piccardo, G., Solari, G. (1992). Analisi probabilistica della velocità media del vento nello Stretto di Messina, *Atti, Secondo Convegno Nazionale di Ingegneria del Vento*, Capri.
18. Solari, G. (1994). Un ricordo di Ottavio Vittori, *Atti, Terzo Convegno Nazionale di Inge-*

gneria del Vento, Roma.
19. Schettini, E., Solari, G. (1996). Analisi probabilistica delle azioni del vento sulle costruzioni, *Atti, 4° Congresso Nazionale di Ingegneria del Vento*, Trieste.
20. Pagnini, L.C., Solari, G. (1997). La risposta sismica di pile di ponti dotati di dispositivi antisismici, *Atti, 8° Convegno Nazionale: L'Ingegneria Sismica in Italia*, Taormina.
21. Castino, F., Rusca, L., Solari, G. (1998). La realizzazione e le prospettive del Polo Climatologico CMIRL nel Sistema Meteo-Idrologico della Regione Liguria, *Atti, V Convegno Nazionale di Ingegneria del Vento*, Perugia.
22. Carassale, L., Piccardo, G., Solari, G. (1998). La doppia trasformazione modale nell'analisi della risposta all'azione del vento di strutture snelle discretizzate, *Atti, V Convegno Nazionale di Ingegneria del Vento*, Perugia.
23. Pagnini, L.C., Solari, G. (1998). Le azioni e gli effetti del vento sui pali e sulle torri monotubolari, *Atti, V Convegno Nazionale di Ingegneria del Vento*, Perugia.
24. Repetto, M.P., Solari, G. (1999). Analisi a fatica di strutture esposte al vento, *Atti, XVII Congresso CTA*, Napoli.
25. Pagnini, L.C., Solari, G. (1999). Lo smorzamento di pali e torri monotubolari in acciaio soggetti all'azione del vento, *Atti, XVII Congresso CTA*, Napoli.
26. Carassale, L., Solari, G. (1999). La decomposizione ortogonale propria nell'analisi dinamica delle strutture, C.D. *Atti, XIV Congresso AIMETA*, Como.
27. Castino, F., Rusca, L., Solari, G. (2000). La mappa del vento in Liguria, *Atti, Sesto Convegno Nazionale di Ingegneria del Vento*, Genova.
28. Carassale, L., Solari, G. (2000). Rappresentazione della velocità del vento e calcolo della risposta strutturale mediante decomposizione ortogonale propria, *Atti, Sesto Convegno Nazionale di Ingegneria del Vento*, Genova.
29. Pagnini, L.C., Solari, G. (2000). La propagazione delle incertezze della turbolenza sulla risposta strutturale all'azione del vento, *Atti, Sesto Convegno Nazionale di Ingegneria del Vento*, Genova.
30. Piccardo, G., Solari, G. (2000). Gli effetti delle raffiche del vento sulle strutture snelle verticali, *Atti, Sesto Convegno Nazionale di Ingegneria del Vento*, Genova.
31. Dafarra, D., Micucci, P., Dassori, E., Solari, G. (2000). Il ruolo del vento nella progettazione degli edifici alti, *Atti, Sesto Convegno Nazionale di Ingegneria del Vento*, Genova.
32. Repetto, M.P., Solari, G. (2000). La fatica indotta dal vento sulle strutture snelle, *Atti, Sesto Convegno Nazionale di Ingegneria del Vento*, Genova.
33. Tubino, F., Carassale, L., Solari, G. (2001). Effetti della variabilità spaziale del moto sismico sulla risposta dinamica delle strutture, *Atti, XV Congresso AIMETA*, Taormina.
34. Solari, G., Bartoli, G., Moraglio, I., Righi, M., Villa, A. (2003). Le azioni del vento sulla Colonna infinita di Brancusi. *Atti, Settimo Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2002*, Milano.
35. Tubino, F., Solari, G. (2003). Buffeting forces on long-span bridges. *Atti, Settimo Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2002*, Milano.
36. Repetto, M.P., Solari, G. (2004). Wind-induced fatigue of structures, C.D. *Proc., Meccanica Stocastica '04*, Pantelleria.
37. Bruno, L., Tubino, F., Solari, G. (2005). Aerodynamic admittance functions of streamlined bodies: the indicial approach by CWE, *Atti, VIII Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2004*, Reggio Calabria.
38. Bruno, L., Tubino, F., Solari, G. (2005). Aerodynamic admittance functions of bridge deck sections by CWE, *Atti, VIII Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2004*, Reggio Calabria.

39. Repetto, M.P., Robertson, A., Solari, G. (2005). Experimental full-scale validation of alongwind-induced fatigue bi-modal method, *Atti, VIII Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2004*, Reggio Calabria.
40. Carassale, L., Solari, G. (2005). Simulazione Monte Carlo della velocità del vento su strutture complesse, *Atti, VIII Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2004*, Reggio Calabria.
41. Tubino, F., Solari, G. (2006). Risposta all'azione del vento di ponti di grande luce: Doppia trasformazione modale e turbolenza efficace, *Atti, IX Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2006*, Pescara.
42. Repetto, M.P., Solari, G. (2006). Risposta di strutture esposte al vento in condizioni atmosferiche non neutrali, *Atti, IX Convegno Nazionale di Ingegneria del Vento, IN-VENTO-2006*, Pescara.
43. Repetto, M.P., Solari, G. (2007). La valutazione della vita a fatica di strutture esposte al vento, *Atti, XXI Congresso CTA: Costruire con l'acciaio*, Catania.
44. Scibilia, N., Stadarelli, R., Piccardo, G., Solari, G., Muggiasca, S., Zasso, A. (2007). Comportamento di una passerella pedonale strillata nei confronti delle azioni del vento, *Atti, XXI Congresso CTA: Costruire con l'acciaio*, Catania.
45. Carassale, L., Freda, A., Ratto, C.F., Solari, G., Talamelli, A. (2009). La nuova galleria del vento presso la Facoltà di Ingegneria dell'Università degli Studi di Genova, *Atti, IN-VENTO-2008*, Cefalù.
46. Cheli, F., Freda, A., Rocchi, D., Solari, G., Testa, M., Tomasini, G. (2009). Analisi del rischio associato al vento laterale per linee ferroviarie ad alta velocità, *Atti, IN-VENTO-2008*, Cefalù.
47. Repetto, M.P., Sandon, S., Solari, G. (2009). Un primo passo verso la formulazione di un procedimento normativo per l'analisi a fatica di strutture esposte al vento, *Atti, IN-VENTO-2008*, Cefalù.
48. Pagnini, L.C., Solari, G. (2009). Una nuova concezione della mappa eolica nazionale, *Atti, IN-VENTO-2008*, Cefalù.
49. Freda, A., Carassale, L., Solari, G., Buonanno, A., Mancini, M., Testa, M. (2009). Un modello condizionale per la previsione a breve termine di fenomeni eolici intensi. Analisi dei dati registrati lungo la linea AV/AC Roma - Napoli, Atti, IN-VENTO-2008, Cefalù, 2009.
50. Pistoletti, P., Costa, G., Bottino, P., Visconti, G., Solari, G. (2009). Strutture metallich di copertura per il nuovo padiglione "B" della Fiera di Genova, *Atti, XXII Congresso CTA: Costruire con l'acciaio*, Padova.
51. De Benedetti, R., Repetto, M.P., Solari, G. (2011). Neutralità e non neutralità atmosferica: caratterizzazione probabilistica e risposta al vento delle strutture, *Atti, IN-VENTO-2010*, Spoleto.
52. Torrielli, A., Repetto, M.P., Solari, G. (2011). Analisi d'estremo di basi dati eoliche di grande dimensione, *Atti, IN-VENTO-2010*, Spoleto.
53. Solari, G., Repetto, M.P., Burlando, M. (2011). La previsione del vento per la gestione e la sicurezza delle aree portuali, *Atti, IN-VENTO-2010*, Spoleto.
54. Sandon, S., Piccardo, G., Solari, G. (2011). Risposta eccitata da raffica di strutture orizzontali: Soluzione tridimensionale in forma chiusa, *Atti, IN-VENTO-2010*, Spoleto.
55. Vintani, A., Spinelli, F., Tavecchio, C., Solari, G., Carassale, L., Freda, A. (2011). Azioni del vento su una pensilina snella ed elegante. La vela di Piazza Portello a Milano. Atti, XXIII Congresso C.T.A.: Le giornate italiane delle costruzioni in acciaio, Ischia.
56. Vintani, A., Spinelli, F., Tavecchio, C., Solari, G., Carassale, L., Piccardo, G., Tubino, F. (2011). Il ruolo fondamentale della sperimentazione per la verifica della progettazione e il

collaudo. Il caso di una passerella pedonale. Atti, XXIII Congresso C.T.A.: Le giornate italiane delle costruzioni in acciaio, Ischia.

57. Bartoli, G., Ricciardelli, F., Solari, G. (2011). Evoluzione storica delle normative per la valutazione delle azioni del vento sulle costruzioni ed implicazioni sulla progettazione delle strutture metalliche. Atti, XXIII Congresso C.T.A.: Le giornate italiane delle costruzioni in acciaio, Ischia.
58. Repetto, M.P., Solari, G. (2013). Il comportamento delle strutture metalliche saldate nei confronti dell'azione del vento, Atti, Giornate Nazionali di Saldatura, GNS 7, Genova.
59. Torrielli, A., Repetto, M.P., Solari, G. (2014). Componenti cicliche dello spettro macrometeorologico della velocità del vento. *Atti, IN-VENTO-2012*, Venezia.
60. Burlando, M., Repetto, M.P., Solari, G., De Gaetano, P., Pizzo, M., Tizzi, M., Iafolla, L., Carmisciano, C., Iafolla, V. (2014). The European project "Wind, Ports, and Sea". *Atti, IN-VENTO-2014*, Genova.
61. Iafolla, L., Carmisciano, C., Fiorenza, E., Iafolla, V., Manzella, G., Montani, L., Bencivenga, M., Burlando, M., Solari, G., De Gaetano, P. (2014). OS-IS® Sistema sismico per il monitoraggio e la previsione del moto ondoso. Atti, 18ª Conferenza Nazionale ASITA, Federazione Italiana delle Associazioni Scientifiche per le Informazioni Territoriali e Ambientali, Firenze.
62. Solari, G. (2015). Dynamic response of structures to thunderstorm winds. Atti, 22° Convegno AIMETA, Genova (Abstract).
63. Romanic, D., Parvu, D., Hangan, H., Solari, G., Burlando, M. (2016). New methodology for determining downburst touchdown location. Proceedings, 14th Conference of the Italian Association for Wind Engineering, IN-VENTO 2016, Terni (Abstract).
64. Solari, G. (2019). Il ruolo del vento nell'ingegneria delle costruzioni, Atti, *Giornate Nazionali della Saldatura* (GNS 10), Genova (Abstract, keynote lecture).

Reports

1. Solari, G., Stura, D. (1978). Analisi dinamica delle azioni del vento sulle strutture di grande altezza, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 1.
2. Solari, G., Stura, D. (1978). Effetti del rivestimento interno sul comportamento delle alte ciminiere di acciaio soggette all'azione dinamica del vento, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 2.
3. Solari, G., Stura, D. (1978). Influenza dell'interazione dinamica col suolo sulle frequenze proprie delle strutture di grande altezza, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 3.
4. Corsanego, A., Solari, G. (1978). Valutazione dell'accoppiamento modale in strutture con piccolo smorzamento, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 7.
5. Corsanego, A., Solari, G. (1978). Analisi modale classica di strutture con smorzamento non classico, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 8.
6. Solari, G. (1980). Determinazione semianalitica della risposta dinamica delle strutture all'azione del vento, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 1.
7. Solari, G. (1980). Sulla formulazione del criterio di rigidezza delle strutture soggette all'azione del vento, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 2.
8. Solari, G. (1981). DAWROS: A computer program for calculating the Dynamic Along-Wind Response Of Structures, Istituto di Scienza delle Costruzioni, Università di Genova,

Serie IV, n. 1.
9. Solari, G. (1981). Sulla determinazione del carico di progetto delle strutture soggette all'azione del vento, Istituto di Scienza delle Costruzioni, Università di Genova, Serie IV, n. 2.
10. Solari, G. (1982). Interazione suolo-struttura, Corso di aggiornamento sull'Ingegneria Sismica, Caltanissetta.
11. Solari, G. (1984). Interazione suolo-struttura, Corso di aggiornamento in Ingegneria Sismica, Palermo.
12. Ballio, G., Solari, G. (1984). Analisi comparativa dei metodi di valutazione della risposta strutturale all'azione del vento, Istituto di Scienza delle Costruzioni, Università di Genova, n. 19.
13. Ballio, G., Solari, G. (1984). Sulla determinazione dello stato di pressione indotto dal vento sulle costruzioni, Istituto di Scienza delle Costruzioni, Università di Genova, n. 20.
14. Ballio, G., Solari, G. (1987). Critical considerations about the new italian recommendations for wind loads on structures, Istituto di Scienza delle Costruzioni, Università di Genova, n. 10.
15. Solari, G. (1988). Dynamic alongwind response of structures by equivalent wind spectrum technique, Istituto di Scienza delle Costruzioni, Università di Genova, n.2.
16. Solari, G. (1988). Wind response spectrum, Istituto di Scienza delle Costruzioni, Università di Genova, n. 8.
17. Solari, G. (1988). La bozza di Eurocodice sulle azioni del vento e sue implicazioni sulla Normativa Italiana, Istituto di Scienza delle Costruzioni, Università di Genova, n. 9.
18. Corsanego, A., Lagomarsino, S., Solari, G. (1988). Linearization techniques for seismic non linear soil-structure interaction, Istituto di Scienza delle Costruzioni, Università di Genova, n. 10.
19. Solari, G. (1993). Analisi delle azioni e degli effetti del vento sulla Torre di Pisa. Parte 1: Configurazione e intensità del vento, Presidenza del Consiglio dei Ministri, Comitato per gli interventi di consolidamento e restauro della Torre di Pisa.
20. Solari, G. (1993). Analisi delle azioni e degli effetti del vento sulla Torre di Pisa. Parte 2: Analisi aerodinamica e risposta strutturale, Presidenza del Consiglio dei Ministri, Comitato per gli interventi di consolidamento e restauro della Torre di Pisa.
21. Solari, G., Pagnini, L.C., Piccardo, G. (1996). High-frequency force-balance wind-tunnel tests and aerodynamic identification of structures, Istituto di Scienza delle Costruzioni, Università di Genova, Serie II, n. 2.
22. Schettini, E., Solari, G. (1996). La distribuzione del massimo della velocità istantanea del vento: Il metodo della somma dei massimi, Istituto di Scienza delle Costruzioni, Università di Genova, Serie II, n. 4.
23. Solari, G., Reinhold, T.A., Livesey, F. (1997). The actions and the effects of wind over the Leaning Tower of Pisa, Dipartimento di Ingegneria Strutturale e Geotecnica, Università di Genova, Serie II, 1.
24. Solari, G., Pagnini, L.C. (1998). Le azioni e gli effetti del vento sui pali e sulle torri monotubolari. Parte 1: Principi generali e formulazione, Dipartimento di Ingegneria Strutturale e Geotecnica, Università di Genova, Serie II, n. 3.
25. Solari, G., Pagnini, L.C. (1998). Le azioni e gli effetti del vento sui pali e sulle torri monotubolari. Parte 2: Valutazione sperimentale dello smorzamento, Dipartimento di Ingegneria Strutturale e Geotecnica, Università di Genova, Serie II, n. 4.
26. Solari, G., Pagnini, L.C. (1998). Le azioni e gli effetti del vento sui pali e sulle torri monotubolari. Parte 3: Metodo di calcolo, Dipartimento di Ingegneria Strutturale e Geotecnica, Università di Genova, Serie II, n. 5.

27. Repetto, M.P., Solari, G. (1999). Gust-excited fatigue of slender structures, Dipartimento di Ingegneria Strutturale e Geotecnica, Università di Genova, Serie II, n. 2.
28. Rusca, L., Castino, F., Solari, G. (1999). Analisi probabilistica della velocità e della direzione del vento presso le stazioni anemometriche liguri, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 6/C.
29. Burlando, M., Castino, F., Rusca, L., Solari, G. (1999). Analisi probabilistica dei campi di vento prodotti da LILAM alla sommità dello strato limite atmosferico, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 8/A.
30. Castino, F., Gallino, S., Cresta, R., Solari, G. (1999). Individuazione di nuovi siti in Liguria idonei all'installazione di strumentazione meteorologica completa da inserire nell'OMIRL, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 9/A.
31. Castino, F., Rusca, L., Solari, G. (1999). Catalogazione e descrizione delle stazioni anemometriche liguri, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 4/B.
32. Castino, F., Rusca, L., Solari, G. (2000). Modellazione del territorio ligure e trasformazione delle misure al suolo in valori alla sommità dello strato limite atmosferico, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 5/D.
33. Roverano, M., Castino, F., Solari, G. (2000). Raccolta e catalogazione informatica della serie dei dati nivologici liguri, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 7/B.
34. Roverano, M., Rusca, L., Solari, G. (2000). Analisi probabilistica delle serie storiche dei dati nivologici liguri, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 10/B.
35. Castino, F., Rusca, L., Solari, G. (2000). Il modello probabilistico del vento geostrofico in Liguria, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 11/A, 3.
36. Castino, F., Rusca, L., Solari, G. (2000). La mappa del vento in Liguria, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 12/A.
37. Rusca, L., Castino, F., Roverano, M., Solari, G. (2000). La mappa della neve in Liguria, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 13/A.
38. Rusca, L., Castino, F., Solari, G. (2000). Prospettive e sviluppi del Polo Climatologico CMIRL, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 14/A.
39. Rusca, L., Castino, F., Solari, G. (2000). Allestimento informatico del Polo DISEG, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 1/E.
40. Rusca, L., Castino, F., Solari, G. (2000). Raccolta e catalogazione informatica delle previsioni eseguite da LILAM, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 3/C.
41. Rusca, L., Castino, F., Solari, G. (2001). Raccolta e catalogazione informatica delle serie storiche dei dati meteorologici registrati in Liguria, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 2/G.
42. Castino, F., Rusca, L., Solari, G. (2001). Procedure di controllo di qualità dei dati meteoro-

logici in uso presso il CMIRL, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 15/A.
43. Rusca, L., Castino, F., Solari, G. (2002). Il database CMIRL_DATA: acquisizione e analisi statistica dei parametri meteorologici presso le stazioni liguri, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 16/B.
44. Castino, F., Rusca, L., Solari, G. (2002). Annali meteorologici Liguri – Criteri di progettazione, Centro Meteo-Idrologico della Regione Liguria - Dipartimento di Ingegneria Strutturale e Geotecnica, 17/A.
45. De Gaetano, P., Solari, G., Burlando, M, Repetto, M.P. (2010). Confronto tra dati storici di vento registrati da stazioni anemometriche limitrofe. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 2/A.
46. Tizzi, M., Solari, G., Burlando, M, Repetto, M.P. (2011). Analisi statistica dei dati storici di vento registrati dalle stazioni anemometriche sul territorio italiano. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 1/B.
47. Pizzo, M., Solari, G., Burlando, M, Repetto, M.P. (2011). Estrazioni dei campi di vento dagli output delle simulazioni del modello WINDS. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 3/A.
48. De Gaetano, P.,Solari, G., Burlando, M, Repetto, M.P. (2011). Confronto tra basi dati anemometriche di stazioni limitrofe e simulazioni del modello WINDS. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 4/A.
49. Parodi, M., Solari, G., Burlando, M, Repetto, M.P. (2011). Valutazione dei campi di intensità della turbolenza. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 5/B.
50. De Gaetano, P., Solari, G., Burlando, M, Repetto, M.P. (2011). Acquisizione dei dati anemometrici registrati dalle stazioni nei porti aderenti al progetto. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 6/A.
51. De Gaetano, P., Pizzo, M., Solari, G., Burlando, M, Repetto, M.P. (2011). Modello di trasferimento delle velocità medie del vento nelle aree portuali. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 7/A.
52. Burlando, M., Solari, G., Repetto, M.P. (2012). Sistema di previsione a medio termine del vento. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 8/B.
53. Tizzi, M., Solari, G., Burlando, M, Repetto, M.P. (2012). Analisi probabilistica del vento di riferimento alle stazioni anemometriche storiche. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 9/A.
54. Tizzi, M., Solari, G., Burlando, M, Repetto, M.P. (2012). Analisi probabilistica del vento nelle aree portuali. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 10/A.
55. Pizzo, M., Solari, G., Burlando, M, Repetto, M.P. (2012). Modello di previsione a breve termine del vento nelle aree portuali. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 11/A.
56. Pizzo, M., Solari, G., Burlando, M, Repetto, M.P. (2012). Validazione del modello di previsione a breve termine del vento nelle aree portuali. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 12/A.
57. Burlando, M., Solari, G., Repetto, M.P. (2012). Validazione del modello di previsione a medio termine del vento nelle aree portuali. Progetto Europeo Vento e Porti, Dipartimento di Ingegneria delle Costruzioni, dell'Ambiente e del Territorio, 13/A.

58. De Gaetano, P., Solari, G., Burlando, M, Repetto, M.P. (2014). Sistema di previsione a medio termine del moto ondoso. Progetto Europeo Vento, Porti e Mare, Dipartimento di Ingegneria Civile, Chimica e Ambientale, 1/B.
59. Pizzo, M., Solari, G., Burlando, M, Repetto, M.P. (2014). Ampliamento delle griglie di calcolo del sistema previsionale del vento a medio termine. Progetto Europeo Vento, Porti e Mare, Dipartimento di Ingegneria Civile, Chimica e Ambientale, 2/B.
60. Pizzo, M., Solari, G., Burlando, M, Repetto, M.P. (2014). Modellistica numerica del vento nell'area portuale di Ile-Rousse. Progetto Europeo Vento, Porti e Mare, Dipartimento di Ingegneria Civile, Chimica e Ambientale, 3/A.

Annex 2

Giovanni Solari

MEMBERSHIP OF SCIENTIFIC COMMITTEES AND ADVISORY BOARDS

International Conferences

1. *1st East European Conf. on Wind Engineering* (Warsaw, Poland, July 1994)
2. *3rd European Conf. on Structural Dynamics* (Florence, Italy, June 1996)
3. *3rd Int. Coll. on Bluff Body Aerodynamics & Applications* (Blacksburg, Virginia, July 1996)
4. *2nd European & African Conf. on Wind Engineering* (Genoa, Italy, June 1997) (Chair)
5. *Int. Workshop on Wind Energy & Landscape* (Genoa, Italy, June 1997) (Co-Chair)
6. *1st Int. Conf. on Technical Meteorology of the Carpathians* (Lviv, Ukraine, June 1998)
7. *2nd East European Conf. on Wind Engineering* (Prague, Czech Republic, September 1998)
8. *Int. Conf. on Monitoring and Control of Marine and Harbour Structures* (Genoa, June 1999)
9. *10th Int. Conf. on Wind Engineering* (Copenhagen, Denmark, June 1999)
10. *1st Int. Conf. on Advances in Structural Engineering and Mechanics* (Seoul, August 1999)
11. *3rd Int. Conf. on Engineering Aero-Hydroelasticity* (Prague, Czech Republic, August 1999)
12. *Civil & Environmental Engineering Conf. - New Frontiers & Challanges* (Bangkok, Thailand, November 1999)
13. *Int. Symp. on Wind & Structures for the 21st Century* (Cheju, January 2000) (Co-Chair)
14. *European Sem. on Offshore Wind Energy in Mediterranean and Other European Seas: Technology and Potential Applications* (Siracusa, Italy, April 2000)
15. *8th ASCE Joint Speciality Conf. on Probabilistic Mechanics and Structural Reliability* (Notre Dame, Indiana, July 2000)
16. *4th Int. Coll. on Bluff Body Aerodynamics & Applications* (Bochum, September 2000)
17. *1st Int. Codification Workshop for Wind Loads* (Bochum, Germany, September 2000)
18. *SOLAREXPO 2000: Int. Conf. and Exhibition on Renewable and Alternative Energies* (Verona, Italy, November 2000)
19. *Int. Conf. on Advances in Structural Dynamics* (Hong Kong, December 2000)
20. *3rd European & African Conf. on Wind Engineering* (Eindhoven, Netherlands, July 2001)
21. *2nd Int. Codification Workshop for Wind Loads* (Kyoto, Japan, October 2001)
22. *2002 Global Windpower Conf.* (Paris, France, April 2002)
23. *3rd East European Conf. on Wind Engineering* (Kiev, Ukraine, May 2002) (Co-Chair)
24. *Engineering Symp. to honour Alan G. Davenport for his 40 years of contributions* (London, Ontario, Canada, June 2002)
25. *Int. IASS Symp. on Lightweight Structures in Civil Engineering – Contemporary Problems* (Warsaw, Poland, June 2002)
26. *2nd Int. Symp. on Advances in Wind & Structures* (Busan, Korea, August 2002) (Co-Chair)
27. *2nd Int. Conf. on Problems of the Technical Meteorology* (Lviv, Ukraine, September 2002)
28. *Int. Conf. on Advances in Building Technology* (Hong Kong, December 2002)
29. *European Seminar on Offshore Wind Energy in Mediterranean and other European Seas, OWEMES 2003* (Naples, April 2003)
30. *1st Istambul Int. Conf. on Energy, Environment and Economy* (Istambul, Turkey, May 2003)

31. *11th Int. Conf. on Wind Engineering* (Lubbock, Texas, June 2003)
32. *5th Int. Symp. on Cable Dynamics* (Santa Margherita, Italy, September 2003)
33. *20th Int. Conf. on Numerical modeling in mechanics of deformable bodies and structures* (St. Petersburg, Russia, October 2003)
34. *5th Int. Coll. on Bluff Body Aerodynamics & Applications* (Ottawa, Canada, July 2004)
35. *4th European & African Conf. on Wind Engineering* (Prague, Czech Republic, July 2005)
36. *International Colloquium on Lightweight structures in civil engineering* (Warsaw, Poland, September 2005)
37. *6th Asia-Pacific Conf. on Wind Engineering* (Seoul, Korea, September 2005)
38. *6th International Symposium on Cable Dynamics* (Charleston, USA, September 2005)
39. *3rd National Conference on Wind Engineering* (Kolkata, India, January 2006)
40. *European Seminar on Offshore Wind Energy in Mediterranean and other European Seas, OWEMES 2006* (Civitavecchia, April 2006)
41. *5th Computational Stochastic Mechanics Conference* (Rodos, June 2006)
42. *4th International Symposium on Computational Wind Engineering* (Yokohama, Japan, July 2006)
43. *5th World Wind Energy Conference & Renewable Energy Exhibition* (New Delhi, India, November 2006)
44. *Engineering Nature 2007* (New Forest, U.K., July 2007)
45. *12th International Conference on Wind Engineering* (Cairns, Australia, July 2007)
46. *7th International Symposium on Cable Dynamics* (Wien, Austria, December 2007)
47. *4th International Conference on Advances in Wind and Structures, AWAS'08* (Jeju, Korea, May 2008)
48. *6th International Colloquium on Bluff-Body Aerodynamics and Applications* (Milan, Italy, July 2008)
49. *5th European & African Conference on Wind Engineering* (Florence, Italy, July 2009)
50. *8th International Symposium on Cable Dynamics* (Clamart, France, September 2009)
51. *7th Asia-Pacific Conf. on Wind Engineering* (Taipei, Taiwan, November 2009).
52. *15th Jubilee Seminar on Lightweight structures in civil engineering* (Warsaw, Poland, December 2009)
53. *5th International Symposium on Computational Wind Engineering* (Chapel Hill, North Carolina, May 2010)
54. *XI International Conference of the Italian National Association for Wind Engineering* (Spoleto, Italy, June 2010)
55. *Structural Engineers World Congress 2011* (Como, Italy, April 2011)
56. *13th International Conference on Wind Engineering* (Amsterdam, July 2011)
57. *7th Nonlinear Dynamics Conference, EUROMECH* (Roma, September 2011)
58. *14th International Conference of the Maritime Association of the Mediterranean, IMAM 2011* (Genova, September, 2011)
59. *9th International Symposium on Cable Dynamics* (Shanghai, October 2011)
60. *11th Joint Speciality Conference on Probabilistic Mechanics and Structural Reliability* (Notre Dame, Indiana, June 2012)
61. *6th International Conference on Bridge Maintenance, Safety and Management* (Como, July 2012)
62. *2012 International Conference on Advances in Wind and Structures, AWAS12* (Seoul, Korea, August 2012)
63. *7th Int. Coll. on Bluff Body Aerodynamics & Applications*, BBAA (Shanghai, China, September 2012)

64. *6th European & African Conf. on Wind Engineering* (Cambridge, United Kingdom, July 2013)
65. *Community Protection EXPO International Conference and Exhibition* (Genova, Italy, October 2013)
66. *6th International Conference on Structural Health Monitoring of Intelligent Infrastructure* (Hong Kong, December 2013)
67. *8th Asia-Pacific Conference on Wind Engineering* (Chennai, India, December 2013)
68. *The 2014 International Conference on Advances in Wind and Structures* (AWAS14) (Busan, Korea, August 2014)
69. *10th International Symposium on Cable Dynamics* (Copenhagen, Denmark, September 2014)
70. *7th International Symposium on Environmental Effects on Buildings and People* (EEBP VII) (Cracow, Poland, October 2014)
71. *XIII International Conference of the Italian National Association for Wind Engineering* (Genoa, Italy, June 2014)
72. *20th International Colloquium on Lightweight structures in Civil Engineering* (Warsaw, Poland, September 2014)
73. *14th International Conference on Wind Engineering* (Porto Alegre, Brasil, June 2015)
74. *2nd International Conference on Performance-based and Life-cycle Structural Engineering (PLSE 2015)* (Brisbane, Australia, December 2015)
75. *1st International WINERCOST Conference "Wind energy harvesting – From Aeolian farms to cities of the future* (Ankara, Turkey, April 2016)
76. *8th International Colloquium on Bluff Body Aerodynamics & Applications* (Boston, Massachussets, US, June 2016)
77. *2016 Stochastic Mechanics & Meccanica Stocastica 2016* (Capri, Italy, June 2016)
78. *International Symposium on Structural Engineering* (ISSE-14) (Beijing, China, October 2016)
79. *7th European & African Conference on Wind Engineering* (Liege, Belgium, July 2017)
80. *13th Americas Conference on Wind Engineering* (Gainesville, Florida, May 2017)
81. *International Workshop on Wind-Related Disasters and Mitigation* (WRDM) (Sendai, Japan, March 2018)
82. *8th International Conference on Environmental Effects on Buildings and People* (EEBP VIII) (Cracow, Poland, October 2018)
83. *XV International Conference of the Italian National Association for Wind Engineering* (Naples, Italy, September 2018)
84. *7th International Symposium on Computational Wind Engineering* (CWE2018, Seoul, Korea, June 2018)
85. *2nd National Conference on Wind Engineering* (2NCWE 2019, Bucharest, Romania, June 2019)
86. *15th International Conference on Wind Engineering* (Beijing, China, September 2019)
87. *8th International Colloquium on Bluff Body Aerodynamics & Applications*, BBAA (Birmingham, UK, July 2020)
88. *5th International Congress on Civil Engineering*, CIIC (Havana, Cuba, November-December 2020)
89. *XVI International Conference of the Italian National Association for Wind Engineering* (Lecco, Italy, September 2020)
90. *2020 UK Wind Engineering Society Conference* (U.K., September 2020)

Italian National Conferences

1. *I Convegno Nazionale di Ingegneria del Vento* (Firenze, October 1990)
2. *II Convegno Nazionale di Ingegneria del Vento* (Capri, October 1992)
3. *III Convegno Nazionale di Ingegneria del Vento* (Roma, October 1994)
4. *IV Convegno Nazionale di Ingegneria del Vento* (Trieste, September 1996)
5. *V Convegno Nazionale di Ingegneria del Vento* (Perugia, September 1998)
6. *VII Congresso del Collegio dei Tecnici dell'Acciaio (CTA)* (Napoli, October 1999)
7. *Omaggio a Edoardo Benvenuto* (Genova, November 1999)
8. *VI Convegno Nazionale di Ingegneria del Vento* (Genova, June 2000)
9. *I Convegno FENDIS* (Roma, July 2001)
10. *VII Convegno Nazionale di Ingegneria del Vento* (Milano, September 2002)
11. *XIX Congresso del Collegio dei Tecnici dell'Acciaio, CTA* (Genova, September 2003)
12. *Meccanica Stocastica '03* (Pantelleria, June 2004)
13. *VIII Convegno Nazionale di Ingegneria del Vento* (Reggio Calabria, June 2004)
14. *II Convegno FENDIS* (Roma, December, 2004)
15. *Crolli e affidabilità delle strutture civili* (Messina, April 2006)
16. *Meccanica Stocastica '06* (Favignana, May, June 2006)
17. *IX Convegno Nazionale di Ingegneria del Vento* (Pescara, June 2006)
18. *XXI Congresso del Collegio dei Tecnici dell'Acciao, CTA* (Catania, October 2007)
19. *X Convegno Nazionale di Ingegneria del Vento* (Palermo, June 2008)
20. *XIX Congresso AIMETA* (Ancona, September 2009)
21. *XXI Congresso AIMETA* (Genova, September 2015)

Annex 3

Giovanni Solari

CHAIRMANSHIP OF SESSIONS OF CONFERENCES

International Conferences

1. Wind, wave, snow and numerical, *5th U.S. Nat. Conf. on Wind Engineering* (Lubbock, Texas, November 1985);
2. Dynamic effects and structural reliability, *6th U.S. Nat. Conf. on Wind Engineering* (Houston, Texas, March 1989);
3. Towers and chimneys - 2, *8th Int. Conf. on Wind Engineering* (London, Ontario, July 1991);
4. Towers and chimneys, *1st East European Conf. on Wind Engineering* (Warsaw, July 1994)
5. Miscellaneous, *9th Int. Conf. on Wind Engineering* (New Delhi, India, January 1995)
6. Control Applications I, *1st European Conf. on Structural Control* (Barcelona, May 1996)
7. Wind Engineering, *3rd European Conf. on Structural Dynamics* (Florence, June 1996)
8. Tall Flexible Structures II, *3rd Int. Coll. on Bluff Body Aerodynamics & Applications* (Blacksburg, Virginia, July 1996)
9. Opening, *2nd European & African Conf. on Wind Engineering* (Genoa, Italy, June 1997)
10. Closure, *2nd European & African Conf. on Wind Engineering* (Genoa, Italy, June 1997)
11. Opening, *Int. Workshop on Wind Energy and Landscape* (Genoa, Italy, June 1997)
12. Closure, *Int. Workshop on Wind Energy and Landscape* (Genoa, Italy, June 1997)
13. Opening, *Wind Engineering Workshop* (Moscow, Russia, February 1998)
14. Closure, *Wind Engineering Workshop* (Moscow, Russia, February 1998)
15. Plenary Session 3, *2nd East-European Conf. on Wind Engineering* (Prague, September 1998)
16. General Lectures G4, *Int. Coll. on Lightweight Structures in Civil Engineering* (Warsaw, Poland, December 1998)
17. Thin-Walled Bars and Structures, *Int. Coll. on Lightweight Structures in Civil Engineering* (Warsaw, Poland, December 1998)
18. Session II, *Int. Conf. on Monitoring and Control of Marine and Harbour Structures* (Genoa, Italy, June 1999)
19. Plenary Session IV, *10th Int. Conf. on Wind Engineering* (Copenhagen, Denmark, June 1999)
20. Wind-Structures Interaction, *1st Int. Conf. on Advances in Structural Engineering and Mechanics* (Seoul, Korea, August 1999)
21. Civil Engineering and Special Problems, *3rd Int. Conf. on Engineering Aero-Hydroelasticity* (Prague, Czech Republic, September 1999)
22. Computational Wind Engineering I, *1st Int. Symp. on Wind and Structures for the 21th Century* (Cheju, Korea, January 2000)
23. Wind Engineering 2, *8th ASCE Joint Speciality Conf. on Probabilistic Mechanics and Structural Reliability* (Notre Dame, Indiana, July 2000)
24. Codes, *4th Int. Coll. on Bluff Body Aerodynamics & Applications* (Bochum, September 2000)
25. State-of-the-art technologies, success stories, deployment potential, *Int. Sem. on Wind Power* (Verona, Italy, December 2000)

26. Wind Engineering II, *Int. Conf. on Advances in Structural Dynamics* (Hong Kong. 2000)
27. Plenary Session on Wind Engineering in Africa, *3rd European & African Conf. on Wind Engineering* (Eindhoven, Netherlands, July 2001)
28. Low-rise buildings, *5th Asia-Pacific Conf. on Wind Engineering* (Kyoto, October 2001)
29. Wind effects on signature structures, *2nd International Symposium on Advances in Wind & Structures* (Busan, Korea 2002)
30. Wind maps, siting tools, *European Seminar on Offshore Wind Energy in Mediterranean and other European Seas, OWEMES 2003* (Naples, aprile 2003)
31. 4th Plenary Session, *11th Int. Conf. on Wind Engineering* (Lubbock, Texas, June 2003)
32. Methods of non-linear dynamics, *5th Int. Symp. on Cable Dynamics* (Santa Margherita, Italy, September 2003)
33. Session 2, *COE Inaugural Seminar on Wind Effects on Buildings and Urban Areas* (Atsugi, Japan, March 2004)
34. Low-rise buildings, *5th International Colloquium on Bluff Body Aerodynamics & Applications, BBAA V* (Ottawa, Canada, July 2004)
35. Panel Discussion, *International Workshop on Wind Engineering & Science, WES-04* (New Delhi, India, October 2004)
36. Wind engineering: loads and structural response, *9th International Conference on Structural Safety and Reliability* (Rome, June 2005)
37. Wind engineering: testing and design, *9th International Conference on Structural Safety and Reliability* (Rome, June 2005)
38. Plenary Session KEY04, *4th European & African Conference on Wind Engineering* (Prague, July 2005)
39. Closing Ceremony, *4th European & African Conference on Wind Engineering* (Prague, July 2005)
40. Plenary Session W1K, *6th Asia-Pacific Conference on Wind Engineering* (Seoul, 2005)
41. Plenary Session 3, *4th International Symposium on Computational Wind Engineering* (Yokohama, 2006)
42. Wind turbine technology development, *5th World Wind Energy Conference & Renewable Energy Exhibition* (New Delhi, India, November 2006)
43. Opening Plenary Session, *12th International Conference on Wind Engineering* (Cairns, July, 2007)
44. Opening Session, *The 3rd International Symposium on Wind Effects on Buildings and Urban Environment: New Frontiers in Wind Engineering* (Tokyo, March, 2008)
45. Experimental investigation on buildings 3, *6th International Colloquium on Bluff-Body Aerodynamics and Applications* (Milan, July 2008)
46. Tall buildings and structures – Part 1, *11th Americas Conference on Wind Engineering*, (Puerto Rico, June 2009)
47. Keynote Plenary Session on Wind and Risk, *5th European & African Conference on Wind Engineering* (Florence, July 2009)
48. Invited Session 4, *5th International Symposium on Wind Effects on Buildings and Urban Environment: Wind hazard resilient cities: New challenges* (Tokyo, March 2011)
49. Wind Engineering, *Structural Engineers World Congress 2011* (Como, Italy, April 2011)
50. Alan G. Davenport contributions to wind engineering, *13th International Conference on Wind Engineering* (Amsterdam, July 2011)
51. Sea Exploitation Resources, *14th International Conference of the Maritime Association of the Mediterranean, IMAM 2011* (Genova, September, 2011)
52. Keynote 2: Flutter and its application, Masaru Matsumoto, *BBAA VII Colloquium* (Shang-

hai, China, September 2012).

53. Session 2, *Workshop on Innovation and Intelligence-Importing Base on Mitigating Wind-Induced Disaster of Infrastructures Sensitive to Wind* (Beijing, China, April 2013)
54. Hurricanes and tornadoes, *12th Americas Conference on Wind Engineering* (Seattle, Washington, U.S., June 2013)
55. Buildings 2, *6th European and African Conference on Wind Engineering* (Cambridge, U.K., July 2013)
56. Wind Engineering Innovation, *WindEEE Scientific Symposium* (London, Ontario, Canada, October 2013)
57. Plenary Session 3, *8th Asia-Pacific Conference on Wind Engineering* (Chennai, India, December 2013)
58. Codes of Practice, *8th Asia-Pacific Conference on Wind Engineering* (Chennai, India, December 2013)
59. Session 2, *II Workshop of Overseas Expertise Introduction Project for Innovation on Mitigating Wind-induced Disaster of Infrastructures Sensitive to Wind* (Beijing, China, September 2014)
60. Session 3, 2*0th International Colloquium on Lightweight structures in Civil Engineering* (Warsaw, Poland, September 2014)
61. Opening Plenary Session, *14th International Conference on Wind Engineering* (Porto Alegre, June 2015)
62. Invited Lecture 1, *First International Symposium on Flutter and its Application* (Tokyo, May 2016)
63. Awards Ceremony, *8th International Colloquium on Bluff Body Aerodynamics & Applications* (Boston, Massachussets, June 2016)
64. Opening Keynote Presentations, *14th International Symposium on Structural Engineering* (ISSE-14, Beijing, China, October 2016)
65. Session 9, Wind effects on high-rise buildings, *14th International Symposium on Structural Engineering* (ISSE-14, Beijing, China, October 2016)
66. Non-stationary winds, *7th European and African Conference on Wind Engineering* (Liege, Belgium, July 2017)
67. Wind-induced vibrations of slender structures, *10th International Conference on Structural Dynamics* (Rome, Italy, September 2017)
68. Closing Session and Cerimony, *International High-end Forum on Structure Engineering and Wind Engineering* (Chongqing, China, October 2017)
69. Large span structures, *9th Asia-Pacific Conference on Wind Engineering* (Auckland, New Zealand, December 2017)
70. Extreme weather and wind-induced damage, *International Workshop on Wind-Related Disasters and Mitigation* (WRDM, Sendai, Japan, March 2018)
71. Wind hazard assessments, *7th International Symposium on Computational Wind Engineering* (Seoul, Korea, June 2018)
72. Session 6, *International Conference on Base for introducing talents to discipline of high-performance wind energy system and effective operation of wind farm* (HPWES) (Chonqing, China, October 2018).
73. Session 3, *2018 Central South University* (CSU) *Wind Engineering International Workshop* (Changsha, China, October 2018).
74. Lifetime contribution to Wind Engineering, Peter Irwin, 6 September 2019, Beijing, China, *Keynote Panel Discussion Lecture at the 15th International Conference on Wind Engineering*.

Italian National Conferences

1. Dinamica delle strutture, *V Convegno Nazionale di Meccanica Computazionale* (Arcavacata di Rende, Cosenza, June 1990);
2. Sessione C, *II Convegno Nazionale di Ingegneria del Vento* (Capri, October 1992)
3. Sessione D, *III Convegno Nazionale di Ingegneria del Vento* (Roma, October 1994)
4. Sessione C, *IV Convegno Nazionale di Ingegneria del Vento* (Trieste, September 1996)
5. Sessione 1, *Incontro di Studio sulle Tempeste Mediterranee: Valutazione e Previsione degli Effetti al Suolo* (Savona, October 1996)
6. Interazione suolo-struttura, *VIII Convegno Nazionale: L'Ingegneria Sismica in Italia* (Taormina, September 1997)
7. Sessione ST 7, *XIII Congresso Nazionale AIMETA* (Siena, September 1997)
8. Controllo strutturale, *Convegno Nazionale del Gruppo Aimeta di Meccanica Stocastica* (Lampedusa, June 1998)
9. Sessione B, *V Convegno Nazionale di Ingegneria del Vento* (Perugia, September 1998)
10. Sessione A1, *XVII Congresso CTA* (Napoli, October 1999)
11. Apertura, *VI Convegno Nazionale di Ingegneria del Vento* (Genova, June 2000)
12. Chiusura, *VI Convegno Nazionale di Ingegneria del Vento* (Genova, June 2000)
13. IV Sessione, *Convegno FENDIS* (Roma, July 2001)
14. Risposta dinamica, *VII Convegno Nazionale di Ingegneria del Vento* (Milano, September 2002)
15. II Sessione, *Meccanica Stocastica '04* (Pantelleria, May 2004)
16. Dinamica, *VIII Convegno Nazionale di Ingegneria del Vento* (Reggio Calabria, June 2004)
17. Interazione dinamica tra vento e cavi, *II Convegno FENDIS* (Roma, December 2004)
18. Sessione 4 - Dinamica deterministica, *I Workshop C.I.Di.S. sulla Dinamica delle strutture* (Messina, February 2005)
19. Sessione B - Diffusione atmosferica, climatologia del vento ed energia eolica, *IX Convegno Nazionale di Ingegneria del Vento* (Pescara, June 2006)
20. Tavola rotonda: "Le nuove istruzioni CNR sulle azioni del vento sulle costruzioni", *IX Convegno Nazionale di Ingegneria del Vento* (Pescara, June 2006)
21. Panel Session: "Wind flows in the atmospheric boundary layer: physical modeling, numerical simulations, in-site measurements", *XIII Convegno Nazionale di Ingegneria del Vento* (Genova, June 2014)

nnex 4

Giovanni Solari

INVITED LECTURES AT CONFERENCES

International Conferences

1. Evaluation and role of damping and periods for the calculation of structural response under wind loads, Atsugi, Japan, 8 September 1995, *Invited Lecture at the IWEF Meeting on Structural Damping*
2. Wind-excited response of structures with uncertain parameters, Naples, Italy, 14 June 1996, *Invited Lecture at the Workshop on Recent Advances in Wind Engineering*
3. The wind-excited response of structures by double modal transformation, Moscow, Russia, 20 February 1998, *Invited Lecture at the International Conference on Hydrodynamic Instability and Turbulence*
4. The wind-excited behavior of steel poles and light towers, Warszaw, Poland, 1 December 1998, *Invited Lecture at the International Colloquium on Lightweight Structures in Civil Engineering*
5. Classic methods, new tools and advances in modal analysis, Seoul, Korea, 24 August 1999, *Invited Lecture at the I International Conference on Advances in Structural Engineering and Mechanics*
6. Progress and prospects in gust-excited vibrations of structures, Prague, Czech Republic, 3 September 1999, *Invited Lecture at the 3rd International Conference on Aero- and Hydroelasticity*
7. Gust-excited response of vertical structures: Developments and some perspectives, Cheju, Korea, 26 January 2000, *Invited Opening Lecture at the International Symposium on Wind & Structures for the 21st Century*
8. Modelling and simulation of turbulence fields, Atsugi, Japan, 20 October 2001, *Invited Lecture at the International Meeting on Wind Hazard Mitigation in Urban Areas*
9. Analytical methods for estimating the wind-induced response of structures, Kyoto, Japan, 23 October 2001, *Invited Lecture at the 5th Asia-Pacific Symposium on Wind Engineering*
10. Integrated procedures in wind ingineering, Kiev, Ukraine, 22 May 2002, *Invited Keynote Lecture at the 3rd East European Conference on Wind Engineering*
11. Dynamic response and aeolic reliability of structures: Analytical methods and integrated procedures, Nantes, France, 4 June 2002, *Invited Lecture at the COST C14 Meeting and Workshop on Impact of wind and storm on city life and built environment*
12. Some recent developments in wind dynamics of large lightweight engineering facilities, Warsaw, Poland, 26 June 2002, *Invited Lecture at the International IASS Symposium on Lightweight Structures in Civil Engineering - Contemporary Problems*
13. Brancusi Endless Column, Romania: dynamic response and reliability under wind loading, Busan, Korea, 22 August 2002, *Invited Lecture at the 2nd International Symposium on Advances in Wind & Structures*
14. Dynamic alongwind response and equivalent static forces, Nagpur, India, February 2004, *Invited Lecture at the 2nd National Conference on Wind Engineering*
15. Wind-induced response and fatigue of structures, Atsugi, Japan, March 2004, *Invited Lecture at the COE Inaugural Seminar on Wind Effects on Buildings and Urban Areas*
16. The International Association for Wind Engineering (IAWE): Past, present and future, New

Delhi, India, October 2004, *Keynote Lecture at the National Workshop on Wind Engineering and Sciences, Indian Society on Wind Engineering.*

17. Wind engineering activities at Genoa University, invited lecture at the *COE Special Seminar on Wind Effects on Buildings and Urban Areas*, Tokyo Polytechnic University, Atsugi, Japan, 11 March 2005.
18. The International Association for Wind Engineering (IAWE): birth, development and perspectives, Prague, Czech Republic, July 2005, *Keynote Lecture at the 4th European & African Conference on Wind Engineering*
19. POD methods and applications in wind engineering, Seoul, Korea, September 2005, *Keynote Lecture at the 6th Asia-Pacific Symposium on Wind Engineering*
20. Wind engineering and wind energy: joint prospects for future cooperations, New Delhi, India, November 2006, *Keynote Lecture at the 5th World Wind Energy Conference & Renewable Energy Exhibition*
21. Advances in wind-excited response and fatigue of structures, San Paolo, Brasil, April 2007, *Keynote Lecture at the 3rd International Workshop on Wind Tunnels*.
22. The Wind Engineering and Structural Dynamics Research Group at the University of Genoa: retrospective, current plans and some prospects, Tokyo, Japan, March 2008, *Invited Lecture at the 3rd International Symposium on Wind Effects on Buildings and Urban Environment: New Frontiers in Wind Engineering*.
23. Lessons from catastrophic events in the evolution of bridge and wind engineering, Malta, October 2008, *Invited Lecture at the International Conference on Urban habitat constructions under catastrophic events*, COST Action C26, Malta.
24. International Association for Wind Engineering and its activity of wind hazard mitigation, Tokyo, March 2009, *Keynote Lecture at the International Conference on Cooperative actions for disaster risk reduction*.
25. Vent et Ports: Le modèle de prevision du vent, Bastia, April 2010, *Keynote Lecture at the Conference Interportuaire Initiale du Project Vent et Ports*.
26. Wind hazard in harbour areas, Tokyo, Japan, March 2011, *Keynote Lecture at the 5th International Symposium on Wind Effects on Buildings and Urban Environment: Wind hazard resilient cities: New challenges*.
27. Integrated procedures in science and wind engineering, Liège, Belgium November 2011, *Keynote Lecture at the 5th International Conference on Advanced Computational Methods in Engineering*.
28. Emerging issues and new scenarios for wind loading on structures, Tokyo, Japan, March 2013, *Invited Lecture at the 6th International Symposium on Wind Effects on Buildings and Structures: Current State-of-the-Art in Wind Engineering and Outlook for the Future*.
29. Wind loading and response of structures in mixed climates, Chennai, India, December 2013, *Keynote Lecture at the 8th Asia-Pacific Conference on Wind Engineering.*
30. Thunderstorm loading and response of structures, Warsaw, Poland, September 2014, *Keynote Lecture at the International Colloquium on Lightweight Structures in Civil Engineering LSCE 2014*.
31. Thunderstorm monitoring, modelling, loading and response of structures, Eindhoven, The Netherlands, April 2015, *Invited Lecture at the Honorary Symposium for Prof. Theodore Stathopoulos: Wind on Buildings and Cities.*
32. Interactions between wind in the atmospheric boundary layer and man and his works on the surface of earth, Istanbul, Turkey, 30 May 2015, *Invited Keynote Lecture at the 5th International 100% Renewable Energy Conference, IRENEC 2015*.
33. Aerodynamic loading and dynamic response of structures in mixed wind climates, Capri,

Italy, 15 June 2016, *Invited Opening Keynote Lecture at the 2016 Stochastic Mechanics & Meccanica Stocastica 2016*.

34. Advances in thunderstorm monitoring, modelling, statistics, simulation, loading and response of structures, Shijiazhuang, China, 9 October 2016, *Invited Lecture at the International Workshop on Bridge and Structure Wind Engineering*.
35. Advances in properties of thunderstorm outflows relevant to the wind loading of structures, Beijing, China, 13 October 2016, *Invited Lecture at the 14th International Symposium on Structural Engineering, ISSE-14*.
36. The role of wind loading in the design and safety of structures, Asuncion, Paraguay, 3 November 2016, *Invited Main Keynote Lecture at the XXXVII Jornadas Sudamericanas de Ingenieria Estructural*.
37. Research advances in thunderstorm downbursts: field measurements, weather survey, laboratory tests, numerical simulations and loading of structures, 27 April 2017, Weimar, Germany, *Invited General Lecture at the International Workshop on Coupled numerical and experimental models in structural engineering*, GRK 1462.
38. Recent advances on thunderstorm outflows by the Windyn research group, 14 October 2017, Chongqing, China, *Keynote Lecture at the International High-end Forum on Structure Engineering and Wind Engineering* (IHFSEWE 2017).
39. Detection, modelling and simulation of thunderstorm outflows and their effects on construction, 5 March 2018, Palermo, Italy, *Invited Lecture at the Workshop on Recent Advances in Mechanics, Dynamical Systems and Probability Theory* (WMDP2018).
40. Experimental and numerical tools for assessing the wind loading of structures due to thunderstorm outflows, 22 June 2018, Seoul, Korea, *Invited Keynote Lecture at the 7th International Symposium on Computational Wind Engineering* (CWE 2018).
41. Experimental and numerical tools for assessing the wind loading of structures due to thunderstorm outflows, 22 June 2018, Seoul, Korea, *Keynote Lecture at the 13th China-Japan-Korea Annual Conference for Wind Engineering* (CHK 2018).
42. Wind engineering and atmospheric sciences: boundaries and co-operations, 6 July 2018, Weimar, Germany, *Invited Lecture at [dis]solving boundaries, Young Bauhaus Research Conference 2018*, Bauhaus-Universität Weimar.
43. Detection, modelling and simulation of thunderstorm downbursts, 4 September 2018, Wiener Neusadt, Austria, *Keynote Lecture at the Workshop on Tornado and Windstorm Damage Assessment, European Severe Storms Laboratory* (ESSL).
44. Mixed climatology, non-synoptic phenomena and downburst wind loading of structures, 12 September 2018, Naples, Italy, *Keynote Lecture at the XV International Conference of the Italian National Association for Wind Engineering* (IN-VENTO 2018).
45. Dynamic response of structures to thunderstorm outflows, 18 October 2018, Chonqing, China, *Keynote Lecture at the International Conference on Base for introducing talents to discipline of high-performance wind energy system and effective operation of wind farm* (HPWES).
46. Detection, simulation, modelling and loading of thunderstorm outflows to design windsafer and cost-efficient structures, 23 October 2018, Changsha, China, *Invited Opening Lecture at the 2018 CSU (Central South University) Wind Engineering International Workshop*.
47. Detection, simulation, modelling and loading of thunderstorm outflows to design windsafer and cost-efficient structures, 11 March 2019, Atsugi, Japan, *Opening Keynote Lecture at the International Workshop on Wind Effects on Buildings and Urban Environment*.
48. Thunderstorm downbursts: monitoring, modelling, simulation and loading of structures, 6

June, 2019, Bucarest, Romania, *Keynote Lecture at the 2nd National Conference on Wind Engineering* (2NCWE 2019, Bucharest, Romania, June 2019).

49. Education in Wind Engineering, 2 September 2019, Beijing, China, *Keynote Panel Discussion Lecture at the 15th International Conference on Wind Engineering*.
50. The new paradigm of thunderstorm downbursts for safe and sustainable development, 25 October, 2019, Paphos, Cyprus, *Keynote Lecture at the International Symposium on Geomechanics and Applications for Sustainable Development, 2019 Sustainable Industrial Processing Summit and Exhibition* (SIPS 2019).
51. Thunderstorm downbursts: from field monitoring to wind-excited response of structures, 23 June 2020, Athens, Greece, *Invited semi-plenary lecture at EURODYN 2020*. Cancelled for health issues.
52. Title to be defined, 25 August 2020, Seoul, South Korea, *Keynote Lecture at the 2020 International Conference on Advances in Wind and Structures* (AWAS). Cancelled for health issues.
53. The new culture of thunderstorm outflows for the safety, durability, sustainability and resilience of structures in an evolving climate, 27 October 2020, Shanghai, China, *Keynote Lecture at the 7th International Symposium on Life-Cycle Civil Engineering* (ALCCE 2020). Cancelled for health issues.
54. The role of the wind in structural safety and sustainability, 30 November 2020, Havana, Cuba, *Keynote lecture at the 5th International Congress on Civil Engineering* (CIIC). Cancelled for health issues.

Italian National Conferences

1. Azioni del vento sulle coperture e problemi normativi, Invited Lecture at the *V Congresso Nazionale dell'Isolamento e della Impermeabilizzazione*, Milano, 24 May 1985.
2. Metodologie per la valutazione degli effetti locali del terreno, Invited Lecture at the Conference *1887 1987: Cento anni di attività sismica nella Liguria Occidentale*, Imperia, 15 October 1987.
3. Azioni ed effetti del vento sulle costruzioni, Invited Lecture at the *XI Congresso del Collegio dei Tecnici dell'Acciaio: Giornate italiane della costruzione in acciaio*, Trieste, 27 October 1987.
4. Evoluzione scientifica e normativa dell'ingegneria del vento nel panorama internazionale, Invited Lecture at the *I venti forti in Italia e le costruzioni*, Roma, 10 November 1989.
5. L'evoluzione storica e scientifica dell'ingegneria del vento, Invited Keynote Lecture at the *I Convegno Nazionale di Ingegneria del Vento*, Firenze, 29 October 1990.
6. Il capitolo 'Wind Loads' dell'Eurocodice n. 1 'Basis of Design and Actions on Structures', Invited Lecture at the *II Convegno Nazionale di Ingegneria del Vento*, Capri, 26 October 1992.
7. Un ricordo di Ottavio Vittori, Invited Lecture at the *III Convegno Nazionale di Ingegneria del Vento*, Roma, 19 Ottobre 1994.
8. I ponti e il vento nel corso dei secoli, Invited Keynote Lecture at the *XV Congresso del Collegio dei Tecnici dell'Acciaio: Giornate italiane della costruzione in acciaio*, Riva del Garda, 17 October 1995.
9. Recenti sviluppi e nuovi strumenti nell'ingegneria del vento, Invited Lecture at the *XIX Congresso del Collegio dei Tecnici dell'Acciaio*, Genova, 30 September 2003.
10. Panorama internazionale sull'ingegneria del vento, Invited Lecture at the Conference *(Non solo) vento*, Camogli, 15 May 2004.

11. La galleria del vento DIFI-DISEG, Invited Lecture at the *Giornata di studio sulle Dispersione di inquinanti in atmosfera: monitoraggio, modellistica fisica e simulazione numerica*, Genova, 18 gennaio 2005.
12. Il ponte sullo Stretto di Messina: vento di progetto ed effetti dinamici, Invited Lecture at the *I Workshop C.I.Di.S. sulla Dinamica delle Strutture*, Messina, 22 February 2005.
13. Forma e aerodinamica tra ingegneria e architettura, Invited Keynote Lecture at the *XXI Congresso del Collegio dei Tecnici dell'Acciaio, CTA*, Catania, October 2007.
14. Il comportamento delle strutture metalliche saldate nei confronti dell'azione del vento, Invited Lecture at the *Workshop su Affidabilità delle strutture e degli impianti, "Giornate Nazionali della Saldatura"*, Genova, May 7, 2013.
15. Inquadramento normativo e ingegneristico, Invited Keynote Lecture al *Convegno Annuale della Sezione "Costruction" dell'Associazione Nazionale di Impiantistica Industriale (ANIMP) "Azioni ed effetti del vento sulle costruzioni"*, Milano, 20 maggio 2016.
16. Azioni ed effetti dei temporali, Invited Lecture al *Convegno Annuale della Sezione "Costruction" dell'Associazione Nazionale di Impiantistica Industriale (ANIMP) "Azioni ed effetti del vento sulle costruzioni"*, Milano, 20 maggio 2016.
17. L'aerodinamica dei corpi tozzi nell'ingegneria del vento e delle costruzioni, Invited Lecture at the *Convegno in Onore di Guido Buresti*, Pisa, 30 maggio 2016.
18. Il ruolo del vento nei grandi attraversamenti marini e fluviali, Invited Lecture at the *Giornata di Studio sui Collegamenti Stabili nel Mediterraneo e Ponte di Messina*, Novedrate, 23 febbraio 2018.
19. Il ruolo del vento nell'ingegneria delle costruzioni, Opening Keynote Lecture at the *Giornate Nazionali della Saldatura* (GNS 10), Genova, 30 maggio 2019.

Annex 5

Giovanni Solari

INVITED LECTURES AT INSTITUTIONS AND ASSOCIATIONS

International Institutions and Associations

1. Statistical analysis of extreme wind speeds, Trieste, 31 May 1990, invited lecture at the course *Modelling of the atmospheric flow fields*, International Centre on Theoretical Physics.
2. Engineering applications of statistical analysis of wind data bases, Trieste, 31 May 1990, invited lecture at the course *Modelling of the atmospheric flow fields*, International Centre on Theoretical Physics .
3. Gust-excited vibrations, Udine, 21-25 September 1992, invited lectures at the course *Wind-excited vibrations of structures*, International Centre for Mechanical Sciences.
4. Statistical analysis of wind data, Trieste, 20 May 1994, invited lecture at the *College on atmospheric boundary layer and air pollution modelling*, International Centre on Theoretical Physics.
5. The actions and effects of wind over the Leaning Tower of Pisa, Copenhagen, 13 December 1994, *invited lecture in the night of Santa Lucia*, at the Danish Society of Science and Engineering.
6. Wind in the atmospheric boundary layer, lecture at the *International Advanced School on Wind-Excited and Aeroelastic Vibrations of Structures*, Genova, June 2000.
7. Wind-excited response of structures, lecture at the *International Advanced School on Wind-Excited and Aeroelastic Vibrations of Structures*, Genova, June 2000.
8. Buildings, chimneys and towers, lecture at the *International Advanced School on Wind-Excited and Aeroelastic Vibrations of Structures*, Genova, June 2000.
9. Frequency-domain analyses, invited lecture at the *Intensive Programme Socrates/Erasmus on Wind Effects on Structures and on the Built Environment*, Florence, 16 July 2001.
10. Analytical methods for structural response and recent activities at Genoa University, 21 October 2001, invited lecture at the *Tokyo Institute of Technology*, Japan.
11. Wind Engineering at Genoa, Italy: Since closed form solution to Brancusi Endless Column, invited lecture co-organised by *UTCB, Universitatea Tehnica de Constructii Bucaresti*, and *INCERC, Institutul National de Cercetare-Dezvoltare in Constructii*, Bucarest, Rumania, 26 April 2002.
12. Large bridge aerodynamics, invited lecture at the *College of Civil Engineering, Tongji University*, Shanghai, China, 20 August 2002.
13. Dynamic approach to wind loading of structures: Alongwind, crosswind and torsional response; closed form solution, Udine, 18-22 September 2006, invited lectures at the course *Wind effects on buildings and design of wind-sensitive structures*, International Centre for Mechanical Sciences.
14. Closed form solutions of the wind-excited response of structures, Tokyo, 5-7 March 2007, invited lecture at the *COE International Advanced School on Wind effects on buildings and urban environment*.
15. Wind-induced fatigue, Tokyo, 5-7 March 2007, invited lecture at the *COE International Advanced School on Wind effects on buildings and urban environment*.
16. Closed form solutions of the wind-excited response of structures, Shanghai, China, 21-23

November 2007, invited lecture at the *COE International Advanced School on Wind resistant design of buildings and structures*.

17. Wind-induced fatigue, Shanghai, China, 21-23 November 2007, invited lecture at the *COE International Advanced School on Wind resistant design of buildings and structures*.
18. Wind-induced fatigue: structural damage, engineering evaluations and new code provisions, Tokyo, 9 March 2010,invited lecture at the *GCOE Special Lecture*.
19. Wind models for safety and management of anthropogenic systems, Tokyo, 6 March 2012, invited lecture at the *Global COE Special Open Seminar*.
20. Emerging issues and new scenarios for wind loading on structures, invited lecture at the *Beijing Jiaotong University*, Beijing, 26 April 2013.
21. The Brancusi Endless Column: A masterpiece of art and engineering, invited lecture at the *Beijing Jiaotong University*, Beijing, 29 April 2013.
22. Wind-induced fatigue of structures, invited lecture at the *Beijing Jiaotong University*, Beijing, 9 September 2013.
23. Alongwind, crosswind and torsional response of strutures, invited lecture at the *Beijing Jiaotong University*, Beijing, 10 September 2013.
24. Vortex-excited response of structures, invited lecture at the *Beijing Jiaotong University*, Beijing, 11 September 2013.
25. Galloping instability of structures, invited lecture at the *Beijing Jiaotong University*, Beijing, 12 September 2013.
26. Flutter of long-span bridges, invited lecture at the *Beijing Jiaotong University*, Beijing, 13 September 2013.
27. 3-D wind-induced response of structures, Kuantan, Malaysia, 11 February 2014, invited presentation at the *GCOE International Advanced School on Wind Engineering*.
28. Vortex-induced response of structures, Kuantan, Malaysia, 11 February 2014, invited presentation at the *GCOE International Advanced School on Wind Engineering*.
29. Wind-induced fatigue of structures, Kuantan, Malaysia, 11 February 2014, invited presentation at the *GCOE International Advanced School on Wind Engineering*.
30. Wind-induced fatigue of structures, invited lecture at the *Southwest Jiaotong University*, Chengdu, China, 9 September 2014.
31. Thunderstorm loading and response of structures, invited lecture at the *Southwest Jiaotong University*, Chengdu, China, 10 September 2014.
32. Thunderstorm monitoring, modelling, response and loading of structures, invited lecture at the *WindEEE Research Institute, University of Western Ontario*, London, Ontario, Canada, 8 November 2014.
33. Thunderstorm monitoring, statistics and loading of structures, invited lecture at the *Faculty of Civil Engineering, Delft University of Technology*, The Netherlands, 17 February 2015.
34. Wind monitoring, simulation and forecast for the safe management of ports and logistic networks, invited lecture at the *EXPO 2015, Feeding the Planet, Energy for Life*, Milan, Italy, 16 June 2015.
35. The projects “Wind and Ports” and “Wind, Ports and Sea”, invited lecture at the *Evento di Lancio del Programma di Cooperazione Italia-Francia Marittimo 2014-2020*, Pisa, Italy, 1 July 2015.
36. Thunderstorm monitoring, modelling, loading and response of structures, invited lecture at the *Faculty of Engineering, University of Nottingham*, Nottingham, U.K., 7 July 2015.
37. Advances in wind engineering: from the safe management of ports to the thunderstorm loading of structures, invited public lecture at the *Faculty of Construction and Environment, The Hong Kong Polytechnic University*, Hong Kong, 25 September 2015.

38. Wind-induced fatigue of structures, invited lecture at the *Beijing Jiaotong University*, Beijing, 28 September 2015.
39. Wind speed statistics, invited lectures at the *Beijing Jiaotong University*, Beijing, 29 and 30 September 2015.
40. Progress and prospects in wind engineering, invited lecture at the *Universidad de la Republica of Montevideo*, Uruguay, 30 November 2015.
41. The role of wind engineering in the evolution of tall buildings, invited lecture at the *Universidad de la Republica of Montevideo*, Uruguay, 3 December 2015.
42. Thunderstorm loading and response of structures, invited lecture at the *Universidad de la Republica of Montevideo*, Uruguay, 8 December 2015.
43. Art, engineering and perfection: the Endless Column by Constatin Brancusi, invited lecture at the *Universidad de la Republica of Montevideo*, Uruguay, 11 December 2015.
44. Art, engineering and perfection: the Endless Column of Constantin Brancusi, invited guest lecture at the *University of Western Ontario*, London, Ontario, Canada, 9 August 2016.
45. Dynamic alongwind, crosswind and torsional response of slender structures, Beijing, China, 11 October 2016, invited lecture at the *13th International Advanced School on Wind Engineering* (IAS13).
46. Thunderstorm loading and response of structures, Beijing, China, 11 October 2016, invited lecture at the *13th International Advanced School on Wind Engineering* (IAS13).
47. Design wind speed: fundamentals, advances and applications, invited lecture at the *Universidad de la Republica of Montevideo*, Uruguay, 10 November 2016.
48. The role of wind loading in structural design: framework, phenomena, tools and codes, invited lecture at the *Universidad de la Republica of Montevideo* for the 30 year anniversary of the foundation of the Institute of Fluid Mechanics and Environmental Engineering, Uruguay, 17 November 2016.
49. Art, engineering, aerodynamics and perfection: the Endless Column of Constantin Brancusi, *Technical University of Civil Engineering of Bucharest*, Romania, at the awarding ceremony of honorary "Doctor Honoris Causa", 13 December 2016.
50. Brancusi Endless Column: A masterpiece of art and engineering, invited lecture at the *Institutul National al Patrimoniului*, *Ministerul Culturii*, Bucharest, Romania, 14 December 2016.
51. The role of wind loading in structural design: framework, phenomena, tools and codes, invited lecture at the *Technical University of Civil Engineering of Bucharest*, Romania, 14 December 2016.
52. The role of wind engineering in the evolution of tall buildings, invited lecture at the *Technical University of Civil Engineering of Bucharest*, Romania, 14 December 2016.
53. THUNDERR: an ERC Project for the "detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures", invited guest lecture at the *University of Western Ontario*, London, Ontario, Canada, 8 August 2017.
54. Progress and prospects in Wind Engineering, invited lecture at the *Beijing Jiaotong University*, Beijing, China, 11 October 2017.
55. Introduction of state-of-the-art technique on exploration of wind speed data, invited lecture at the *Chongqing University*, China, 16 October 2017.
56. Dynamic alongwind, crosswind and torsional response of slender structures, Chongqing, China, 17 October 2017, invited lecture at the *15th International Advanced School on Wind Engineering* (IAS15).
57. Thunderstorm loading and response of structures, Beijing, China, 17 October 2017, invited lecture at the *15th International Advanced School on Wind Engineering* (IAS15).

58. THUNDERR: an ERC AdG Project for the “detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures”, invited lecture at the *University of Birmingham*, Birmingham, UK, 13 December 2017.
59. THUNDERR: an ERC AdG Project for the “detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures”, invited lecture at the *University of Trondheim*, Trondheim, Norway, 5 April 2018.
60. Detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures, invited lecture at the *University of Trento*, Trento, Italy, 18 May 2018.
61. Dynamic alongwind, crosswind and torsional response of slender structures, Chongqing, China, 20 October 2018, invited lecture at the *16th International Advanced School on Wind Engineering* (IAS16).
62. Thunderstorm loading and response of structures, Chongqing, China, 21 October 2018, invited lecture at the *16th International Advanced School on Wind Engineering* (IAS16).
63. Mixed climatology, non-synoptic phenomena and downburst wind loading of structures, invited lecture at the *Tamkang Univeristy*, Taipei, Taiwan, 25 October 2018.
64. The wind engineer, Genova, Italy, 23 February 2019, Invited Talk at TEDxGenova.
65. Thuderstorm monitoring, modelling, loading and response of structures, Invited Lecture at the *University of Western Ontario*, London, Ontario, Canada, 26 July 2019.
66. The wind engineer, 26 September 2019, Arenzano, Genova, Italy, *Invited Lecture at the Metinvest Western Europe (MWE) Sales Conference 2019*.

Italian National Institutions and Associations

1. Azioni ed effetti del vento sul territorio antropizzato, *conferenza organizzata dalla Società degli Ingegneri e degli Architetti di Torino*, Torino, 9 April 1987.
2. Ingegneria del vento: definizione del vento e suoi effetti sulle costruzioni, *ciclo di conferenze-dibattito organizzato dal Centro di Sperimentazione dei Materiali e delle Costruzioni di Cagliari, dall'Associazione Italiana Cemento Armato e Precompresso (Sede Regionale della Sardegna) e dall'Associazione Nazionale per l'Ingegneria del Vento*, Cagliari, 13-14 May 1988.
3. La torre e il vento, Milano, *relazione nell'ambito della visita tecnica alla Torre del Parco di Milano - Torrebranca, organizzata dal Collegio dei Tecnici dell'Acciaio,* 23 November 1988.
4. Fenomeni aerolastici nell'ingegneria delle strutture, *seminario organizzato dal Dipertimento di Ingegneria Strutturale e Geotecnica dell'Università di Roma "La Sapienza"*, Roma, 13 June 1990.
5. Analisi della risposta dinamica dell'oscillatore semplice lineare nel dominio del tempo e della frequenza, *seminario presso il Dipartimento di Strutture dell'Università della Calabria*, Cosenza, 24 January 1991.
6. I ponti e il vento: nel corso degli anni, un rapporto difficile, *seminario presso il Dipartimento di Strutture dell'Università della Calabria*, 3 May 1991.
7. Da Babele all'Illinois: L'evoluzione delle costruzioni alte, *ciclo di conferenze presso l'Università della Calabria,* Cosenza, 13 December 1991.
8. Da Babele all'Illinois: L'evoluzione delle costruzioni alte, *ciclo di conferenze organizzate dall'Istituto di Scienza delle Costruzioni e dalla Facoltà di Ingegneria dell'Università di Genova, con il patrocinio dell'Ordine degli Ingegneri della Provincia di Genova e dall'Ordine degli Architetti di Genova e La Spezia,* Genova, 24, 31 January and 7 February 1992.

9. L'evoluzione storica delle costruzioni alte, *conferenza presso l'Istituto S. Dorotee*, Genova, 19 February 1992.
10. L'evoluzione storica delle costruzioni alte, *conferenza presso l'Istituto Champagnat*, Genova, 26 March 1992.
11. Da Babele all'Illinois: L'evoluzione delle costruzioni alte, *ciclo di conferenze organizzate dall'Ordine degli Ingegneri della Provincia di Savona*, Savona, 29 January and 5 February 1993.
12. Analisi di rischio eolico della Torre di Pisa, *seminario nell'ambito del dottorato di ricerca in ingegneria sismica, presso il Dipartimento di Ingegneria Strutturale del Politecnico di Milano,* Milano, 16 June 1994.
13. L'ingegneria del vento: Un'antica modernissima scienza, *conferenza inaugurale del Ciclo di conferenze di analisi e progettazione strutturale organizzato dalla Facoltà di Architettura dell'Università di Reggio Calabria* Reggio Calabria, 19 April 1995.
14. L'ingegneria del vento: Un'antica modernissima scienza, *ciclo di conferenze organizzate dall'Istituto di Scienza delle Costruzioni e dalla Facoltà di Ingegneria dell'Università di Genova, con il patrocinio dell'Ordine degli Ingegneri della Provincia di Genova, dall'Ordine degli Architetti di Genova e La Spezia e della Regione Liguria,* Genova, 27 April and 4 May 1995.
15. L'ingegneria del vento: Un'antica modernissima scienza, *conferenza organizzata dal Politecnico di Bari, con il patrocinio dell'Ordine degli Ingegneri della Provincia di Bari,* Bari, 23 November 1995.
16. La sicurezza delle strutture all'azione del vento, *seminario presso il Dipartimento di Meccanica Strutturale nell'ambito dei corsi di dottorato*, Pavia, 28 March 1996.
17. I ponti e il vento nel corso dei secoli, *conferenza presso il Rotari Club di Genova Ovest,* Genova, 15 May 1996.
18. Uomo, ambiente e strutture: L'ingegneria del vento, una scienza fra passato e futuro, *Conferenza presso la Facoltà di Ingegneria dell'Università di Napoli Federico II*, Napoli, 13 June 1996.
19. I ponti e il vento nel corso dei secoli, *conferenza presso il Lions Club Genova Host,* Genova, 14 November 1996.
20. I ponti e il vento nel corso dei secoli, *conferenza presso l'ICOSAEDRO,* Genova, 16 January 1997.
21. Evoluzione delle grandi Costruzioni: dalla Torre di Babele ai Giganti Decò, *Conferenza organizzata dal CE.S.MA.COS. nell'ambito del Corso di Specializzazione in Costruzioni di Cemento Armato,* Cagliari, 2 May 1997.
22. Le torri contemporanee e future: Ingegneria del vento e controllo strutturale, *Conferenza organizzata dal CE.S.MA.COS. nell'ambito del Corso di Specializzazione in Costruzioni di Cemento Armato,* Cagliari, 2 May 1997.
23. L'analisi dinamica delle strutture mediante doppia trasformazione modale, *Seminario organizzato dalla III Università di Roma*, Roma, 14 May 1998.
24. I ponti e il vento nel corso dei secoli, *Conferenza organizzata dalla III Università di Roma*, Roma, 14 May 1998.
25. L'evoluzione delle costruzioni alte nel corso dei secoli, Bari, 3 May 1999.
26. L'evoluzione delle costruzioni alte nel corso dei secoli, *Conferenza organizzata dal Rotari Club di Novi Ligure*, Novi Ligure, 22 October 1999.
27. Azioni ed effetti del vento sul territorio antropizzato, *Conferenza presso la Facoltà di Lettere e Filosofia, Università di Genova*, 18 November 1999.
28. L'ingegneria del vento a Genova e nel mondo: nuove offerte didattiche e prospettive di la-

voro, *Conferenza presso l'Ordine degli Ingegneri della Provincia di Genova*, Genova, 10 May 2000.

29. L'ingegneria del terzo millennio, *Conferenza organizzata dalla Facoltà di Ingegneria dell'Università di Genova presso il Salone Formula 2000*, Genova, 7 november 2000.
30. Ingegneria ai limiti del possibile: l'evoluzione delle costruzioni alte nel corso dei secoli, *Conferenza organizzata dall'Università di Napoli*, Napoli, 6 April 2001.
31. Il ruolo del vento nell'evoluzione dei ponti, *Conferenza organizzata dall'Università di Cagliari in occasione della Giornata di studio in ricordo del Prof. Ettore Pozzo*, Cagliari, 25 May 2001.
32. Ricerca, applicazioni e didattica nell'ingegneria del vento, *Conferenza in occasione dell'Inaugurazione dei Magazzini dell'Abbondanza di Genova*, Genova, 26 March 2002.
33. Il vento di progetto sul ponte sullo Stretto di Messina, *Relazione alla Tavola Rotonda in occasione delle Giornate Nazionali di Saldatura 3*, 27 October 2005.
34. I ponti e il vento nel corso della storia, *Lezione Magistrale di Ingegneria Civile presso l'Università della Calabria*, 8 febbraio 2007.
35. Edifici alti: evoluzione di forma e aerodinamica per le nuove sfide, *Lezione ad invito nella Giornata Inaugurale del Master Internazionale di II livello in Design of Steel Structures*, Facoltà di Ingegneria, Università di Napoli Federico II, 11 marzo 2008.
36. Forma e aerodinamica nell'evoluzione architettonica e strutturale dei grattacieli, *Tornata pubblica a classi riunite presso l'Accademia Ligure di Scienze e Lettere*, Genova, 3 aprile 2008.
37. I ponti e il vento nel corso della storia: le lezioni del passato, *Conferenza presso la Facoltà di Ingegneria dell'Università degli Studi di Genova*, 24 aprile 2008.
38. I ponti e il vento nel corso della storia: recenti tendenze e prospettive future, *Conferenza presso la Facoltà di Ingegneria dell'Università degli Studi di Genova*, 24 aprile 2008.
39. I ponti e il vento nel corso della storia, *Conferenza presso la Facoltà di Ingegneria della Università degli Studi di NapoliFederico II*, 13 maggio 2008.
40. I ponti e il vento nel corso della storia, *Conferenza al 60° Corso di orientamento universitario della Scuola Normale di Pisa*, San Miniato, 10 settembre 2008.
41. Forma e aerodinamica nell'evoluzione architettonica e strutturale dei grattacieli, *Conferenze a Ingegneria, Facoltà di Ingegneria, Università di Pisa*, 16 ottobre 2008.
42. Forma e aerodinamica nell'evoluzione architettonica e strutturale dei grattacieli, *Conferenza al 65° Corso di orientamento universitario della Scuola Normale di Pisa*, San Miniato, 9 settembre 2009.
43. Il ruolo dell'aerodinamica nel progetto delle grandi strutture, *Conferenza nella Giornata di studio su "La moderna ingegneria strutturale tra innovazione e tradizione"*, Aversa, 27 ottobre 2009.
44. I ponti e il vento nel corso della storia, *Conferenza presso l'Ordine degli Ingegneri della Provincia di Bergamo*, 1 marzo 2010.
45. Origine e sviluppi del controllo aerodinamico delle costruzioni, *Conferenza al 70° Corso di orientamento universitario della Scuola Normale di Pisa*, San Miniato, 8 settembre 2010.
46. Problemi ed esperienze nella dinamica delle costruzioni e nell'ingegneria del vento, Conferenza presso ARUP Italia, Milano, 18 gennaio 2011.
47. Lo sviluppo tecnico-scientifico del Progetto Vento e Porti, *Primo Seminario Intermedio del Progetto Vento e Porti*, Palazzo San Giorgio, Autorità Portuale, Genova, 7 ottobre 2011.
48. Lo sviluppo tecnico-scientifico del Progetto Vento e Porti, *Secondo Seminario Intermedio del Progetto Vento e Porti*, Camera di Commercio, La Spezia, 25 ottobre 2011.
49. Vento e Porti: La previsione del vento per la gestione e la sicurezza delle aree portuali,

Conferenza al Festival della Scienza: 150 e oltre, Facoltà di Ingegneria, Genova, 26 ottobre 2011.

50. Lo sviluppo tecnico-scientifico del Progetto Vento e Porti, *Terzo Seminario Intermedio del Progetto Vento e Porti*, Autorità Portuale, Livorno, 22 novembre 2011.
51. L'Ingegneria del Vento a Genova, inGEnium, *L'ingegneria genovese nel mondo*, Genova, 20 aprile 2012.
52. Scienza, ingegneria e architettura del vento, Ciclo di conferenze su *Ambiente & Architettura: stimoli e vincoli per la progettazione strutturale*, Università degli Studi di Salerno, Facoltà di Ingegneria, 9 maggio 2012.
53. Lo sviluppo tecnico-scientifico del Progetto Vento e Porti, *Conferenza conclusiva del Progetto Vento e Porti*, Autorità Portuale, Genova, 22 giugno 2012.
54. Arte e ingegneria: La Colonna Infinita di Brancusi. *Lectio Magistralis per l'inaugurazione del Master on Design of steel structures, Anno accademico 2012/2013*, Università di Napoli Federico II, 6 novembre 2012.
55. Il ruolo della dinamica e dell'aerodinamica nell'evoluzione delle costruzioni alte, *Master in Edifici alti*, Politecnico di Torino, 10 gennaio 2013.
56. Arte, ingegneria e perfezione: la colonna dell'infinito, *Conferenza al 84° Corso di orientamento universitario della Scuola Normale di Pisa*, San Miniato, 3 settembre 2013.
57. Arte, ingegneria e perfezione: la colonna dell'infinito, *Conferenza al Rotary Club*, Genova, 7 novembre 2013.
58. Forma e aerodinamica nell'evoluzione delle costruzioni alte, *Conferenza all'Università della Terza Età*, Genova, 27 gennaio 2015.
59. Arte, ingegneria e perfezione: la Colonna Senza Fine di Constantin Brancusi, *Lectio Magistralis all'inaugurazione dell'Anno Accademico 2016, Solenne Tornata Pubblica a Classi Riunite, Accademia Ligure di Scienze e Lettere*, Genova, 5 aprile 2016.
60. Scienza e ingegneria del vento nel corso della storia, *Conferenza alla Scuola Politecnica, Università di Genova, Centro di documentazione LOGOS*, 21 aprile 2016.
61. Presentazione e Inaugurazione del Progetto Europeo ERC AdG THUNDERR: Detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures, *University of Genova*, Genova, 5 ottobre 2017.
62. Inquadramento generale e normative, Corso su "Azioni ed effetti del vento sulle costruzioni", *Ordine degli Ingegneri della Provincia di Genova*, 13 aprile 2018.
63. Temporali e applicazioni, Corso su "Azioni ed effetti del vento sulle costruzioni", *Ordine degli Ingegneri della Provincia di Genova*, 10 maggio 2018.
64. Misura, modellazione e simulazione dei temporali, Evento finale del Progetto San Paolo "Monitoraggio, simulazione e previsione del vento per la gestione intelligente e la sicurezza dei sistemi portuali, urbani e territoriali", *University of Genova*, 28 febbraio 2019.
65. Il ruolo del vento nell'evoluzione dei ponti, Ciclo di convegni sull'Ingegneria dei ponti: ieri, oggi, domain, *Università degli Studi della Campania Luigi Vanvitelli, Ordine degli Ingegneri della Provincia di Caserta*, Caserta, 22 marzo 2019.
66. Come si concilia l'Open Access con il mandato H2020: Il punto di vista di un coordinatore area STM, Aperto per chi ? Gli attori della comunicazione scientifica e l'Open Access, *University of Genova*, 21 ottobre 2019. Cancelled for meteorological alert.
67. Scienza e Ingegneria del Vento: una storia incominciata al Cassini. *Liceo Scientifico Cassini*, Genova, 4 febbraio 2020. Cancelled for health issues.

Annex 6

Giovanni Solari

REVIEW AND SELECTION PANELS

Books and Publishers

1. *Techno Press*, Seoul, Korea
2. *John Wiley & Sons*, New York, N.Y.
3. *Spon Press*, London, U.K.
4. *CRC Press*, Bergen, Norway
5. *Springer*, Switzerland
6. *Oxford University Press*, U.K.

Papers and Journals

1. *Journal of Structural Engineering*, ASCE, New York
2. *Journal of Engineering Mechanics*, ASCE, New York
3. *Journal of Wind Engineering and Industrial Aerodynamics*, Elsevier, The Netherlands
4. *European Journal of Earthquake Engineering*, Patron, Italy
5. *Journal of Structural Engineering and Mechanics*, Techno Press, Korea
6. *Journal of Structural Control*, The Bullettin of ACS
7. *Wind & Structures*, An International Journal, Techno Press, Korea
8. *Journal of Vibration and Control*, Sage Science Press
9. *Meccanica*, Kluwer
10. *Costruzioni Metalliche*, ACS-ACAI, Italy
11. *Probabilistic Engineering Mechanics*, Elsevier, UK
12. *Journal of Fluids and Structures*, Academic Press, UK
13. *International Journal of Numerical Methods for Heat and Fluid Flow*
14. *Nonlinear Dynamics*, Springer
15. *Engineering Structures*, Elsevier, UK
16. *Advances in Structural Engineering*, A Multi-Science Publication, UK
17. *Indian Journal of Engineering & Materials Sciences*, India
18. *Journal of Wind and Engineering*, India
19. *Journal of Nonlinear Mechanics*, Elsevier
20. *Journal of Zhejiang University – SCIENCE A*
21. *Journal of Structural Control and Health Monitoring*
22. *Natural Hazards*
23. *Internation Journal of High-Rise Buildings*
24. *Advances in Meteorology*
25. *Mathematical Problems in Engineering*
26. *Journal of Sound and Vibrations* – Elsevier
27. *Engineering and Computational Mechanics*
28. *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering*
29. *Journal of Vibration and Control*
30. *Journal of Sustainable Cities and Society*
31. *Journal of Shock and Vibration*

32. Natural Hazards and Earth System Sciences
33. Journal of the South African Institution of Civil Engineering
34. *Engineering Applications of Computational Fluids Mechanics*
35. *Safety Science, Elsevier*
36. *The Open Statistics and Probability Journal*
37. *Boundary Layer Meteorology*
38. *Physics of Fluids*
39. *Structural Safety*
40. Computer-Aided Civil and Infrastructure Engineering

Research, Academy, Grant Award and other Institutions

1. *National Science Foundation*, Washington, U.S.A.
2. *University Grants Committee of Hong Kong*, Hong Kong
3. *City University of Hong Kong*, Hong Kong
4. *Italian Ministry for University and Research*, Italy
5. *Australian Research Council*, Australia
6. *The Science and Technology Foundation of Japan*, Japan
7. *The University of Electro-Communications*, Chofu, Tokyo, Japan
8. *The University of Adelaide, Australia*
9. *Japan Society for the Promotion of Science*, Japan
10. *Politecnico di Torino*, Italy
11. *Tongji University*, Shanghai, China
12. *Australian Institute of Building*, Canberra, Australia
13. *University College Cork, Science Foundation Ireland*, Ireland
14. *Ecole Polytechnique Federale de Lausanne*, Lausanne, Switzerland
15. *Texas Tech University*, Texas, U.S.
16. *Northeastern University*, Boston, Massachussets, U.S.
17. *American Society for Civil Engineers* (ASCE), New York, U.S.
18. College of Engineering, Lubbock, Texas, U.S.
19. School of Mechanical Engineering, University of Adelaide, Australia
20. International Association for Wind Engineering
21. University of Florida, Florida, U.S.
22. European Research Council (ERC), Brussel, Belgium
23. Canadian Society for Civil Engineering (CSCE)
24. Natural Sciences and Engineering Research Council of Canada (NSERC)
25. Research Grants Council (RGC), Hong Kong
26. The Hong Kong Polytechnic University, Hong Kong
27. University of Western Ontario, London, Ontario, Canada
28. Canada Research Chairs (CRC), Ottawa, Canada
29. The Hong Kong University of Science and Technology, Hong Kong
30. Professional Engineers Ontario, Canada
31. University of Sydney, Australia
32. Ryerson University, Toronto, Ontario, Canada
33. University of Loughborough, Loughborough, U.K.
34. Norwegian University of Science and Technology, NTNU, Trondheim, Norway
35. University of Texas, Dallas, US
36. Government of Canada, Ottawa, Canada

37. Australasian Fluid Mechanics Society, Australia
38. University of Aarhus, Denmark
39. University of Buffalo, New York, US*Royal Society of Canada*
40. University of Bristol, Bristol, UK
41. University of Florence, Italy
42. Bauhaus-Universitat Weimar, Germany

Giovanni Solari

RESPONSIBILITY OF FINANCED PROJECTS AND INDUSTRIAL INNOVATIONS

Giovanni Solari has been the responsible for many research projects and contracts whose income - over 7,5M € – has been reinvested in research, Post-Doc positions and instruments. The wind tunnel of UNIGE, opened in 2008, was realized under GS's leadership, investing over 0.5 M€ of his own research contracts, and managing private and public funds for over 1.0 M€. It created new research activities and industrial services.
GS was a co-founder and co-responsible of the Meteo-Hydrological Centre of Liguria Region. Inspired by synergetic meteorological, climatologic and hydrological skills, it is a main patrimony of Liguria and a key pole of the Italian Protection Service.
In 2006, on behalf of the Italian Railway Company (RFI), GS coordinated the wind hazard analysis of the Italian high-speed railway network. Carried out in the framework of the European project "Aerodynamics in Open Air", it established a common background for safe and free rail circulation in Europe. RFI first used GS's team results to place windbreaks along the most critical sections of the railway lines. Then, it applied the real time forecast system created by GS's team, with good performances and large savings.
The European project Wind & Ports (2009-2012), of which GS was the scientific responsible, realized a monitoring network, statistical wind maps, medium- and short-term wind forecasts, and a novel web-based GIS through which the main port authorities of North Tyrrhenian Sea manage the safety and plan their activities.
The European project Wind, Ports & Sea (2013-2015), of which GS is the scientific responsible, continues the previous project with the aim of developing an integrated in situ wind and wave monitoring and forecast system for the safe access of ships to ports. The success and impact of these projects have been so large that many Italian and foreign port authorities are evaluating the possibility of adopting this system.
In 2012, GS took part in a team that supported the Italian Sailing Team at London Olympic Games with regard to the forecasting of the wind fields on the competition area.
The ERC AdG THUNDERR project (2017-2022) aims to detect thunderstorm otflows, to create a database of recording and weather scenarios, to conduct unprecedented laboratory tests and numerical simulations, to formulate a ground-breaking thunderstorm model for atmospheric sciences and structural design, to change the format of wind actions, of engineering practice, and of regulatory frameworks, making buildings safer and more sustainable, and creating a deep impact on society and its economy.

European Research Projects

1. *Wind and Ports*, European Territorial Cooperation Objective, Cross-border Program Italy-France Maritime 2007-2013, grant No. B87E09000000007, 2009-2011, 540.000 Euro.
2. *Wind, Ports and Sea*, European Territorial Cooperation Objective, Cross-border Program Italy-France Maritime 2007-2013, grant No. B82F13000100005, 2013-2015, 408.500 Euro.
3. *Residual additional funds to Wind, Ports and Sea*, European Territorial Cooperation Objective, Cross-border Program Italy-France Maritime 2007-2013, grant No. B82F13000100005, 2015, 142.093 Euro.
4. *Coherent additional funds to Wind, Ports and Sea*, European Territorial Cooperation Objective, Cross-border Program Italy-France Maritime 2007-2013, grant No. B82F13000100005, 2015,

100.788 Euro.

5. *THUNDERR: Detection, simulation, modelling and loading of thunderstorm outflows to design wind-safer and cost-efficient structures*, European Research Council (ERC), Advanced Grant (AdG) 2016, grant agreement No. 741273, 2017-2022, 2.396.644 Euro.

Italian Research Projects

1. *Wind response spectrum*, CNR, 1987, Italian Lire 6.000.000
2. *Protection of structures against environmental forces*, MPI, 1987/1988, Lire 5.000.000
3. *Statistical analysis of aeolic events*, MPI, 1988/1989, Lire 15.000.000
4. *Wind: reliability and structural design in Italy*, MURST, 1989-1990, Lire 70.000.000
5. *Non-linear response of structures to wind actions*, MURST, 1990, Lire 15.000.000
6. *Wind actions and effects on built environment and structures*, MURST, 1991-1993, Lire 70.000.000
7. *Control of structures exposed to random loads*, MURST, 1992/1993, Lire 37.000.000
8. *Methods for structural identification*, MURST, 1992, Lire 15.363.000
9. *Statistical analysis of Italian extreme winds*, MURST, 1993, Lire 10.429.000
10. *Wind, structures and environment: design, control and codes*, MURST, 1994-1996, Lire 56.000.000
11. *Dynamic analysis of base isolated structures*, MURST, 1994, Lire 9.750.000
12. *Wind-excited response of structures*, Genoa University, 1995/1996, Lire 40.000.000
13. *Wind response and reliability of structures*, Genoa University, 1997, Lire 20.000.000
6. *Seismic behaviour of bridges with aseismic devices*, GNDT, 1997/1998, Lire 60.000.000
7. *Modelling and evaluation of the wind-induced response of structures*, Genoa University, 1997, Lire 24.000.000
8. *Modelling and evaluation of the wind-induced response of structures*, MURST, 1997/1998, Lire 85.000.000
9. *Experimental analysis of the wind-induced response of structures*, Genoa University, 1998, Lire 16.000.000
10. *Wind response and aeroelasticity of structures*, Genoa Uniiversity, 1999, Lire 60.000.000
11. *Wind response and aeroelasticity of structures*, MURST, 1999/2000, Lire 105.000.000
12. *Structural analysis by POD*, Genoa University, 2000, Lire 40.000.000
13. *Dynamic behaviour and reliability of structures under wind and other environmental forces*, MIUR & Genoa University, 2001, Lire 200.000.000
14. *Historical heritage and natural risk mitigation*, Genoa University, 2002, 1200 Euro
15. *Advanced models of complex systems interacting with the wind*, University of Genoa, 2003, 23.630 Euro
16. *The safety of structures under wind actions*, National Research Council, 2003, 36.152 Euro
17. *Dynamics, experimentation and safety of structures to wind*, MIUR & Genoa University, 2003/2004, 46.400 Euro
18. *The safety of structures under wind actions*, National Research Council, 2004, 52.550 Euro
19. *Dynamic response and monitoring of structures and models exposed to wind*, MIUR & Genoa University, 2006/2007, 57.750 Euro
20. *The safety of structures under wind actions*, National Research Council, 2007, 36.152 Euro
21. *Actions, dynamic response and reliability of structures subjected to natural and anthropical phenomena: modelling and experimentation*, MIUR & Genoa University, 2008/2009, 51.450 Euro.
22. *Actions, response, reliability, experimentation and identification in the dynamic behaviour*

of wind-excited structures, MIUR, 2011, 53.212 Euro.
23. *The safety of structures under wind actions*, National Research Council, 2012, 15.192 Euro
24. *Wind monitoring, simulation and forecasting for the smart management and safety of port, urban and territorial systems*, Fondazione San Paolo, 2016-2018, 180.000 Euro.
25. *Measurement and representation of wind actions and effects on structures*, PRIN 2015, 2016-2019, 43.985 Euro.

International Advanced Schools

1. *International Advanced School on Wind-Excited and Aeroelastic Vibrations of Structures*, European Commission, Genoa University, 2000, Lire 47.917.000

Conferences and Courses

2. *2nd European & African Conference on Wind Engineering*, Genoa University, Liguria Region, MURST, CNR, private and public agiencies, 1997, Italian Lire 165.335.000
3. *International Workshop on Wind Energy & Landscape*, Genoa University, Liguria Region, private and public agiencies, 1997, Lire 34.552.000
4. *6th Italian Conference on Wind Engineering*, Genoa University, Liguria Region, Province of Genoa, MURST, 2000, Lire 19.500.000
5. *19th Congress on Steel Structures*, CTA, Genoa University, 2003, 3.500 Euro.

Research Contracts

1. *Realisation of a monitoring system for intense rain, forecast and alarm in Liguria*, Liguria Region, 1995-1997, Lit. 27.000.000
2. *Wind actions on poles and monotubular towers*, ACS-ACAI, 1996/1997, Lit. 119.000.000
3. *Statistical and climatological activities related to the Meto-Hydrological Centre of Liguria Region (CMIRL)*, Liguria Region, 1997/1998, Lit. 268.000.000
4. *Civil protection activities related to CMIRL*, Liguria Region, 1998/1999, Lit. 270.000.000
5. *Wind climate study of the Harbour of Vado Ligure*, Automar, 1998/1999, Lit. 38.400.000
6. *Civil protection activities related to CMIRL*, Liguria Region, 1999/2000, Lit. 350.000.000
7. *Civil protection activities related to CMIRL*, Liguria Region, 2000/2001, Lit. 220.000.000
8. *Civil protection activities related to CMIRL*, ARPAL, 2001/2002, Lit. 179.500.000
9. *Wind climate analysis in ex-Breda area, Milan*, Fintecna 2001/2002, Lit. 20.000.000
10. *Wind climate at the thermoelectric power station of La Spezia*, Enelpower, 2002, 25.000 Euro
11. *Wind climate and wind-induced effects concerning the thermoelectric power station of La Casella, Piacenza*, Enelpower, 2002, 45.000 Euro
12. *Wind turbulence modeling at Albenga Airport*, ENAV, 2002, 18.000 Euro
13. *Structural vibrations before constructing a new railway*, FELSILAB, 2004, 17.500 Euro
14. *Dynamic wind-excited response of VEGA at soil*, AVIO, 2005, 20.000 Euro
15. *Wind-excited response of a footbridge at Palermo*, Comune di Palermo, 2005, 28.000 Euro
16. *Study and analysis of the wind direction and intensity at the Rome-Naples HS/HC railway line*, Rete Ferroviaria Italiana S.p.A., 2005-2006, 181.000 Euro
17. *Study and analysis of the wind direction and intensity at the Rome-Naples HS/HC railway line*, Rete Ferroviaria Italiana S.p.A., 2006, 36.000 Euro
18. *Design wind speed at the historical quarter of Milan Fair area*, City Life, 2006, 63.000 Eu-

ro

19. *Assistance to the development of the project "Aerodynamic in Open Air",* Rete Ferroviaria Italiana S.p.A., 2007, 13.750 Euro
20. *Design wind speed at Genova Exhibition area*, Seteco Ingegneria, 2007, 18.500 Euro
21. *Study and analysis of the wind direction and intensity at HS/HC Italian railway line*, Italcertifer, 2008, 213.500 Euro
22. *Design wind speed at Reggio Emilia HS railway line*, Seteco Ingegneria, 2009, 20.000 Euro
23. *Design wind speed at Nuvola of Fuxas, Eur, Roma*, Condotte, 2009, 20.000 Euro
24. *Bridge code of practice,* ANAS, Roma, 2009, 80.000 Euro
25. *Review of the design wind speed and evaluation of the design overturning moments at the base of the Isozaki Tower*, Milan, CityLife, 2010, 24.000 Euro
26. *Wind field statistics and pedestrian environment on Erzelli Hill, Genova,* Genova HighTech, 2010, 85.000 Euro
27. *Wind-excited response of the footbridge over Viale Serra, Milano*, Auredia, 2010, 70.800 Euro
28. *Wind field statistics and pedestrian environment in Portello Quartier, Milano,* Auredia, 2010, 33.000 Euro
29. *Wind actions and effects on the Sail Market Canopy in Piazza Portello, Milano*, Auredia, 2010, 58.000 Euro
30. *Wind actions and effects on the Table Canopy in Piazza Portello, Milano*, Auredia, 2010, 28.600 Euro
31. *Pedestrian-excited response of the footbridge over Via De Gasperi, Milano,* Auredia, 2011, 20.000 Euro
32. *Wind-excited response and aeroelasticity of the Building 12, Varesine, Milano,* ARUP, 2011, 26.000 Euro.
33. *Aerodynamic behaviour of the tubular elements of the Building 12, Varesine, Milano*, Hines, 2011, 36.000 Euro.
34. *Wind-excited response and aeroelasticity of the Building 11, Varesine, Milano,* ARUP, 2011, 14.000 Euro.
35. *Wind-excited response and aeroelasticity of the Marchetti Viaduct*, Ativa, 2011, 75.000 Euro.
36. *Up-to-date analysis of the wind-excited response of the footbridge over Viale Serra, Milano*, Auredia, 2011, 7.000 Euro
37. *Comfort of the terraces of Varesine, Milan*, Hines, 2011, 52.000 Euro.
38. *Wind and wave measurement for the OWCM system.* Risorse per l'Ambiente, 2011, 16.000 Euro.
39. *Wind tunnel tests on wind turbines.* Risorse per l'Ambiente, 2011, 25.000 Euro.
40. *Forecasting and statistical study of the meteo-marine parameters for the sail competitions of the Italian National Team at the Olympic Games of Wiymouth, London, 2012*, Italian Sail Federation (FIV), 5.000 Euro.
41. *Monitoring and identification of the footbridge over Viale De Gasperi with a TMD system*, Ipermontebello, 2012, 8.000 Euro.
42. *Monitoring and identification of the footbridge over Viale Serra*, Ipermontebello, 2012, 25.000 Euro.
43. *Wind analysis for evaluating the safety and the operativity of the SST telescope in Serra La Nave, Catania*, INAF, 2012, 43.560 Euro.
44. *Prosecution of Wind and Ports*, Port Authority of Savona, 2012-2017, 24.910 Euro.
45. *Wind analysis for the installation of the CTA telescope in Aar, Namibia*, INAF, 2013, 29.500 Euro.

46. *Wind analysis for the installation of the CTA telescope in Cerro Amazones, Chile*, INAF - IASF, 2013, 32.300 Euro.
47. *Wind actions and effects on the roofing of the ILVA mineral park, Taranto, Italy*, Cimolai, 2014, 78.000 Euro.
48. *Wind analysis for the installation of the CTA telescope in La Palma, Canarie, Spain*, INAF - IASF, 2014, 36.000 Euro.
49. *Wind actions and effects on the roofing of the ILVA coalpit park, Taranto, Italy*, Cimolai, 2015, 24.000 Euro.
50. *Wind climate at the Hadid Tower, Milan, Italy*, MZA Structural Engineering, 2015, 5.000 Euro.
51. *Wind actions and effects on the Milis Greenhouse, Sardinia*, Ing. Arnaldo Bagnato, 2016, 31.000 Euro.
52. *Container overturning due to wind actions at VTE, Genova, Italy*, VTE, 2016, 35.000 Euro.

Research laboratories

1. *Realisation of a wind tunnel at the Faculty of Engineering, University of Genova*, Ing. Vittorio Malacalza, 2007, 25.000 Euro
2. *Realisation of a wind tunnel at the Faculty of Engineering, University of Genova*, Camera di Commercio di Genova, 2007, 10.000 Euro
3. *Realisation of a wind tunnel at the Faculty of Engineering, University of Genova*, Compagnia di San Paolo, 2008, 150.000 Euro
4. *Realisation of a wind tunnel at the Faculty of Engineering, University of Genova*, Industriali Liguria, 2008, 5.000 Euro
5. *Realisation of a wind tunnel at the Faculty of Engineering, University of Genova*, Regione Liguria, 2008, 5.000 Euro
6. *Instrumentation of the wind tunnel at the Faculty of Engineering, University of Genova*, Compagnia di San Paolo, 2011, 60.000 Euro

Summarizing table

Funds	Euro
European Research Projects	3.588.025
Italian Research Projects	1.093.235
International Advanced Schools	24.727
Conferences and Courses	116.804
Research Contracts	2.517.422
Research laboratories	255.000
Total Funds	7.595.213

Annex 8

Giovanni Solari

SUPERVISION OF PH.D. STUDENTS

1. *Giuseppe Piccardo*. Analysis of coupled aeroelastic phenomena, Research Doctorate School of Structural Engineering at Florence University, 5th Cycle, 1990-1993.
2. *Fedora Maberini*. Modeling and response of controlled structures, Research Doctorate School of Structural Engineering at Florence University, 6th Cycle, 1991-1994.
3. *Evelia Schettini*. Probabilistic analysis of wind actions on structures, Research Doctorate School of Structural Engineering at Florence University, 8th Cycle, 1993-1996.
4. *Luisa Carlotta Pagnini*. Seismic dynamic response of bridge piers with aseismic devices, Research Doctorate School of Earthquake Engineering at Milan Politechnic, 8th Cycle, 1993-1996.
5. *Luigi Carassale*. Structural safety of tension leg platforms, Research Doctorate School of Structural Engineering at Florence University, 14th Cycle, 1999-2001.
6. *Maria Pia Repetto*. The safety of structures under dynamic wind actions, Research Doctorate School of Structural and Geotechnical Engineering at Genoa University, 15th Cycle, 2000-2003.
7. *Federica Tubino*. Dynamic response of long span bridges under wind actions, Research Doctorate School of Structural and Geotechnical Engineering at Genoa University, 15th Cycle, 2000-2003.
8. *Andrea Freda*. Behaviour of slender structural elements having an arbitrary attitude in the wind field, Research Doctorate School of Structural and Geotechnical Engineering at Genoa University, 17th Cycle, 2002-2005.
9. *Carlo Castiglioni*. Seismic behaviour of steel storage racking systems, Research Doctorate School of Structural and Geotechnical Engineering at Genoa University, 19th Cycle, 2004-2007.
10. *Alessio Torrielli*. Structural reliability under wind loads, Research Doctorate School of Structural and Geotechnical Engineering at Genoa University, 22th Cycle, 2007-2009.
11. *Stefano Sandon*. Aerodynamic wind actions on motorway and railway viaducts, Research Doctorate School of Structural and Geotechnical Engineering at Genoa University, 23th Cycle, 2008-2010.
12. *Nguyen Huy Cung*. Aerodynamic and aeroelastic analysis of complex structures, 24th Cycle, 2009-2012.
13. *Francesco Poggi*. Ph.D. Thesis not completed, 24th Cycle, 2009-2012.
14. *Emanuel Bombasaro*. Investigation of different vortex shedding models, based on sensitivity and probabilistic methods to evolve probabilistic models, Doctor of Science in Civil Engineering School, Vienna University of Technology, 2009-2011.
15. *Mattia Parodi*. Ph.D. Thesis not completed, 25th Cycle, 2010-2011.
16. *Ileana Paula Calotescu*. Ph.D. Thesis, Wind-excited response of truss towers, Technical University of Civili Engineering, Bucharest, 2010-2012.
17. *Zhang Shi*. Ph.D. Thesis, Monitoring, modelling and statistics of thunderstorm outflows, Beijing Jiaotong University, Beijing, 2015-2019.
18. *Andres Denis*. PhD Thesis, Synoptic and convective wind actions on distribution lines. Universidad de la Republica, Montevideo, Uruguay, 2017-2021.
19. *Stefano Brusco*. Ph.D. Thesis, Title to define, University of Genoa, 2018-2021.

20. *Federico Canepa*. Ph.D. Thesis, Title to define, University of Genoa, 2018-2021.
21. *Luca Roncallo*. Ph.D. Thesis, Title to define, University of Genoa, 2019-2022.
22. *Andi Xhelaj*. Ph.D. Thesis, Title to define, University of Genoa, 2019-2022.
23. *Josip Zuzul*. Ph.D. Thesis, Title to define, University of Genoa, 2019-2022.

RESPONSIBILITY OF POST-DOC AND TEMPORARY RESEARCH POSITIONS

1. Luisa Carlotta Pagnini. Research Scholarship on *Wind actions and effects on poles and monotubular towers*, 1996-1997.
2. Evelia Schettini. Transition Research Scholarship, 1996-1997.
3. Luisa Carlotta Pagnini. Post-Doctorate Research Scholarship, 1997-1999.
4. Fabiana Castino. Scholarship for *Activities concerning the Meteo-Hydrological Centre of Liguria Region*, 1997-2000.
5. Luca Rusca. Scholarship for *Activities concerning the Meteo-Hydrological Centre of Liguria Region*, 1997-2000.
6. Luigi Carassale. Research Scholarship on *Analysis of the dynamic response of structures to multi-variate loading processes*, 1998.
7. Maria Pia Repetto. Research Scholarship on *Analysis of the wind-induced fatigue*, 1999.
8. Maria Pia Repetto. Research Temporary Position on *Structural safety of structures exposed to dynamic wind actions*, 2000-2001.
9. Fabiana Castino. Scholarship for *Activities concerning the Meteo-Hydrological Centre of Liguria Region*, 2000-2001.
10. Luca Rusca. Scholarship for *Activities concerning the Meteo-Hydrological Centre of Liguria Region*, 2000-2001.
11. Maria Pia Repetto. Research Temporary Position on *Structural safety of structures exposed to dynamic wind actions*, 2002-2003.
12. Luigi Carassale. Research Temporary Position on *Non-linear dynamic analysis of structures under environmental actions*, 2002.
13. Federica Tubino. Research Temporary Position on *Stability, response and control of wind-excited structures*, 2003-2005.
14. Maria Pia Repetto. Research Temporary Position on *Reliability of structures under wind actions*, 2004-2005.
15. Massimiliano Burlando. Research Temporary Position on *Study by LES of the statistical properties of the turbulent atmospheric boudary layer in complex orography*, 2004-2005.
16. Andrea Freda. Research Temporary Position on *The safety of railway lines to wind actions*, 2006-2007.
17. Andrea Freda. Research Temporary Position on *Wind tunnel experiments*, 2008-2009.
18. Marco Tizzi. Research Temporary Position on *Wind and Ports*, 2010-2011.
19. Marina Pizzo. Research Temporary Position on *Wind and Ports*, 2010-2011.
20. Patrizia De Gaetano. Research Temporary Position on *Wind and Ports*, 2010-2011.
21. Mattia Parodi. Research Temporary Position on *Wind and Ports*, 2010.
22. Alessio Torrielli. Research Temporary Position on *Wind and Ports*, 2010.
23. Patrizia De Gaetano. Research Temporary Position on *Thundesrtorm modelling and loading of structures*, 2014-2016.
24. Alessio Torrielli. Research Temporary Position on *Wind long term simulation*, 2014.
25. Alessio Ricci. Research Temporary Position on *CFD numerical simulation of wind flows in urban and port areas*, 2015.

26. Serena Poggi. Research Temporary Position on *Comparative analysis of the actions and effects induced on the built environment by extra-tropical cyclones and thunderstorm outflows*, 2016.
27. Davide Rainisio. Research Temporary Position on *Monte Carlo simulation of thunderstorm outflows and their effects on the built environment*, 2016.
28. Patrizia De Gaetano. Research Temporary Position on *Thundesrtorm modelling and loading of structures*, 2017-2018.

RESPONSIBILITY OF OR REFERENCE FOR FOREIGN VISITING SCHOLARS

1. Timber Haker, PhD Student, The Netherlands, 1996
2. Irmela Zentner, Master Student, Germany, 2000
3. Stefan Schmidt, Master Student, Germany, 2001
4. Josè Cataldo, Professor, Uruguay, 2009
5. Emanuel Bombasaro, PhD Student, Austria, 2009-2011
6. Cung Nguyen Huy, PhD Student, Vietnam, 2009-2012
7. Ileana Paula Calotescu, PhD Student, Romania, 2010-2012
8. Kuriki Gaku, Master Student, Japan, 2012
9. Cung Nguyen Huy, Post Doc Student, Vietnam, 2013-2014
10. Yuki Sakai, Master Student, Japan, 2014
11. Li Bo, Associate Professor, China, 2014-2015
12. Yuling Chen, Researcher, China, 2015
13. Hiroakira Nukawa, Master Student, Japan, 2015
14. Zhang Shi, PhD Student, China, 2015-2017
15. Valentin Radaceanu, PhD Student, Romania, 2016
16. Ileana Paula Calotescu, Assistant Professor, Romania, 2016, 2017
17. Yuan-Lung Lo, Associate Professor, Taiwan, 2017
18. Andres Denis, Master Student, Uruguay, 2017

CONTRIBUTIONS TO EARLY CAREERS OF SCHOLARS AND TECHNICIANS

Giovanni Solari has been the supervisor of many students and scientists. Most of them took their degree and PhD at UNIGE; others came to UNIGE from other Italian and foreign universities.
7 former students of GS, who are now Associate and Assistant Professors at DICCA, UNIGE, represent the core of the WinDyn Research Group (Annex 14); some of them are recognized as leading international authorities in wind engineering.
Several GS's former students cover(ed) positions in universities (Bari, Wien, Sydney, Bucharest, Ho Chi Minh, EPFL, Bristol, ..) and top engineering firms (Siemens, Arup, Parsons, Atkins, Bird, Related, Mott Mc Donald, COWI, BMT, RINA, IIS, D'Appolonia, Ferrari, ...).
Other GS's former students, who reached Genoa from abroad (Denmark, The Netherlands, Germany, France, Albania, Romania, Vietnam, Japan, China, ...), returned to their own countries or went in other ones carrying back the culture of the Genoese school.
The sustained invited teaching and advising activity of the PI worldwide (Japan, China, Uruguay, Canada, …) is producing a huge impact on the early career of whole generations of young talents and researchers.

Annex 9

Giovanni Solari

LECTURES AT PROFESSIONAL COURSES *(in Italian)*

1. Interazione suolo-struttura, Caltanissetta, 8 giugno 1982, lezione nell'ambito del *Corso di aggiornamento sull'ingegneria sismica*, organizzato dall'Ordine degli Ingegneri della Provincia di Caltanissetta
2. Edifici con struttura in cemento armato, Arma di Taggia, Imperia, 15 ottobre 1982, lezione nell'ambito del *Corso di aggiornamento sulle costruzioni in zona sismica*, organizzato dall'Ordine degli Ingegneri della Provincia di Imperia
3. Interazione suolo-struttura, Palermo, 25 gennaio 1984, lezione nell'ambito del *Corso di aggiornamento sulle costruzioni in zona sismica*, organizzato dall'Ordine degli Ingegneri della Provincia di Palermo e dall'Associazione Italiana di Meccanica Teorica e Applicata (Sezione locale di Palermo)
4. *Dinamica aleatoria*, Genova, 25 giugno - 7 luglio 1986, corso organizzato dalla Società Ansaldo
5. Le azioni sulle costruzioni, Genova, 18 novembre 1986, lezione nell'ambito del corso *Strutture in acciaio, in acciaio-calcestruzzo ed in cemento armato: evoluzione della progettazione secondo la nuova normativa*, organizzato dalla Società Italimpianti
6. *Azioni ed effetti del vento sulle costruzioni*, Palermo, 19 e 20 novembre 1987, corso organizzato dall'Ordine degli Ingegneri della Provincia di Palermo
7. Analisi di rischio sismico ed eolico, Genova, 17 novembre 1989, relazione tenuta nell'ambito di un ciclo di seminari sul tema *Applicazioni informatiche dell'ingegneria civile e ambientale*
8. *Azioni ed effetti del vento sulle costruzioni e sul territorio*, Cosenza, 2 - 4 maggio 1990, corso organizzato dal Dipartimento di Strutture dell'Università della Calabria
9. Il progetto delle costruzioni in acciaio nei riguardi delle azioni eoliche, Milano, 10 e 16 ottobre 1990, lezioni tenute nell'ambito del corso *Costruzioni metalliche: acciai e progettazione*, organizzato dalla Facoltà di Ingegneria del Politecnico di Milano
10. *Rischio sismico locale*, Agrigento, 21 ottobre 1990, conferenza organizzata dall'Ordine degli Ingegneri della Provincia di Agrigento
11. *La nuova normativa europea per le azioni del vento sulle costruzioni*, Milano, 27 aprile 1993, conferenza presso la Scuola di Specializzazione in Costruzioni in Cemento Armato del Politecnico di Milano
12. Le prescrizioni per il carico da vento nella normativa nazionale; correlazioni con l'EC1, Pisa, 15 gennaio 1994, conferenza tenuta nell'ambito del corso di aggiornamento su *L'evoluzione in atto delle norme tecniche nazionali nel settore dell'ingegneria strutturale in relazione all'adozione degli Eurocodici*
13. Criteri probabilistici ed analisi strutturale, Genova, 6 ottobre 1994, conferenza tenuta nell'ambito del corso di aggiornamento su l'*Eurocodice 2 - UNI ENV 1992-1-1, Progettazione di strutture in c.a. e in c.a.p.*
14. Azioni del vento e dinamica delle costruzioni, Cagliari, 27 maggio 1995, conferenza nell'ambito del Corso di perfezionamento su *Costruzioni di c.a.* organizzato dal CESMACOS con il patrocinio dell'AICAP
15. La risposta dinamica delle strutture all'azione del vento, 28 giugno 1995, Roma, lezioni tenute nell'ambito del corso *La dinamica aleatoria e le sue applicazioni alla risposta delle strutture soggette a terremoto, vento e mare in tempesta* organizzato dal CADIS

16. I carichi da vento, Genova, 23 maggio 1996, conferenza organizzata dall'Ordine degli Ingegneri della Provincia di Genova nell'ambito di un ciclo di incontri sui *Nuovi Decreti Ministeriali del 9 e del 16 gennaio 1996*
17. I carichi da vento, Milano, 28 maggio 1996, conferenza organizzata dal CTE (Collegio dei Tecnici dell'Industrializzazione Edilizia) nell'ambito della giornata di studio sulla *Nuova normativa sui carichi e sovraccarichi*, presso il Palazzo Affari ai Giureconsulti
18. Carichi dovuti al vento, Bergamo, 28 e 29 giugno 1996, lezioni organizzate dallo SNILPI (Sindacato Ingegneri Liberi Professionisti della Provincia di Bergamo), nell'ambito del Corso Breve sulle *Nuove normative delle costruzioni in vigore dal 5 giugno 1996*
19. Eurocodici ed EC1, Messina, 10 gennaio 1997, conferenza organizzata dall'Ordine degli Ingegneri di Messina nell'ambito del Corso di Aggiornamento in Ingegneria Sismica *I nuovi DD.MM. '96 e gli Eurocodici*
20. Azioni del vento, Massa, 3 luglio 1998, Ciclo di Lezioni nell'ambito del corso ESDEP, *Progettazione ed impiego dell'acciaio nelle costruzioni*, organizzato da BIC Toscana
21. *Affidabilità degli impianti e delle strutture*, Corso presso l'Istituto Italiano della Saldatura, Genova, gennaio-febbraio 2000
22. Analisi sismica dinamica, Ciclo di lezioni in occasione del Corso di formazione e aggiornamento su *La normativa antisismica alla luce delle recenti modifiche legislative*, La Spezia, dal 30 maggio al 4 giugno 2004
23. Presentazione della galleria del vento DIFI-DISEG, Facoltà di Ingegneria, Università di Genova, 6 dicembre 2005.
24. Il documento tecnico CNR-DT 207/2008, Seminario di studio ed aggiornamento professionale per la presentazione di un nuovo Documento Tecnico del CNR relativo alle Istruzioni per la valutazione delle azioni e degli effetti del vento sulle costruzioni (CNR-DT 207/2008), CNR, Roma, 13 febbraio 2008.
25. Il documento tecnico CNR-DT 207/2008, Seminario di studio ed aggiornamento professionale per la presentazione di un nuovo Documento Tecnico del CNR relativo alle Istruzioni per la progettazione, l'esecuzione ed il collaudo di strutture di legno (CNR-DT 206/2007), Facoltà di Ingegneria, Università degli Studi di Genova, 29 febbraio 2008.
26. Il documento tecnico CNR-DT 207/2008, Seminario di studio ed aggiornamento professionale per la presentazione di un nuovo Documento Tecnico del CNR relativo alle Istruzioni per la valutazione delle azioni e degli effetti del vento sulle costruzioni (CNR-DT 207/2008), Facoltà di Ingegneria, Politecnico di Milano, 14 aprile 2008.
27. Il documento tecnico CNR-DT 207/2008, Seminario di studio ed aggiornamento professionale per la presentazione di un nuovo Documento Tecnico del CNR relativo alle Istruzioni per la valutazione delle azioni e degli effetti del vento sulle costruzioni (CNR-DT 207/2008), Facoltà di Ingegneria, Università di Napoli Federico II, 12 maggio 2008.
28. Il documento tecnico CNR-DT 207/2008, Seminario di studio ed aggiornamento professionale per la presentazione di un nuovo Documento Tecnico del CNR relativo alle Istruzioni per la valutazione delle azioni e degli effetti del vento sulle costruzioni (CNR-DT 207/2008), Facoltà di Ingegneria, Università di Firenze, 26 maggio 2008.
29. Recenti tendenze nell'evoluzione degli edifici alti, Corso sulla Progettazione delle costruzioni di acciaio per la sicurezza in caso di incendio, Università di Genova, 23 aprile 2009.
30. Il documento tecnico CNR-DT 207/2008, Seminario di studio ed aggiornamento professionale per la presentazione di un nuovo Documento Tecnico del CNR relativo alle Istruzioni per la valutazione delle azioni e degli effetti del vento sulle costruzioni (CNR-DT 207/2008), Facoltà di Ingegneria, Università di Genova, 6 maggio 2009.
31. Inquadramento generale e normative. Corso sulle azioni ed effete del vento sulle costruzioni,

Ordine degli Ingegneri della Provincia di Genova, Genova, 13 aprile 2018.

32. Temporali: ricerca e applicazioni. Corso sulle azioni ed effetti del vento sulle costruzioni, Ordine degli Ingegneri della Provincia di Genova, Genova, 10 maggio 2018.

Annex 10

Giovanni Solari

CODES AND STANDARDS COMMITTEES

International Committees

1. From 1987, member and Italian delegate of the Technical Committee No. 12 (TC12) *Wind* of the European Convention for Constructional Steelwork (ECCS)
2. From 1988 to 1990, member of the International Committee charged to write the part 8(ii) *Dynamic Wind loads* of the Eurocode 1 *Actions on structures*
3. From 1990 to 1993, member of the Project Team PT5 of the Committee CEN TC 250/SC1, charged towrite the Chapter *Wind Loads* of the Eurocode 1 *Basis of Design and Actions on Structures*
4. From 1992 to 1995, corresponding member of the ASCE 7 Wind Load Task Subcommettee charged to write the chapter *Wind Loads* of the ANSI-ASCE7-95 American Standards
5. In 1994, member of the *Ad-hoc Panel for Wind NADs*, charged to compile a European Recommendation for formulating unified National Application Documents (NAD) dealing with Wind Actions on Structures
6. From 2001, member of the Working Group (WG) 2 *Wind Loads* of the ISO/TC 98 - SC 3
7. From 2010 to 2014, member of the *Subcommittee Actions (SC1)* of the *Structural Engineering Commission (CEN-TC 250)*
8. From 2015, member of the ASCE Non-synipotic wind simulation subcommittee, American Society of Civil Engineers

Italian National Committees

1. Member of the Study Group of the National Research Council, *Wind actions*, which developed Chapter 5, *Wind actions*, of the *Instructions for the evaluation of the actions on structures* (CNR 10012/85)
2. Member of the Working Group EC of the Technical Committee N.1 (TC1), *Structural safety*, which revides the Part 8(i) *Static Wind Loads* of the Eurocode N.9 *Actions on Structures* on behalf of ECCS
3. Member of the Working Group EC9 of the Central Technical Services of the Superior Council of the Ministry of Public Works that examines the problems related to Eurocode N.9, *Actions on Structures*, and makes proposal for its final issue
4. From 1990, member of the Commission *Structural Engineering* (CIS) of the Italian National Agency for Unification (UNI); member of the Sub-Committee 1, *Actions* of CIS
5. From 1993 to 1995, member of the Commission of the Ministry of Public Works for the *Study and definition of loads and their combination, depending on the type of construction, construction methods and purposes of the work, and the general criteria for verifying construction safety*; from 1994, member of the corresponding *Commissione Relatrice*
6. From 1995 to 1999, member of the *Commission Steel*, National Research Council (CNR)
7. From 2002 to 2003, member of the *Study and consultative committee for the technical standards of buildings*, National Research Council (CNR)
8. From 2003 to 2006, member of the *Commission to provide opinions on the Technical Recommendations for construction*, National Research Council (CNR)
9. From 2005 to 2008, coordinator of the *Study Group of the Codification Commission of the*

CNR, to prepare a document relating to wind actions on structures, CNR-DT 207/2008, National Research Council (CNR)

10. From 2006 to 2009, member of the *Study Commission for the preparation and analysis of technical standards for buildings*, National Research Council (CNR)
11. From 2009 to 2011, member of the *Working Group at the Council of Public Works, responsible for carrying out a survey of the significant elements and possible problems connected with the application of the new Technical Regulations for Construction referred to as D.I. 14.1.2008*, Superior Council of the Ministry of Public Works
12. From 2010 to 2012, member of the *Commission Rapporteur for the study of the impact of the Technical Standards for safety of buildings, also with regard to their impact on the costs of construction and maintenance of infrastructure*, Superior Council of the Ministry of Public Works
13. From 2010 to 2012, member of the Working Group to draw up the technical annexes to the national Structural Eurocodes, Superior Council of the Ministry of Public Works
14. From 2010 to 2014, President of the *Sub-Commission Actions (SC1) of the Commission Structural Engineering (CIS)*
15. From 2010 to 2011, member of the *Control Room with the task of deepening and coordinating the activities of analysis of the critical elements of the technical standards for buildings, as well as an advisory to propose appropriate changes and updates in art. 60 of D.P.R. n. 380/2001*, Superior Council of the Ministry of Public Works
16. From 2010 to 2011, Coordinator of the *Working Group N. 2, Safety and actions on construction*, of the *Control Room with the task of deepening and coordinating the activities of analysis of the critical elements of the technical standards for buildings, as well as an advisory to propose appropriate changes and updates in art. 60 of D.P.R. n. 380/2001*, Superior Council of the Ministry of Public Works
17. From 2011 to 2014, member of the *Commission to propose appropriate amendments and updates of the technical standards for constructions*, Superior Council of the Ministry of Public Works
18. From 2011 to 2014, Coordinator of the *Working Group N. 2, Safety and actions on construction*, of the *Commission to propose appropriate amendments and updates of the technical standards for constructions*, Superior Council of the Ministry of Public Works
19. From 2013, member of the *Study commission for the preparation and analysis of technical standards concerning construction*, National Research Council
20. From 2016 to 2019, coordinator of the *Study Group of the Codification Commission of the CNR, to up-date the document relating to wind actions on structures*, CNR-DT 207 R1/ 2018, National Research Council (CNR)

Annex 11

Giovanni Solari

TECHNICAL STUDIES

1982	G. Carlini Stadium, Genoa
1984-1987	Centergross, Bologna
1985	Sport Palace, Milan
1985	Municipal Stadium, Turin
1985-1986	Corte Lambruschini, Genoa
1985-1992	Park Tower, Milan
1986	South Tower, San Benigno, Genoa
1987	Railways between Milan and Bologna
1989	Telecommunication Centre, Rozzano, Milan
1990	Telecommunication Tower, San Michele Extra, Verona
1990	Dockers, Calata Sanità, Genoa
1990-1992	Grande Bigo, Genoa
1991	Italian Antarctic Base, Antartica
1992	Testero Tower, San Benigno, Genoa
1992	Messina Straits Bridge
1992	Directional Centre, Alghero
1992-1993	Telecommunication Tower, Cologno Monzese, Milan
1992-1993	Light poles, Corso Italia, Genoa
1993-1994	Leaning Tower of Pisa
1995-2002	Meteo-Hydrological Centre, Liguria Region
1996	Rio Coello Bridge, Colombia
1996-1997	Low-rise factory, Campiglia Marittima
1997	Dockers, Ponte Libia, Genoa
1997-1998	Offshore wind farm, Genoa
1998	Poles and monotubular towers, ACS-ACAI Services, Italy
1999	Harbour of Vado Ligure, Savona
1999-2000	Cranes and Dockers, Ceretti & Tanfani, Italy
1999-2000	Cable cars, Ceretti & Tanfani, Italy
2001	ENEL power station, Porto Corsini, Ravenna;
2001-2002	Low-rise factory, Sesto San Giovanni, Milan
2002	ENEL power station, La Spezia
2002	Brancusi Endless Column, Targu-Jiu, Rumania
2002-2003	ENEL power station, Priolo Gargallo, Siracusa
2002-2003	ENEL power station, La Casella, Piacenza
2002-2003	Block 1 steel chimney, Ballylumford, Ireland
2002-2003	Alberga Airport, Imperia
2002-2008	Closed Circuit Boundary Layer Wind Tunnel, Genoa
2004	Railways between Andora, Savona, and San Lorenzo a Mare, Imperia
2004	Messina Straits Bridge
2005	Brindisi harbour area
2005	Footbridge, Palermo
2005	VEGA Rocket, French Guyana
2005-2006	Cornigliano tanks, Genova

2005-2006	Rome-Naples HS/HC railway line
2006	Telecommunication pole, Arzergrande
2006	Hadid B Tower in the historical quarter of Milan Fair area
2006	Libeskind C Tower in the historical quarter of Milan Fair area
2006	Historical quarter of Milan Fair area
2006-2010	Isozaki A Tower in the historical quarter of Milan Fair area
2007	Calata Sanità containers
2007	B Pavillon of Ente Fiera of Genova
2008	San Paolo Tower, Torino
2008-2009	Liceo Darwin, Rivoli, Turin
2008-2009	Florence-Bologne HS/HC railway line
2008-2009	Naples-Salerno HS/HC railway line
2008-2009	Milan-Bologne HS/HC railway line
2009	Nuvola, EUR, Roma
2009	Bastia Harbour, Corsica
2009	Livorno Harbour
2009	La Spezia Harbour
2009	Savona and Vado Ligure Harbours
2009	Genova Harbour
2009	Reggio Emilia HS railway station
2009	Milan-Turin HS/HC railway line
2010	Superframe of Building 12, Varesine, Milano
2010	“Sail” Canopy, Portello Quartier, Milano
2010	“Table” Canopy, Portello Quartier, Milano
2010	Pedestrian Footbridge on Viale Serra, Milano
2010	Technological Park of Erzelli, Genova
2010	ANAS Code of Practice
2011	Terraces Comfort, Varesine, Milano
2011	Marchetti Viaduct, Ivrea
2011	Pedestrian Footbridge on Via De Gasperi, Milano
2011	Superframe of Building 11, Varesine, Milano
2012	Sail Competitions, London Olympic Games
2013	Cherenkov Telescope Array, Aar, Namibia
2013	Telescope SST, Serra La Nave, Mount Etna, Catania
2013	Odéon Tower, Montecarlo
2014	ILVA Mineral Parc Roofing, Taranto
2014	Telescope at Armazones, Chile
2014	Telescope at La Palma, Canarie, Spain
2015	ILVA Mineral Coalpit Roofing, Taranto
2015	Cladding of Hadid Tower, Milan
2016	Milis Greenhouse, Sardinia
2016	Containers at VTE, Genova

Annex 12

Giovanni Solari

MASS MEDIA

Newspapers

1. Si è aperto il corso di ingegneria sismica. *La Sicilia*, 8 maggio 1982
2. Ingegneria sismica. Si apre un corso per operatori. *Giornale di Sicilia*, 8 maggio 1982.
3. L'ingegnere del vento. Giovane professore genovese è uno dei tre esperti mondiali. *Il Secolo XIX*, 11 febbraio 1995.
4. Sopraelevata-swing. E c'è chi pensa di comporre una canzone. *Il Secolo XIX*, 26 dicembre 1995.
5. La Liguria sceglie il modulo olandese. Energia: Regione, Provincia e Comune cercheranno di imbrigliare e utilizzare le raffiche del vento. *Corriere Mercantile*, 19 febbraio 1997.
6. Ambiente: Genova capitale mondiale del vento. *Agenzia ANSA*, 19 febbraio 1997.
7. Va dove ti porta il vento. A Genova. A giugno, al Ducale, i lavori sulla conferenza mondiale sull'energia eolica. *Il Lavoro, Supplemento di Repubblica*, 20 febbraio 1997.
8. Per l'energia un progetto in Liguria. Un convegno. *La Stampa*, 20 febbraio 1997
9. La Liguria sceglie il vento per produrre nuova energia. Prevista una centrale di mulini a Borzoli. *Il Giornale*, 20 febbraio 1997.
10. Genova diventa capitale del vento. *Il Secolo XIX*, 20 febbraio 1997.
11. Il genovese che doma il vento. L'ingegner Solari porterà la sua esperienza al convegno di Palazzo Ducale. *Il Giornale*, 27 febbraio 1997.
12. Genova, capitale mondiale del vento. *Verdi Liguria*, 6 maggio 1997.
13. Genova capitale mondiale. Del vento. *Il Secolo XIX*, 18 giugno 1997.
14. Studiosi del vento a convegno all'Expo di Genova. *Il Giornale*, 19 giugno 1997.
15. L'uomo e il vento, attrazione fatale. Da domani a giovedì i massimi esperti mondiali di Wind Engineering a congresso a Genova. *Il Secolo XIX*, 22 giugno 1997.
16. Esperti da mezzo mondo per parlare di vento. Lo scirocco si scatena. *Il Lavoro, Supplemento di Repubblica*, 23 giugno 1997.
17. I signori del vento. La sfida è difendere l'uomo dai tornado; ma per vincerla servono soldi e cultura. *Il Secolo XIX*, 24 giugno 1997.
18. Genova, i venti si incrociano. Inaugurata a Palazzo Ducale la seconda conferenza europea. *Il Lavoro, Supplemento di Repubblica*, 24 giugno 1997.
19. La Regione lotta per i mulini a vento. *Il Giornale*, 27 giugno 1997.
20. La Liguria scopre il vento. Energia pulita dai mulini sui crinali e le dighe. *Il Secolo XIX*, 28 giugno 1997.
21. Quattro ore di paura in balia dell'uragano. Siamo in mezzo a due cicloni. *Il Secolo XIX*, 21 gennaio 1998.
22. La Liguria conta le ferite della bufera. La bufera lascia il segno. L'esperto: ma non è stato affatto un evento di portata eccezionale. *Il Secolo XIX*, 9 novembre 1999.
23. Ingegneria, una laurea con beffa. 1250 iscritti al corso per edili scoprono di avere un titolo di studio inutile. *Il Giornale*, 19 dicembre 1999.
24. Il personaggio. C'é un uomo che per professione mette in gabbia la furia di Eolo. *Il Secolo XIX*, 16 giugno 2000.
25. Così muoiono i giganti. L'architetto: hanno retto al botto, ma non al fuoco. *Il Secolo XIX*, 14

settembre 2001.
26. La Cittadella della Cultura. Inaugurazione Magazzini dell'Abbondanza Genova-Molo. Il Secolo XIX, 24 marzo 2002.
27. L'ingegnere del vento ha detto sì. La Colonna di Brancusi è stabile. Sos dalla Romania: ma per il famoso analista genovese Giovanni Solari la stele infinita del genio dell'architettura non è malata. *Il Secolo XIX*, 24 maggio 2002.
28. Ponte sullo Stretto: nel 2003 i primi espropri. *Il Giornale*, 30 maggio 2002.
29. Ponte sullo Stretto, dal 2003 gli espropri. *Il Sole 24 Ore*, 30 maggio 2002.
30. Lo scienziato che intrappola il vento. Giovanni Solari è il numero uno al mondo e dirige a Genova il Dipartimento di Ingegneria Strutturale e Geotecnica. *Il Secolo XIX*, 15 luglio 2003.
31. La sfida. Quello di Messina sarà il più lungo ponte del mondo; un salto di 3300 metri a una campata unica. *Il Secolo XIX*, 15 luglio 2003.
32. Master da prendere al volo sull'asse Milano-Genova. *Il Giornale*, 7 agosto 2003.
33. A Genova un'ingegneria modello per l'Iit. *Il Secolo XIX*, 30 ottobre 2003.
34. Mezza facoltà in porto: il consiglio ha detto sì. *La Repubblica*, 4 novembre 2003.
35. Così si prevede uno tsunami. *Il Secolo XIX*, 4 gennaio 2005.
36. Il Ponte ai raggi X, esperti a confronto. *Gazzetta del Sud*, 23 febbraio 2005.
37. In un'antica villa genovese il test del vento al Ponte di Messina. Un'équipe guidata da Giovanni Solari ha studiato l'impatto degli agenti atmosferici sul progetto dell'imponente struttura. *Il Secolo XIX*, 27 ottobre 2005.
38. Pronta entro il 2007. Università: Ingegneria avrà la galleria del vento. A Genova nasce un centro per i "super-test". *Il Secolo XIX*, 7 dicembre 2005.
39. Ingegneria, via col vento. Una galleria farà volare gli studi. *La Repubblica*, 21 marzo 2007.
40. Ingegneria con il vento in poppa. Arriva la galleria che studia l'ambiente. *La Repubblica*, 29 ottobre 2008.
41. Galleria del vento gioiello per Genova. Realizzata a Ingegneria per test di opere civili e ambientali. *Il Secolo XIX*, 29 ottobre 2008.
42. All'Università di Genova. Nuova Galleria del vento. Ne parliamo con il progettista Giovanni Solari e il coordinatore tecnico Luigi Carassale. *Il Giornale dell'Architettura*, N. 69, gennaio 2009.
43. Verso il Ponte. La Società Stretto di Messina nomina il Comitato Scientifico, *La Sicilia*, 15 luglio 2010.
44. Ponte sullo Stretto. Il Prof. Ballio coordina il Comitato Scientifico, *Gazzetta del Sud*, 15 luglio 2010.
45. Stretto di Messina. Comitato Scientifico nominato: Ecco tutti i Componenti. *Giornale di Sicilia*, 15 luglio 2010.
46. Così i porti imbriglieranno il vento, *Il Secolo XIX*, 11 maggio 2011.
47. Erzelli. La sfida degli ingegneri: Imbrigliare il vento. *Il Secolo XIX*, 8 giugno 2011.
48. Cinque porti alleati per prevedere il vento. *Savona Economica*, 28 novembre 2011.
49. Il progetto europeo "Vento e Porti" fa tappa a Savona. *InforMare*, 29 novembre 2011.
50. Porti: previsioni vento, a Savona primo esame progetto Ue. *www.ansamare.it*, 29 novembre 2011.
51. Lo studio del vento in porto. Un progetto europeo a Savona. *www.RSVN.it*, 29 novembre 2011.
52. Progetto europeo "Vento e Porti": a Savona il seminario di verifica. *www.IVG.it*, 29 novembre 2011.
53. Porto. Previsione del vento un progetto europeo. *La Stampa*, 30 novembre 2011.

54. I porti liguri fanno le previsioni del vento. *Il Corriere Mercantile*, 30 novembre 2011.
55. Progetto "Vento e Porti", verifica a Savona. *Redivo*, 30 novembre 2011.
56. Velocità del vento, anche Savona accetta la sfida. Summit italo-francese per elaborare nuovi modelli di previsione. Nascono così i porti del futuro. *L'Avvisatore Marittimo*, 30 novembre 2011.
57. La diga foranea avamposto per studiare i venti. *Corriere Mercantile*, 5 giugno 2012.
58. Sicurezza, vento sotto controllo sulle banchine. *La Repubblica.it*, 24 giugno 2012.
59. I maghi del vento che svelano la rotta ai lupi di mare. La scienza si allea con i velisti azzurri. *Il Secolo XIX*, 23 luglio 2012.
60. Olimpiadi: il supermeteo per la medaglia d'oro nella vela. *Corriere della Sera.it*, 23 luglio 2013.
61. Un patrimonio di conoscenze da non perdere è l'appello della comunità scientifica. Il Ponte sullo Stretto di Messina. *Corriere della Sera*, 27 febbraio 2013.
62. Vent, ports et mer: un projet de coopération transfrontalière. Corse-Matin, 16 novembre 2013.
63. Vento, Porti e Mare: Ecco I risultati. *Il Sole 24 Ore*, 9 dicembre 2014.
64. Anno Accademico al via: la Colonna Senza Fine. *Il Secolo XIX*, 5 aprile 2016.
65. Il Docente di Ingegneria Solari guida un progetto di ricerca europeo: Così impareremo a progettare le case che non temono il vento. *Il Secolo XIX*, 24 giugno 2017.
66. L'Europa premia Genova per gli studi sul vento. Solari della Scuola Politecnica realizzerà un modello per costruire case a prova di ciclone. *Il Secolo XIX*, 6 ottobre 2017.
67. Monitoraggio, simulazione e previsione del vento per la gestione intelligente e la sicurezza dei sistemi portuali, urbani e territoriali, *Il Secolo XIX*, 28 febbraio 2019.

Journals, Magazines and Bulletins

1. Solari's report on activities of IAWE European & African Regional Group, *Journal of Wind Engineering*, No. 69, October 1996.
2. IWEF Meeting on Structural damping. *Newsletter, International Wind Engineering Forum*, Tokyo, Japan and Fort Collins, Colorado, USA, Vol. 2, No. 1, 1996.
3. Giovanni Solari: progettare con il vento. *Costruzioni Metalliche*, Anno XLIX, gennaio-febbraio 1997.
4. Costruire con il vento. A Genova un convegno ci spiegherà come. *Metalli*, Anno VIII, N. 91, marzo 1997.
5. Pali e torri monotubolari: i primi risultati della ricerca sugli effetti del vento. *Costruzioni Metalliche*, Anno XLIX, N. 4, luglio-agosto 1997.
6. Una "ventata" di ingegneri a Genova. *Genuense Atheneum*, N. 29, 31 ottobre 1997.
7. La sfida dei ponti. Quello sullo Stretto supererà 3 km, ma è solo l'inizio. Si arriverà a 10 o 20 km, con materiali più leggeri e vincendo il peggior nemico: il vento. *Quark*, N. 5, luglio 2001.
8. Autopsia di un'apocalisse. New York, 11 settembre 2001. *Quark*, N. 9, novembre 2001.
9. Le Twin Towers vittime del fuoco. *Ingegneri della Liguria*, Anno LVI, N. 6, novembre-dicembre 2001.
10. La fabbrica del vento. Fluidodinamica, gli ingegneri delle correnti d'aria. *Quark*, N. 20, ottobre 2002.
11. Ingegneria. Il miracolo di Brancusi. *Quark*, N. 22, dicembre 2002.
12. Piani alti. Tra pochi anni tornerà a New York il primato del palazzo più alto del mondo. *Quark*, N. 27, 2 aprile 2003.
13. International Association for Wind Engineering adopts new by-laws. *The Wind Engineer*,

July, 2003.

14. Ingegneria del vento. *Ingegneri Notizie, Notiziario dell'Ordine degli Ingegneri di Genova*, N. 8, settembre 2003.
15. Progetti nella galleria del vento. Per Giovanni Solari, presidente della IAWE, l'ingegneria del vento incide sensibilmente sulle scelte progettuali. *Il Giornale dell'Architettura*, N. 12, novembre 2003.
16. L'Associazione Internazionale per l'Ingegneria del Vento: Passato, presente e futuro. *Rassegna del CTA*, N. 6, Anno II, giugno 2004.
17. C'è una sfida tra le nuvole. *L'Espresso*, N. 30, anno L, 29 luglio 2004.
18. Wind-induced fatigue damage, *Bulletin of the COE Program on Wind Effects on Buildings and Urban Environment*, Vol. 4, July 2005.
19. Ingegneria & Ricerca. Anche Genova avrà una galleria del vento, *Ingegneri della Liguria*, N. 1, 2006.
20. The CNR Committe concerning technical rules starts again from wind, *Costruzioni Metalliche*, Anno LVIII, N. 1, 2006.
21. Galleria del vento: Il laboratorio dell'Università di Genova centro mondiale di studi di Ingegneria del Vento, *FONDAZIONEINFORMA*, News Fondazione CARIGE, N. 1, 2006.
22. Prestigioso premio in USA al Prof. Giovanni Solari, *Ingegneri della Liguria*, N. 5, 2006.
23. Honours and Awards, Jack E. Cermak Medal, Giovanni Solari, *ASCE News*, The Newspaper of the American Society of Civil Engineers, Vol. 31, N. 11, 2006.
24. IAWE Awards 2007, *The Wind Engineer*, Newsletter of American Association for Wind Engineering, December 2006.
25. Comment of the advisory board member: Giovanni Solari, *Bulletin of the COE Program on Wind Effects on Buildings and Urban Environment*, Vol. 9, February 2008.
26. E Villa Cambiaso inaugura la galleria del vento. "Taglio del nastro a fine ottobre", *Ingegneri della Liguria*, N. 6, 2008.
27. Giovanni Solari, "The Wind Engineering and Structural Dynamics Research Group at the University of Genoa: retrospective, current plans and some prospects, *Bulletin of the GCOE Program on New Frontier of Education and Research in Wind Engineering*, Vol. 10, September 2008.
28. Il progetto transfrontaliero "Vento e porti", *Spazio & Porti, Magazine di Ligurian Ports*, N. 3, anno 1, ottobre 2010.
29. Members of the "Wind and Structures" Editorial Board receive IAWE Awards, Wind and Structures, Vol. 14, No. 6,November 2011.
30. Quando l'ingegneria diventa ambasciatrice di una città nel mondo. *Ingegneri della Liguria*, N. 3, 2012.
31. Faculty Public Lectures, Giovanni Solari, Construction & Environment, *The Magazine of the Faculty of Construction and Environment, The Hong Kong Polytechnic University*, N. 9, December 2015.
32. Reproducing downburst events at the WindEEE Dome – A case study, *WindEEE Research Institute Annual Report 2015-2016, University of Western Ontario, Canada*, p. 16.
33. Field data analysis and weather scenario of a downburst event, *WindEEE Research Institute Annual Report 2015-2016, University of Western Ontario, Canada*, pp. 23-24.
34. UNIGE and UWO joint cooperative research on downbursts, *WindEEE Research Institute Annual Report 2015-2016, University of Western Ontario, Canada*, pp. 62-64.
35. Physical reconstruction of full-scale downburst flow, *WindEEE Research Institute Annual Report 2016-2017, University of Western Ontario, Canada*, p. 49.
36. L'ingegneria del vento per progettare strutture sicure ed efficienti: il Progetto Europeo ERC

ADG THUNDERR, *Newsletters of the University of Genova*, N. 66, 30 September 2017.

37. La perfezione raggiunta, *Il Cannocchiale,* November 2017.
38. L'ingegneria del vento e il progetto "Thunderr", *Il Cannocchiale,* November 2017.
39. Intervista al Prof. Giovanni Solari, fra i maggiori specialisti al mondo nel settore. La lezione del signore del vento, *A&B, Atti & Bollettino degli Ordini degli Ingegneri della Liguria. Professione*, n. 1-3 Gennaio-Marzo 2018.
40. Hybrid simulation of thunderstorm outflows and wind excited response of structures. Featured online on Advances in Engineering (https://advanceseng.com/mechanical-engineering/ hybrid-simulation-thunderstorm-outflows-wind-excited-response-structures, 16 May 2018.
41. Si decide in venti mosse il Ponte di Genova. *Gente*, n. 37, 15 September 2018.
42. Scienza e Ingegneria del Vento – Progetto THUNDERR – Università di Genova. *Nota Stampa dell'Università di Genova*, 24 September 2018.
43. Thunderr: il progetto dell'Università di Genova per studiare I temporali. *La Voce di Genova*, 24 September 2018.
44. L'uomo sfrutta il vento ma deve studiarne – e temerne – le conseguenze. *Greenpower*, 25 settembre 2018, https://www.greenplanner.it/2018/09/25/vento-studi-fenomeni-temporaleschi/.
45. ERC Synergy Grants. *Italia Oggi Sette, Ateneo Genovese Stampa*, 1 October 2018.
46. Giovanni Solari: "Con Thunderr vi spiego perché I temporalis ono I più pericolosi. *La Voce di Genova*, 11 October 2018.
47. Giovanni Solari sulla mareggiata devastante: "Il vento soffiava sopra i 140 km all'ora". *La Voce di Genova*, 5 November 2018.
48. I pericoli che arrivano dal vento, The dangers caused by the wind, Platinum "Aziende & Protagonisti", November 2018, Annex to Il Sole 24 Ore, www.ilsole24ore.com, 26 November 2018.
49. Monitoraggio, simulazione e previsione del vento, Formazione, Ordine degli Ingegneri di Genova, 28 February 2019
50. Ricerca Unige sul monitoraggio e la previsione del vento si allargherà ai temporali, Liguria Business Journal, 1 March 2019
51. Ports in a storm. Wind speed data is critical for maintaining safety at seaports, especially during thunderstorms, Meteorological Technology International, April 2019, pp. 116-118.

Radio, Televisions and Social Networks

1. Genova capitale mondiale del vento. *Telegenova*, 19 febbraio 1997.
2. Genova capitale mondiale del vento. *RAI 3*, 19 febbraio 1997.
3. Genova capitale mondiale del vento. *Primocanale*, 19 febbraio 1997.
4. Genova capitale mondiale del vento. *Telecittà, TG7*, 19 febbraio 1997.
5. 2 EACWE. *Primocanale,* 22 giugno 1997.
6. 2 EACWE & WEL. *RAI 3*, 27 giugno 1997.
7. 2004: Genova capitale europea della cultura. *Telecittà*, aprile 2000
8. Genova capitale del vento. *Telenord TN4*, 10 maggio 2000.
9. Dal 2004 i lavori per il Ponte sullo Stretto. *Telegiornale 5, TG5*, ore 20, 6 giugno 2002.
10. Il Comitato Scientifico per il Ponte sullo Stretto di Messina. *RAI 1, TG1*, ore 20, 6 giugno 2002
11. Il Ponte si farà. *RAI 2, TG2*, ore 20.30, 6 giugno 2002.
12. Non solo vento a Camogli. *RAI 3, TG3*, 15 maggio 2004.
13. Il Ponte sullo Stretto di Messina. Radio Nostalgia, Notiziario, 27 ottobre 2005.
14. Tavola Rotonda sul Ponte di Messina alle Giornate Nazionali di Saldatura. *RAI 3, TGR*, 27

ottobre 2005.

15. Presentazione della galleria del vento DIFI-DISEG. *RAI 3, TGR*, 6 dicembre 2005.
16. Presentazione della galleria del vento DIFI-DISEG. *Telenord, TN4*, 7 dicembre 2005.
17. Closing Ceremony of ICWE 12, Cairns, Australia. *Channel 7, TG Melbourne*, 6 luglio 2007.
18. Inaugurazione della galleria del vento. *Telegenova*, 28 ottobre 2008.
19. Conference Interportuaire Initiale du Project Vent et Ports. *Radio Corsica*, 15 aprile 2010.
20. Speciale Vento. *RAI 2, TG2 Mattina*, 25 maggio 2011.
21. Il Progetto Vento e Porti, *Telenord*, 7 ottobre 2011.
22. Problemi e riflessi del terremoto sul nostro territorio: le modalità di costruzione secondo la normativa antisismica, *Teleradiopace*, 18 giugno 2012.
23. Il Progetto Vento e Porti, *Telenord*, 22 giugno 2012.
24. L'AdG di ERC per il progetto THUNDERR, *RAI3 Regione*, 5 ottobre 2017.
25. L'AdG di ERC per il progetto THUNDERR, *Radio Babboleo*, 6 ottobre 2017.
26. Il signore dei venti e dei temporali, *RAI3 TG Leonardo*, 24 aprile 2018.
27. Il signore dei venti e dei temporali, *RAI3 Regione*, 24 maggio 2018.
28. Il crollo del Viadotto Morandi a Genova, *RADIO 1*, 14 agosto 2018.
29. The collapse of the Morandi Viaduct in Genoa, *Channel 4 News, UK*, 15 agosto 2018.
30. Il crollo del Viadotto Morandi a Genova, TG3, RAI, 16 agosto 2018.
31. Il crollo del Viadotto Morandi a Genova, *TG SKY*, 16 agosto 2018.
32. Il crollo del Viadotto Morandi a Genova, *RAI NEWS 24*, 16 agosto 2018.
33. The collapse of the Morandi Viaduct in Genoa, *Deutsche Welle*, 16 agosto 2018.
34. The collapse of the Morandi Viaduct in Genoa, *TG Poland*, 16 agosto 2018.
35. The collapse of the Morandi Viaduct in Genoa, *TG Belarus*, 16 agosto 2018.
36. The collapse of the Morandi Viaduct in Genoa, *TG Germany*, 16 agosto 2018.
37. L'ingegnere del vento. *TGR RAI3*, 23 febbraio 2019.
38. L'ingegnere del vento. *Telenord*, 23 febbraio 2019.
39. Monitorare il vento per rendere il porto più sicuro: a Genova nascono gli strumenti del futuro, *Telenord*, 28 febbraio 2019.
40. L'ingegnere del vento. *Primo Canale*, Al servizio del pubblico linea diretta, 16 marzo 2019.
41. Interview with Agerpress, Bucarest, Romania, 7 giugno 2019
42. Interview with Camelia Broadcasting and YouTube channel at UTCB (https://www.youtube.com/watch?v=DwH2G2q6XIM), Bucarest, Romania, 7 giugno 2019
43. Announcement on the facebook page of the University of Genova: International Advanced School on Thunderstorm Outflows and their Impact on Structures (https://www.facebook.com/623308647800946/posts/1813004762164656?sfns=mo), Genova, Italy, 14 February 2020
44. Announcement on the linkedin page of the University of Genova: International Advanced School on Thunderstorm Outflows and their Impact on Structures (https://www. linkedin.com/posts/universit-degli-studi-di-genova_international-advanced-school-on-thunderstorm-activity-6634021172986163200-MyOI), Genova, Italy, 14 February 2020.

Annex 13

Giovanni Solari

WINDYN RESEARCH GROUP

The WinDyn Research Group (www.windyn.org) on Wind Engineering and Structural Dynamics at the Department of Civil, Chemical and Environmental Engineering (DICCA) of the University of Genoa is currently made up of 7 people with permanent staff positions, plus 1 people with a temporary position; the following table shows their position and formation. The WinDyn activity is strengthened by several PhD and Master students and frequent visiting scientists. In its whole, they give life to a highly interdisciplinary group averagely made up of 20 people.

Unit	Component	Position	Degree / PhD
1	Giovanni Solari	Full Professor	Civil Engineering
2	Giuseppe Piccardo[a]	Full Professor	Civil Engineering
3	Maria Pia Repetto[c]	Associate Professor	Civil Engineering
4	Luisa Carlotta Pagnini	Assistant Professor	Civil Engineering
5	Federica Tubino	Associate Professor	Civil Engineering
6	Massimiliano Burlando	Assistant Professor	Environmental Science / Geophysics
7	Andrea Freda	Ph.D. Technician	Civil Engineering
8	Djordje Romanic	Post-Doc Scientist	Atmospheric Science & Wind Engineering
[a] EASD-ANIV Prize 1999, visiting professor at the Universities of Beijing and Sydney [c] IAWE Junior Award 2011, SEI-ASCE Reeze Prize 2014			

This large group of people works well together through the continuity afforded by its permanent staff members and a friendly atmosphere. It is very dynamic through the renewal of those who have temporary positions, Ph.D. students, and the visiting scholars that come to Genoa from all over the world. Thanks to its interdisciplinary composition, this group also has the unique property to cover almost all the sectors of wind science and engineering, namely atmospheric physics, meteorology, climatology and geophysics, aerodynamics and aeroelasticity, structural and architectural engineering, environmental sciences and wind energy. Moreover, it has an ideal position to address research through a wide range of tools: it has longstanding experience in analytical and physical models, a library of commercial and self-developed numerical programs including CFD codes, a laboratory equipped to carry out in situ anemometric measures and full-scale experiments on real structures, a closed-circuit wind tunnel with a test section 8.8 m long, 1.65 m wide, and 1.35 m high; the maximum velocity of the flow is 40 m/s. It manages an unprecedented and unique wind monitoring network in the port areas of Genova, Savona, La Spezia, Livorno and Bastia: it includes nearly 40 ultra-sonic anemometers and 4 LiDAR scanner.