

# RESUMEE

**Francesco Ricciardelli**

*(updated to July 2019)*

## EDUCATION

- 10.1996 **Ph.D. in Structural Engineering**, University of Napoli Federico II, Italy.
- 10.1994 **Master of Engineering Science**, The University of Western Ontario, London, Canada.
- 02.1991 **Five-year Degree in Civil Engineering**, University of Napoli Federico II, Italy (Maxima cum laude).
- 07.1984 **High school diploma**, Liceo Scientifico Statale G. Mercalli, Napoli (60/60).

## ACADEMIC CAREER

- 12.2017 to date **Tenured Full Professor** of Structural Engineering, Department of Engineering, University of Campania “Luigi Vanvitelli”, Italy.
- 10.2015 to 12.2017 **Tenured Associate Professor** of Structural Engineering, Department of Engineering, University of Campania “Luigi Vanvitelli”, Italy.
- 01.2015 **National Scientific Qualification** for Full Professorship in Structural Engineering
- 12.2013 **National Scientific Qualification** for Full Professorship in Structural Engineering
- 03.2009 – 06-2009 **Visiting Professor**, Department of Civil Engineering, Technical University of Denmark, Lyngby.
- 09.2006 – 02-2007 **Visiting Professor**, Department of Civil Engineering, Technical University of Denmark, Lyngby.
- 11.2004 – 10.2015 **Tenured Associate Professor** of Structural Engineering, Faculty of Engineering, University of Reggio Calabria, Italy.
- 11.2001 – 10.2004 **Associate Professor** of Structural Engineering, Faculty of Engineering, University of Reggio Calabria, Italy.
- 04.1999 – 10.2001 **Assistant Professor** of Structural Engineering, Faculty of Engineering, University of Reggio Calabria, Italy.
- 11.1997 - 04.1999 **Post-doc Research Fellow**, Department of Structural Analysis and Design, University of Napoli Federico II, Italy.
- 05.1997 - 11.1997 **Research Associate**, The Boundary Layer Wind Tunnel Laboratory, The University of Western Ontario, London, Canada.
- 11.1995 - 04.1997 **Research Engineer**, Department of Structural Analysis and Design, University of Napoli Federico II, Italy..
- 09.1993 - 09.1994 **Research Assistant**, The Boundary Layer Wind Tunnel Laboratory, The University of Western Ontario, London, Canada.
- 11.1992 – 10.1995 **Ph.D. program** in Structural Engineering, Department of Structural Analysis and Design, University of Napoli Federico II, Italy.

11.1991 – 10.1992 **Research Assistant**, Institute for Bridge Design, University of Napoli Federico II, Italy.

## TEACHING

### **Structural Design I (5 ECTS Credits)**

Faculty of Engineering, University of Reggio Calabria, Italy.  
years 2002-03, 2003-04, 2004-05, 2005-06, 2007-08, 2008-09, 2009-10

### **Structural Design II (5 ECTS Credits)**

Faculty of Engineering, University of Reggio Calabria, Italy.  
years 2002-03, 2003-04

### **Structural Design ( 12 ECTS Credits)**

Faculty of Engineering, University of Reggio Calabria, Italy.  
years 2010-11, 2011-12, 2012-13

### **Structural Design I (6 ECTS Credits)**

Department of Civil Engineering, Energy, Environment and Materials, University of Reggio Calabria, Italy.  
year 2013-14

### **Structural Design II (6 ECTS Credits)**

Department of Civil Engineering, Energy, Environment and Materials, University of Reggio Calabria, Italy.  
year 2013-14

### **Structural Design (6 ECTS Credits)**

Department of Architecture and Territory, University of Reggio Calabria, Italy.  
year 2014-15

### **Advanced Structural Design (6 ECTS Credits)**

Faculty of Engineering, University of Reggio Calabria, Italy.  
years 1999-2000, 2000-01, 2001-02, 2007-08

### **Bridge Engineering (5 ECTS Credits)**

Faculty of Engineering, University of Reggio Calabria, Italy.  
years 1999-2000, 2000-01, 2001-02, 2008-09, 2009-10

### **Wind Engineering (5 ECTS Credits)**

Faculty of Engineering, University of Reggio Calabria, Italy.  
years 2001-02, 2002-03, 2003-04, 2004-05, 2005-06, 2007-08, 2008-09, 2009-10

### **Wind Engineering (6 ECTS Credits)**

Faculty of Engineering, University of Reggio Calabria, Italy.  
years 2010-11, 2011-12

### **Wind Engineering of Structures (6 ECTS Credits)**

Faculty of Engineering, Technical University of Denmark, Lyngby.  
year 2006-07

### **Fundamentals of Wind Engineering (6 ECTS Credits)**

Faculty of Engineering, University of Napoli Federico II, Italy.  
year 2006-07

### **Structural Design I (6 ECTS Credits)**

Department of Civil Engineering, Design, Building and Environment, University of Campania “Luigi Vanvitelli”  
years 2011-12, 2012-13, 2013-14, 2015-16, 2016-17, 2017-18, 2018-2019

### **Structural Design I (9 ECTS Credits)**

Department of Engineering, University of Campania “Luigi Vanvitelli”  
years 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-20

### **Structural Design II (9 ECTS Credits)**

Department of Civil Engineering, Design, Building and Environment, University of Campania “Luigi Vanvitelli”

year 2016-17

**Bridge Engineering (9 ECTS Credits)**

Department of Engineering, University of Campania “Luigi Vanvitelli”

years 2016-17, 2017-18, 2018-19, 2019-20

**OTHER TEACHING ACTIVITY**

- 2019 **Instructor** of the Continuing Education course on “*Approccio Applicativo alle NTC 2018*”, Society of Engineeris of Caserta, Italy.
- 09.2017 **Instructor** of the course “*Design of wind-excited Civil Structures: phenomenological basis, performances assessment, solutions and case studies*”, Ph.D. Program in Structural Engineering, Sapienza Università di Roma.
- 04.2017 **Instructor** of the Training School *Advances in Wind Energy Technology III*, Università della Campania “Luigi Vanvitelli”.
- 2015 **Instructor** of the Continuing Education course on *Structural Engineering*, Society of Architects of Caserta, Italy.
- 2015 **Instructor** of the Continuing Education course on *Structural Engineering*, Society of Engineers of Caserta, Italy.
- year 2008-09 **Instructor** of the Continuing Education course on *Seismic design of structures after the recent Codes of Practice*, Society of Engineers of Reggio Calabria, Italy.
- 2008 **Instructor** of the International Ph.D. Program on *Mitigation of Risk due to Natural Hazards on Structures and Infrastructures*, University of Florence, Italy and TU Braunschweig, Germany.
- 11.2007 **Instructor** of the Continuing Education course on *Design of wind resistant structures*, University of Florence, Italy.
- year 2006-07 **Instructor** of the Master Program on *Emerging Technologies for Constructions*, University of Napoli Federico II, Italy.
- 03.2003 **Instructor** of the Short Course on *Metal structures: design, codification and applications in Civil and Industrial Engineering*, Society of Engineers of Siracusa, Italy.
- 2002 to 2007 **Instructor** of the International Ph.D. Program on *Risk management on the built environment*, University of Florence, Italy and TU Braunschweig, Germany.
- 06.2002 **Instructor** of the Intensive Program Socrates/Erasmus on *Risk management on the built environment*, University of Florence, Italy.
- 04.2002 **Instructor** of the short Course on Wind Engineering, Faculty of Architecture, University “G. D’Annunzio” of Chieti-Pescara, Italy.
- 11.2000 **Instructor** of the short Course on Wind Engineering, Department of Structural Analysis and Design, Faculty of Engineering, University of Napoli Federico II, Italy.
- years 1999-00 to 2003-04 **Instructor** of Course on Personal Computer applications in Structural Design, Faculty of Engineering, University of Napoli Federico II, Italy.
- years 1999-00 and 2000-01 **Lectures** in the Post-Graduate School in Urban Planning, Faculty of Architecture, University of Napoli Federico II, Italy.
- years 1994-05 to 1999-00 **Teaching Assistant**, Department of Structural Analysis and Design, Faculty of Engineering, University of Napoli Federico II, Italy.
- year 1993-04 **Teaching Assistant**, Department of Mechanical Engineering, Faculty of Engineering Science, The University of Western Ontario, London, Canada.

years 1991-02 and 1992-93 **Teaching Assistant**, Institute for Bridge Design, Faculty of Engineering, University of Napoli Federico II, Italy.

#### TUTORING ACTIVITY

year 2006-07 **Member of the Board of Teachers** of the Master Program on Design of Steel Structures, University of Napoli Federico II, Italy.

1992 to date **Co-advisor of 13** Master Theses.

2001 to date **Advisor of 47** Undergraduate/Master Theses.

#### RESEARCH ACTIVITY

1991 to date **Author** of more than 170 papers (44 of which in Refereed International Journals) with 90+ co-authors.

1993 to date **Partecipation** in 35 funded Research Projects.

2015 to date **Member of** Working Group 1 of COST TU1304 *Wind energy technology reconsideration to enhance the concept of smart cities*.

2016-17 to date **Member of the Board of Teachers** of the Ph.D. Program on “*Environment, Design, Innovation*” University of Campania “Luigi Vanvitelli”.

2018 **Member of the Scientific Committee** of the 8<sup>th</sup> International Symposium on Environmental Effects on Buildings and People: Actions, Influences, Interactions, Discomfort, Cracow.

2018 **Member of the Scientific Committee** of the 7<sup>th</sup> International Symposium on Computational Wind Engineering, Seoul.

2018 **Member of the Scientific Committee** of the XV Conference of the Italian Association for Wind Engineering IN-VENTO-2018, Napoli, Italy.

2016 **Member of the Scientific Committee** of the XIV Conference of the Italian Association for Wind Engineering IN-VENTO-2016, Spoleto, Italy.

2014 **Member of the Scientific Committee** of the 7<sup>th</sup> International Symposium on Environmental Effects on Buildings and People: Actions, Influences, Interactions, Discomfort, Cracow

2013 to date **Member of the Board of Teachers** of the International Ph.D. Program on “*Civil and environmental engineering*” University of Florence, Italy and TU Braunschweig, Germany.

2011 – 2012 **Member of the Board of Teachers** of the International Ph.D. Program on “*Processes, materials and constructions in civil and environmental engineering and for the protection of the historic-monumental heritage*” University of Florence, Italy and TU Braunschweig, Germany.

2011 **Member of the Scientific Committee** of the 13<sup>th</sup> International Conference on Wind Engineering, Amsterdam.

2010 to date **Expert** for the Research Promotion Foundation of Cyprus

2010 **Member of the Scientific Committee** of the 5<sup>th</sup> International Symposium on Computational Wind Engineering, Chapel Hill.

2010 **Member of the Scientific Committee** of the 6<sup>th</sup> International Symposium on Environmental Effects on Buildings and People: Actions, Influences, Interactions, Discomfort, Cracow

- 2010 **Member of the Scientific Committee** of the 11<sup>th</sup> Italian National Conference on Wind Engineering IN-VENTO-2010, Spoleto, Italy.
- 2009-10 to 2013-14 **Member of the Board of Teachers** of the International Ph.D. Program on Information Technology, University of Reggio Calabria, Italy.
- 2009 to date **Expert for Research Activities** of the European Union.
- 2009 - 2015 **Member of the Scientific Committee** of the project “*Understanding and Controlling Wind-Induced Vibrations of Bridge Cables*” Femernbælt A/S.
- 2008 to date **Member of the Structural Dynamics Group** at the Technical University of Denmark, Lyngby.
- 2008 to date **Member of the Board of Teachers** of the International Ph.D. Program on *Mitigation of Risk due to Natural Hazards on Structures and Infrastructures*, University of Florence, Italy and TU Braunschweig, Germany.
- 2008 **Member of the Scientific Committee** of the 4<sup>th</sup> International Conference on Advances in Wind and Structures, Jeyu, Korea.
- 2008 **Member of the Scientific Committee** of the 10<sup>th</sup> Italian National Conference on Wind Engineering IN-VENTO-2008, Cefalù, Italy.
- 2008 **Member of the Scientific Committee** of the 6<sup>th</sup> International Colloquium on Bluff Body Aerodynamics and Applications BBAA VI, Milan, Italy.
- 2006 **Member of the Scientific Committee** of the 9<sup>th</sup> Italian National Conference on Wind Engineering IN-VENTO-2006, Pescara, Italy.
- 04.2004 to date **Member of the Scientific Committee** of the Inter-University Centre for Building Aerodynamics and Wind Engineering (CRIACIV).
- 2005 **Guest Editor** of the Journal of Wind Engineering and Industrial Aerodynamics, Special Issue devoted to the 8th Italian Conference on Wind Engineering, IN-VENTO-2004.
- 2004 **Member of the Scientific Committee** of the 8<sup>th</sup> Italian National Conference on Wind Engineering IN-VENTO-2004, Reggio Calabria, Italy.
- year 2003-04 to date **Member of the Board of Teachers** of the Ph.D. Program on Structural Engineering and Building Refurbishment, University of Salerno, Italy.
- 07.2002 to 12-2005 **Scientific Director** of the Laboratory of Materials and Structures, University of Reggio Calabria, Italy.
- years 2001-02 and 2002-03 **Member of the Board of Teachers** of the Ph.D. Program on Structural Engineering, University of Salerno, Italy.
- 2001 to date **Referee** for several International Journals, among which: *Journal of Wind Engineering and Industrial Aerodynamics*, *Journal of Engineering Mechanics*, *Wind and Structures*, *Engineering Structures*, *Journal of Applied Mechanics*, *Journal of Sound and Vibration*, *Structural Engineering International*, *Structural Engineering and Mechanics*, *Journal of Bridge Engineering*, *Journal of Fluids and Structures*, *Physica D*, *Shock & Vibration*, *Earthquake Engineering and Engineering Vibration*.
- 2001 to date **Tutor** of 9 Ph.D. students.
- 10.2000 to 10.2003 **Member** of Working Group 4 (*Analytical and Numerical Techniques*) of COST Action C14 *Impact of wind and storms on city life and built environment*.
- 03.2000 to 04.2000 **Visiting Scientist**, The Boundary Layer Wind Tunnel Laboratory, The University of Western Ontario, London, Canada.
- 2000 to date **Responsible** for 10 research contracts, University of Reggio Calabria, Italy
- 10.1999 **Winner** National Research Council (CNR) Award for research activities.

- 09.1999 **National Research Council (CNR) Scholarship** for short term international mobility on *Isolation and dissipation systems for bridges in seismic zones*, University of California Berkeley, USA.
- 11.1997 to 04.1999 **Post-doc Scholarship**, Department of Structural Analysis and Design, University of Napoli Federico II, Italy.
- 05.1997 to 11.1997 **National Research Council (CNR) Scholarship** for international mobility, The University of Western Ontario, London, Canada.
- 05.1997 to 11.1997 **Research Associate**, The Boundary Layer Wind Tunnel Laboratory, The University of Western Ontario, London, Canada.
- 06.1996 to 12.1996 **Research Engineer**, research on Monitoring and Maintenance of Bridges funded by the Ministry of Public Works and the National Research Council, Department of Structural Analysis and Design, University of Napoli Federico II, Italy.
- 01.1995 to 04.1997 **Research Associate**, Department of Structural Analysis and Design, University of Napoli Federico II, Italy.
- 10.1994 to 12-1994 **Research Assistant**, Institute for Bridge Design, University of Napoli Federico II, Italy.
- 09.1993 to 09.1994 **Research Assistant**, The Boundary Layer Wind Tunnel Laboratory, The University of Western Ontario, London, Canada.
- 05.1992 **Winner** of the “G. Pistilli” Prize, Fondazione Politecnica per il Mezzogiorno d’Italia, Napoli, Italy..
- 11.1991 to 07.1993 **Research Assistant**, Institute for Bridge Design, University of Napoli Federico II, Italy.

#### COORDINATION OF FUNDED RESEARCH PROJECTS

1. ***Magnetic Levitation Wind Generator (GELMinCal)*** – Project PONa3\_00308 (PON 2007-13), funded for € 14.338.400. Work Package Coordinator.
2. ***Renewable Energy Generation and Energy Efficiency (RENEW\_MEL)*** – Project PON03PE\_000122 and PON03PE\_00012 (PON 2007-13), Work Package Coordinator.
3. ***Non destructive testing for the assessment of the seismic vulnerability of existing R.C. structures*** - RDB 2007, University of Reggio Calabria, Italy.
4. ***Wind and vibration induced discomfort on humans and human activities***, RDB 2006, University of Reggio Calabria, Italy.
5. ***Synchronisation phenomena and their implications in the design of bridges and footbridges***, PRIN 2006 Ministry for Education and University of Reggio Calabria, Italy.
6. ***Wind and vibration induced discomfort on humans and human activities***, PRIN 2003, Ministry for Education and University of Reggio Calabria, Italy.
7. ***Wind and vibration induced discomfort on humans and human activities***, RDB 2003-2004-2005, University of Reggio Calabria, Italy.
8. ***Modelling, analysis and control of the dynamic response of Civil and Industrial structures***, RDB 2002, University of Reggio Calabria, Italy.

## PARTICIPATION IN FUNDED RESEARCH PROJECTS

1. ***Large scale investigation on a spar buoy for offshore combined wind/wave energy conversion***, Hydralab 2017, responsabile prof. G. Tomasiccho.
2. ***Building Future Lab (BFL)*** Project PONa3\_00309 (PON 2007-13) funded for € 7.930.000, Coordinator prof. C. Trombetta.
3. ***Understanding and controlling wind-induced vibrations of bridge cables*** – Sund & Baelt / Femern Baelt A/S e Technical University of Denmark, Coordinator prof. C.T. Georgakis.
4. ***VINCES – Vibrations in Civil Engineering Structures: source of damage and discomfort, diagnostic and safety assessment tool.***– Prin 2004, Coordinator Prof. A.L. Materazzi.
5. ***Seismic retrofit and refurbishment of strategic civil structures.*** - PRIT 2001, Coordinator prof. A. Santini.
6. ***WINDERFUL: Dominating eolian risk for infrastructures and lifelines*** - Prin 2001, Coordinator C. Borri.
7. ***Religious buildings: analysis, seismic retrofit through isolation and comparison with traditional retrofit strategies*** – PRIN 2000, Coordinator A. De Luca.
8. ***Seismic retrofit and refurbishment of transport buildings: analysis of the Reggio Calabria and Messina railway stations*** – PRIT 2000, Coordinator A. Santini.
9. ***Analysis and control of structures subjected to environmental loads*** - Ex MURST 60% 2000, Coordinator A. Santini.
10. ***Procedures for the design of isolation systems for reinforced concrete bridges*** - GNDT '97 - Obiettivo 7.4: Ponti, Coordinator A. De Luca.
11. ***Identification of the excitation and aerodynamic control of the response of cable-supported bridge decks*** – The Boundary Layer Wind Tunnel Laboratory, University of Western Ontario 1999, Coordinator Horia Hangan.
12. ***Modelling and analysis of dynamic systems with energy dissipating devices*** – Ex MURST 60% 1999, Coordinator A. Santini.
13. ***Analysis, control and mitigation of eolian risk of structures urban environment*** – PRIN 1999, Coordinator C. Borri.
14. ***Wind induced oscillations of adaptive structures: control technologies EOLICA*** – CNR 1997-'98-'99, Coordinator G. Augusti.
15. ***Instructions for the monitoring and maintenance of bridges*** - CNR 1996, Coordinator A. Raitel.
16. ***Cyclic behaviour of structures*** - MURST 60% 1995-'96-'97, Coordinator A. Raitel.
17. ***Assessment and control of slender structure under wind actions*** - MURST 60% 1995-'96-'97, Coordinator M. D'Apuzzo.
18. ***Dynamic identification in the structural vulnerability assessment*** - MURST 60% 1994-'95, Coordinator A. Santosuosso.
19. ***Design and assessment of prestressed concrete sections*** - MURST 60% 1994, Coordinator A. Raitel.
20. ***Behaviour of stone arches under static and dynamic actions*** – CNR 1994, Coordinator prof. A. Raitel.
21. ***Prestressed concrete bridges: theory and applications*** - MURST 60% 1993-'94, Coordinator A. Raitel.
22. ***Energy characterisation of passive, active and hybrid control devices*** - MURST 60% 1993-'94, Coordinator G. Nicolosi.
23. ***Modelling wind actions on structures*** - MURST 60% 1993-'94, Coordinator M. D'Apuzzo.
24. ***Limit design of stone arches*** - CNR 1993, Coordinator A. Raitel.

25. *Aeroelastic instability phenomena in cable stayed bridges* - MURST 60% 1993, Coordinator A. Santosuosso.

## ORGANISATION ACTIVITIES

- 09.2018 **Chairman of the Organising Committee** of the XV Conference of the Italian Association for Wind Engineering IN-VENTO-2018, Napoli.
- 12.2017 to date **Editor in Chief** of *Wind and Structures, an International Journal*; Techno Press.
- 04.2017 **Organizer** of the 3<sup>RD</sup> Training WINERCOST School Advances in Wind Energy Technology, Napoli.
- 10.2016 ad oggi **Member of the Board of Directors**, Department of Civil Engineering, Design, Building and Environment, University of Campania "Luigi Vanvitelli".
- 06.2015 to date **Member of the executive board** of the Italian National Association for Wind Engineering (ANIV).
- 2009 **Member of the Organising Committee** of the 5<sup>th</sup> European and African Conference on Wind Engineering, Florence, Italy.
- year 2008-09 **Coordinator** of the Short Course on *Seismic design of structures after the recent Codes of Practice*, Society of Engineers of Reggio Calabria, Italy.
- 07.2008 to date **Member of the Organising Committee** of the *Benchmark on the Aerodynamics of Rectangular Cylinders*, Italian National Association for Wind Engineering (ANIV) and International Association for Wind Engineering (IAWE).
- 10.2007 – 06.2011 **Secretary General** of the Italian National Association for Wind Engineering (ANIV).
- 06.2007 – 06.2011 **Member of the executive board** of the Italian National Association for Wind Engineering (ANIV).
- 2006 to date **Member of the Board of Directors** of the Inter-University Centre for Building Aerodynamics and Wind Engineering (CRIACIV).
- 2004 **Chairman of the Organising Committee** of the 8<sup>th</sup> Italian Conference on Wind Engineering IN-VENTO-2004, Reggio Calabria, Italy.

## CODIFICATION

- 02.2019 to date **Leader of Project Team** SC1.T6: EN 1991-1-4 (Interdependence of climatic actions (wind, snow, thermal and atmospheric icing) and glass structure) - Mandate M/515 Phase 3 tasks for the development of the 2nd generation of EN Eurocodes.
- 2019 to date **Member of Working Group** CEN/TC 250/SC1/WG1 (Climatic Actions).
- 02.2019 to date **Convenor of Task Group** CEN/TC250/SC1/WG1/T2 (Wind)
- 05.2018 to date **Member of CEN TC250/SC1 mirror Committee** CIS/SC1 "Azioni sulle strutture".
- 06.2017 to date **Membro of Project Team** SC1.T3: EN 1991-1-4 (Wind) - Mandate M/515 Phase 2 tasks for the development of the 2nd generation of EN Eurocodes.
- 2005 to date **Member of the Panel of experts** for the preparation of the Instructions for wind actions and effects on structures, National Research Council CNR-DT 207/2008.
- 2011 – 2106 **Member of CIS/SC 1** "Design criteria and actions on structures".
- 10.2018 to date

**FIELDS OF INTEREST AND EXPERTISE**

- Bridge Engineering
  - Structural behaviour and analysis of bridge structures
  - Men-induced actions on footbridges
  - Long span bridge aerodynamics and aeroelasticity
- Dynamics of systems and structures
  - Random vibrations of structures
  - Crowd-structure interaction mechanisms
  - Crowd dynamics
- Building aerodynamics and wind engineering
  - Wind climate and atmospheric boundary layer flows
  - Bluff body aerodynamics
  - Wind actions on structures
  - Response of Civil structures to the wind actions
  - Aerodynamics and aeroelasticity of bridge decks
  - Wind flows in the urban environment
  - Wind Energy
- Structural control
  - Passive and semi-active Tuned Mass Dampers
  - Energy dissipation systems with viscoelastic behaviour
- Experimental techniques
  - Wind tunnel testing
  - Vibration analysis
  - Experimental techniques for the assessment of men-induced actions on structures

## LIST OF PUBLICATIONS

### REFEREED INTERNATIONAL JOURNALS

- IJ 1 - **Ricciardelli F.** 1996. Prediction of the response of suspension and cable-stayed bridge towers to wind loading. *Journal of Wind Engineering and Industrial Aerodynamics*, **64**, 145-159, ISSN: 0167-6105.
- IJ 2 - **Ricciardelli F.**, Vickery B.J. 1998. The aerodynamic characteristics of twin column, high rise bridge towers. *Wind and Structures*, **1**(3), 225-241, ISSN: 1226-6116.
- IJ 3 - **Ricciardelli F.**, Vickery B.J. 1999. Tuned vibration absorbers with dry friction damping. *Earthquake Engineering and Structural Dynamics*, **28**(7), 707-723, ISSN: 0098-8847.
- IJ 4 - **Ricciardelli F.** 1999. A linear model for structures with Tuned Mass Dampers. *Wind and Structures*, **2**(3), 151-172, ISSN: 1226-6116.
- IJ 5 - Raithel A., **Ricciardelli F.** 2000. Influence of coupling of two box decks. *Engineering Structures*, **22**(5), 502-512, ISSN: 0141-0296.
- IJ 6 - **Ricciardelli F.**, Occhiuzzi A. Clemente P. 2000. Semi-Active Tuned Mass Damper Control Strategy for Wind Excited Structures. *Journal of Wind Engineering and Industrial Aerodynamics*, **88**(1), 57-74, ISSN: 0167-6105.
- IJ 7 - **Ricciardelli F.** 2001. On the amount of Tuned Mass to be added for the reduction of the shedding induced response of chimneys. *Journal of Wind Engineering and Industrial Aerodynamics*, **89**(14-15), 1539-1551, ISSN: 0167-6105.
- IJ 8 - **Ricciardelli F.**, Hangan H. 2001. Pressure distribution and aerodynamic forces on stationary box bridge sections. *Wind and Structures*, **4**(5), 399-412, ISSN: 1226-6116.
- IJ 9 - Mattei M., **Ricciardelli F.** 2002. Mathematical Model for the Design of Mass Dampers for Wind Excited Structures. *Journal of Engineering Mechanics*, **128**(9), 979-988, ISSN: 0733-9399.
- IJ 10 - **Ricciardelli F.**, de Grenet E.T., Hangan H. 2002. Pressure distribution, aerodynamic forces and dynamic response of box bridge sections. *Journal of Wind Engineering and Industrial Aerodynamics*, **90**(10), 1135-1150, ISSN: 0167-6105.
- IJ 11 - **Ricciardelli F.**, de Grenet E.T., Solari G. 2002. Analysis of the wind loading of a bridge deck box section using Proper Orthogonal Decomposition. *Journal of Fluid Mechanics Research*, **29**(3-4), 312-322, ISSN: 1064-2277.
- IJ 12 - Palmeri A., **Ricciardelli F.**, De Luca A., Muscolino G. 2003. State Space Formulation for Linear Viscoelastic Dynamic Systems With Memory. *Journal of Engineering Mechanics*, **129**(7), 715-724, ISSN: 0733-9399.
- IJ 13 - **Ricciardelli F.**, Pizzimenti A.D., Mattei M. 2003. Passive and active mass damper control of the response of tall buildings to wind gustiness. *Engineering Structures*, **25**(9), 1199-1209, ISSN: 0141-0296.
- IJ 14 - **Ricciardelli F.** 2003. On the wind loading mechanism of long-span bridge deck box sections. *Journal of Wind Engineering and Industrial Aerodynamics*, **91**(12-15), 1411-1430, ISSN: 0167-6105.
- IJ 15 - de Grenet E.T., **Ricciardelli F.** 2004. Analysis of the wind loading of square cylinders using Covariance Proper Transformation. *Wind and Structures*, **7**(2), 71-88, ISSN: 1226-6116.
- IJ 16 - Palmeri A., **Ricciardelli F.**, Muscolino G., De Luca A. 2004. Effects of viscoelastic memory on the buffeting response of tall buildings. *Wind and Structures*, **7**(2), 89-106, ISSN: 1226-6116.
- IJ 17 - Palmeri A., **Ricciardelli F.**, Muscolino G., De Luca A. 2004. Random vibration of systems with viscoelastic memory. *Journal of Engineering Mechanics*, **130**(9), 1052-1061, ISSN: 0733-9399.

- IJ 18 - de Grenet E. T., **Ricciardelli F.** 2004. Spectral Proper Transformation of wind pressure fluctuations: application to a square cylinder and a bridge deck. *Journal of Wind Engineering and Industrial Aerodynamics*, **92**(14-15), 1281-1297, ISSN: 0167-6105.
- IJ 19 - Muscolino G., Palmeri A., **Ricciardelli F.** 2005. Time domain response of linear hysteretic systems to deterministic and stochastic excitations. *Earthquake Engineering and Structural Dynamics*, **34**(4), 1129-1147, ISSN: 0098-8847.
- IJ 20 - Palmeri A., **Ricciardelli F.** 2006. Fatigue analyses of buildings with viscoelastic dampers. *Journal of Wind Engineering and Industrial Aerodynamics*, **94**(2), 377-395, ISSN: 0167-6105.
- IJ 21 - **Ricciardelli F.**, Polimeno S. 2006. Some characteristics of the wind flow in the lower Urban Boundary Layer. *Journal of Wind Engineering and Industrial Aerodynamics*, **94**(11), 815-832, ISSN: 0167-6105.
- IJ 22 - **Ricciardelli F.**, Pizzimenti A.D. 2007. Lateral walking-induced forces on footbridges. *Journal of Bridge Engineering*, **12**(6), 677-688, ISSN: 1084-0702.
- IJ 23 - Occhiuzzi A., Spizzuoco M., **Ricciardelli F.** 2008. Loading models and response control of footbridges excited by running pedestrians. *Journal of Structural Control and Health Monitoring*, **15**, 349-368, ISSN: 1554-2255.
- IJ 24 - **Ricciardelli F.** 2010. Effects of the vibration regime on the spanwise correlation of the aerodynamic forces on a 5:1 rectangular cylinder. *Journal of Wind Engineering and Industrial Aerodynamics*, **98**(4-5), 215-225, ISSN: 0167-6105.
- IJ 25 - Bartoli G., **Ricciardelli F.** 2010. Characterisation of pressure fluctuations on the leeward and side faces of rectangular buildings and accuracy of the quasi steady loads. *Journal of Wind Engineering and Industrial Aerodynamics*, **98**(10-11), 512-519, ISSN: 0167-6105
- IJ 26 - Ingolfsson E.T., Georgakis C.T., **Ricciardelli F.**, Jonsson J. 2011. Experimental identification of pedestrian-induced lateral forces on footbridges. *Journal of Sound and Vibration*, **330**, 1265-1284.
- IJ 27 - **Ricciardelli F.**, Briatico C. 2011. Transient response of supported beams to moving forces with sinusoidal time variation. *Journal of Engineering Mechanics*, **137**(6), 422-430, ISSN 0733-9399/2011/6-422.
- IJ 28 - Ingolfsson E.T., Georgakis C.T., Jonsson J., **Ricciardelli F.** 2011. Pedestrian-induced Lateral Forces on Footbridges. *Noise and Vibration WorldWide*, **42**(8), 11-17, ISSN 0957-4565.
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