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Research ID: F-1281-2010

CURRENT POSITION(S)

- 2025 –Present **President**, International Association of Resilient Cities and Structures, (www.iarcs.eu), ITALY.
- 2020 –Present **Full Professor**, Structural Engineering, Politecnico di Torino, Department of Structural, Building & Geotechnical Engineering (DISEG), ITALY.
- 2021 –Present **Editor in Chief and co-founder** of *Journal of Resilient Cities and Structures* (RCS) published by Elsevier
<https://www.elsevier.com/journals/resilient-cities-and-structures/2772-7416/open-access-information>.
- 2023 – Present **Member, Executive Board of Directors of ASSISI**, the Anti-Seismic Systems International Society (<http://assisisociety.org/>).
- 2019 – Present **Member, Governing body of SHMII**, The International Society for structural Health Monitoring of Intelligent Infrastructures, USA (<https://ishmii.org/contact-2/council/>)
- 2017 – Present **Chair of the SHMII Committee on Resilient Structures and Infrastructure (CORSI)** of the International Society for structural Health Monitoring of Intelligent Infrastructures (<http://areweb.polito.it/ricerca/ICRED/index.php>).
- 2016 – Present **Guest Editor in the ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems: Part A. Civil Engineering (Special Issue number SI024A)** of the special collection entitled: “Resilience quantification and modeling for decision making”
- 2015 - Present **Director, Disaster Resilience Simulation Laboratory (DRSIL)** (<http://areweb.polito.it/drsil/>) of the Politecnico di Torino, Department of Structural, Building & Geotechnical Engineering (DISEG), ITALY.
- 2011 – 2018 **Chair of the ASCE Committee on *Disaster Resilience of Structures, Infrastructures and Communities***.

EDUCATION

- 2008 **Ph.D.**, Civil Engineering, Feb. 2008,
State University of New York at Buffalo (SUNY), The State University of New York, Department of Civil, Structural and Environmental Engineering, USA.
Advisor Prof. A.M. Reinhorn, Department of Civil, Structural and Environmental Engineering.
Dissertation title: “*Improving seismic resilience of structural systems through integrated design of structures*”
- 2008 **Ph.D.**, Civil Engineering-Curriculum Structural-Seismic, Feb. 2008,
University of Pavia, Dept. of Structural Mechanics (DIPMEC), ITALY.
Advisor Prof. E. Calligaris, Department of Physics.
Dissertation title: “*Passive Control of Industrial Structures for Natural Hazard Mitigation: Analytical Studies and Applications*”

- 2005 **M.S., Earthquake Engineering, Feb. 2005,**
State University of New York at Buffalo (SUNY), The State University of New York, Dept. of Civil, Structural and Environmental Engineering, USA.
 Advisor Prof. A.M. Reinhorn, Department of Civil, Structural and Environmental Engineering. Thesis title: *“Multidimensional Fragility of structures: Formulation and evaluation”*
- 2012 M.S., Master in Information System, Integration and Auditing – (MBA - IT Governance), Feb. 2012.
 University of Turin, School of Management (SAA), ITALY.
 Advisor Prof. A. Devalle. School of Management, University of Turin.
 Thesis title: *“Constitution of a s.r.l. company: laws and regulations with particular attention to a spin-off company”*
- 2001 B.S., Civil Engineering (Hydraulics 5 yrs program).
 University of Rome “La Sapienza”, March 21, 110/110 Summa Cum Laude, Department of Civil Engineering, Rome, ITALY.
 Advisor Prof. R. Guerzio. Department of Hydraulic Engineering.
 Thesis title: *“Technique of defense of the embankments: experimentation with articulated concrete blocks”*

PREVIOUS POSITIONS

- 2019 – 2023 **General Secretary of ASSISI**, the Anti-Seismic Systems International Society (<http://assisisociety.com/>).
- 2018 - 2019 **Visiting Professor, Tsinghua University**, Department of Construction management, China.
- 2014 –2020 **Associate Professor**, Structural Engineering, Politecnico di Torino, Department of Structural, Building & Geotechnical Engineering (DISEG), ITALY.
- 2014 - 2016 **Visiting Professor**, March 2014-February 2016, **University of California at Berkeley**, Department of Civil and Environmental Engineering, Berkeley, CA, USA.
- 2008 –2014 **Assistant Professor**, Structural Engineering, Politecnico di Torino, Department of Structural, Building & Geotechnical Engineering (DISEG), ITALY.
- 2009 **Visiting professor**, Dept. of Civil, Structural and Environmental Engineering, Jan 2009-June 2009, **University at Buffalo (SUNY)**, The State University of New York, USA.
- 2008 **Post-doctoral Research Associate**, Dept. of Civil, Structural and Env. Eng., Jan. 2008-Dec. 2008, **University at Buffalo (SUNY)**, The State University of New York, USA.
- 2007 **Structural and Test Engineer at SEESL** (Seismic Earthquake Engineering Simulation laboratory), Jan. 2007-May. 2007, **University at Buffalo (SUNY)**, The State University of New York, USA.
- 2003 **Visiting scholar**, Dept. of Civil, Structural and Environmental Engineering, June-September 2003, **University at Buffalo (SUNY)**, The State University of New York, USA. Advisor: Prof. T.T. Soong
- 2003 **Structural and Test Engineer in ENEA Research Center- Laboratory of Structural Dynamics and vibration control** (Italian National agency for new technologies, Energy and Environmental), Jan. 2003 - June. 2003.

LICENCES

Professional Engineer, P.E. Italy, since July, 2001

RESEARCH FIELDS

- Disaster Resilience and Sustainability
- Infrastructure and network interdependencies
- Structural Dynamics and Earthquake Engineering
- Structural Health Monitoring (SHM)

- Machine learning and big data analysis
- Large scale simulations using advanced methods
- Structural Vibration Control Using Passive, Semi-Active and Active Control Systems
- Reliability and Vulnerability of Structures
- Random vibration
- Experimental research laboratory activities on shaking table

PROFESSIONAL ACCOMPLISHMENT AND AWARDS

- 2023 ILEE professor award for highest achievements in the field of Seismic Resilience for cities and structures, International Joint Research laboratory of Earthquake Engineering, Tongji University, China.
- 2022 Award for Editorial Excellence for his outstanding contribution to the Journal of Civil Structural Health Monitoring - JSCHM.
- 2022 The professor. Cimellaro is in the "100000 Top-Scientists" ranking, n. 229 (8 in Italy) in the "Sub-Field of Civil Engineering" in 2022 as reported in the study "Baas, Jeroen; Boyack, Kevin; Ioannidis, John P.A. (2021), "Data for" Updated Science-Wide Author Databases of Standardized City Indicators "", Mendeley Data, V3, Doi: 10.17632/BCTHXTZYW.3 ".
- 2018 2nd prize of drawing at the International Conference on Infrastructure Resilience, ETH, Zurich.
- 2017 Best Presentation Award (2017) at the Structural Health monitoring of Intelligent Infrastructure Conference 2017 (SHMII-8), Brisbane, Australia.
- 2017 Certificate of Appreciation (2017) at the International Workshop of Performance-Based Seismic Design of Structures, Resilience, Robustness, Tongji University, China.
- 2015 Seed Grant Award by the Siebel Energy Institute in the amount of \$25,000, Fairmont Hotel, San Francisco, California, August 4, 2015.
- 2014 **ERC-StG-2014 Starting Grant**, sponsored by the **European Research Council**, 2015-2019. Budget: 1.3M Euro.
- 2012 Certificate of Recognition for the work and the commitment provided in the performance of activities related to civil defense emergency management realized during 2012 Emilia Earthquake, sponsored by the *Piedmont Region*.
- 2011 Fib Achievement Award for Young Engineers 2011 to recognize outstanding contribution to structural concrete for his thesis "Improving Seismic Resilience of Structural systems through integrated design of smart structures", sponsored by fib - *fédération internationale du béton, the international federation for structural concrete*, June 8th, 2011.
- 2011 Young Researcher Award Research Grant sponsored by the Politecnico di Torino, July 2011.
- 2010 Young Researcher Award Research Grant sponsored by the Politecnico di Torino, Dec. 2010.
- 2009 Young Researcher Award Research Grant sponsored by the Politecnico di Torino, July 2009.
- 2008 14WCEE Travel Funds Award, awarded through a grant from the National Science Foundation, managed by MCEER in collaboration with EERI.
- 2008 - Present Listed in "Who is Who in the America" Marquis.
- 1994 First Prize award in the Olympics of Mathematic in "A. Avogadro High School" sponsored by School "Superiore Normale" of Pisa and participation in the National Competition in Cesenatico, Italy, 1994.
- 1994 Third Prize award in the Olympics of Mathematic in University of Rome "Tor Vergata", 1994.
- 1993 First Prize award in the Olympics of Mathematic in "A. Avogadro High School" sponsored by School "Superiore Normale" of Pisa and participation in the National Competition in Cesenatico, Italy, 1993.

FELLOWSHIPS/SCHOLARSHIPS

- 2013-2016 Marie Curie Actions— International Outgoing Fellowships (MSCA-IOF) - Project Title: IRUSAT— Improving Resilience of Urban Societies through Advanced Technologies August 2013-August 2016.
- 2010-2014 Marie Curie Actions— International Reintegration Grant (MSCA-IRG) – Project Title: ICRED-Integrated European Disaster Community Resilience, GA no.: PIRG06-GA-2009-256316.
- 2007 Marie Curie Research Training Scholarship- Project Title: European Atelier for Engineering and Computational Science - EUA4X Grant agreement no.: MSCF-CT-2004-013336, sponsored by Seventh Framework Programme, October 2007
- 2005-2008 Fellowship sponsored by the National Institute of Nuclear Physics (INFN) for research activities on ICARUS project, July 2005 – February 2008.
- 2004-2007 Fellowship sponsored by the US National Science Foundation (NSF) (through MCEER) to provide support for research activities on the fragility evaluation of buildings, May 2004 – December 2007.
- 2004 Training Scholarship for foreign countries sponsored by University of Rome “La Sapienza”, November 2004.
- 2001- 2003 Research Grant of Italian Ministry of Education and Research, November 2001 – August 2003.
- 2001 Fellowships for the Master in Geophysics sponsored by the Ecole du Petrole et des Moteurs in Paris, July 2001.
- 2001 Training Scholarship for foreign countries sponsored by University of Rome “La Sapienza”, November 2001.

EDITORIAL BOARD MEMBER

- 2025 – **Editorial Board member** of *ASCE Journal of Structural Engineering* (ASCE_JSE).
- 2021 – **Editor in Chief and co-founder** of *Journal of Resilient cities and structures* (RCS)
- 2020 – **Editorial Board member** of *Journal of Civil Engineering Inter Disciplinary* (JCEID).
- 2019 – **Editorial Board member** of *Journal of Civil Structural Health Monitoring* (JCSHM).
- 2018 – **Editorial Board member** of *International Journal of Earthquake and Impact Engineering*.
- 2018 – **Editorial Board member** of *Geosciences* , - <https://www.mdpi.com/journal/geosciences/editors>.
- 2018 – **Editorial Board member** of *Geohazards*.
- 2018 – **Editorial Board member** of *Journal of Infrastructure Preservation and Resilience*.
- 2018 – **Editorial Board member** of Computational Methods in Structural Engineering section in “*Frontiers Built Environment*”, Open Access Journal, <http://www.frontiersin.org/> .
- 2016 – **Guest Editor in the ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems: Part A. Civil Engineering** “*Resilience quantification and modeling for decision making*” (Special Issue number SI024A).
- 2015 – **Editorial Board member** of “*Sustainable and Resilient Infrastructure*”, Taylor and Francis journal.
- 2014 – **Editorial Board member** of “*KSCE Journal of Civil Engineering*”, Springer Edition, Impact factor 0.600.
- 2014 – **Editorial Board member** of “*Frontiers*”, Open Access Journal, <http://www.frontiersin.org/> .
- 2014 – **Editorial Board member** of “*Structural Monitoring and Maintenance (SMM)*” Journal, TECHNO Press.
- 2013 – **Editorial Board member** of “*Earthquake Engineering and Engineering Vibration*” Journal, Springer edition, Impact factor 1.05.
- 2013 – 2015 **Guest Editor in the ASCE Journal of Structural Engineering** of the special Issue entitled: “*Resilience-based design of structures and infrastructures* , in the ASCE Journal of Structural Engineering, Impact factor=1.206. (<http://ascelibrary.org/page/jsendh/specialissueonresilience-baseddesignofstructuresandinfrastructures>)
- 2012 – 2013 **Editorial Advisory Board** for the book entitled “*Design Optimization of Active and Passive Structural Control Systems*” published by IGI Global (www.igi-global.com).

JOURNAL REVIEWER

I am currently reviewer of several journals. The number of review conducted on average per year is 30. Below is a selected list of journals on which I am currently reviewer.

- Journal of Structural Engineering, ASCE*
- Journal of Bridge Engineering, ASCE*
- Journal of Sound and Vibration*
- Earthquake Spectra*
- Engineering Structures*
- Earthquake Engineering & Structural Dynamics*
- Journal of Structural Control and Health Monitoring*
- Journal of Structure and Infrastructure Engineering*
- Earthquakes and Structures*
- Structural Safety*
- Natural Hazards*
- MCEER Reports*
- Bulletin of Earthquake Engineering*
- Etc.*

INTERNATIONAL STANDARDIZATION ACTIVITIES

2026 **ISO/TC 59/SC 20 – Resilience of Buildings and Civil Engineering Works**
Project Leader – ISO/PWI 26717 “Resilience of buildings and civil engineering works — Seismic resilience Assessment methods”.
-Co-leading development of an ISO standard on seismic resilience assessment of infrastructure
-Defining quantitative frameworks for loss and recovery evaluation
-Contributing to international harmonization of resilience methodologies

REVIEW PANEL COMMITTEE MEMBER

2026 **Expert reviewer for European Commission (Horizon Europe program) (contract number EX2006C156908) Implementation to the Preparatory Action “New European Bauhaus Knowledge Management Platform”**

2023 **Expert reviewer for European Commission (Horizon Europe program) (contract number EX2006C156908) Implementation to the Preparatory Action “New European Bauhaus Knowledge Management Platform”**

2018-present **Expert reviewer for European Commission (H2020 program) (contract number EX2006C156908)**
-*European Commission (H2020 program)*
-*Israel Science Foundation (ISF)*
-*Romanian National Project proposals*
-*Portugal National Projects proposals of the Portuguese Foundation for Science and Technology*
-*Canada Discovery Grant Projects proposals of the Government of Canada.*

COUNCIL DOCTORAL COMMITTEE MEMBER

2016-present **Civil and Environmental Engineering Ph.D. Program (DOT1532318), Politecnico di Torino, Italy,**
Ph.D. Coordinator, Prof. P. Cornetti.

TEACHING EXPERIENCE

Ph.D. level Courses:

- 2023 ILEE PhD Course: **Seismic resilience for cities and structures**, sponsored by the International Joint Research laboratory of Earthquake Engineering, Tongji University, China, July 31-August 12, 2023.
- 2019-present **Advanced seismic protection systems for traditional and timber structures**, Course sponsored by the PhD program in Civil and Environmental Engineering of the Doctoral School of the Politecnico di Torino.
- 2018 **Resilience of Communities under emergencies**, Course sponsored by the Institute of Future Cities and Infrastructures & Department of Construction management, Oct 23-26, 2018, Tsinghua University, Beijing, China.
- 2017 **Resilience-Based design of structures and infrastructures during emergencies**, Course sponsored by the Engineering Mechanics Institute (EMI), June 4th 9:00am room Balboa 2 at the Omni Hotel, San Diego, USA, <http://jacobsschool.ucsd.edu/emi2017/short-courses.shtml>.
- 2017-present **Complex decision making under emergencies**, Course sponsored by the PhD program in Civil and Environmental Engineering of the Doctoral School of the Politecnico di Torino.
- 2011 **Improving Community Resilience through emerging systems in North America Seismic design** Course by Prof. M. Bruneau from University at Buffalo (SUNY) and Dr. Cimellaro from the Politecnico di Torino, sponsored by the Doctoral School of Civil Engineering of the Politecnico di Torino, March 14-18th, 2011, 40 students.
- 2011 **Supplemental damping and seismic isolation for resilient structures** Course by Prof. A. Filiatrault from University at Buffalo (SUNY) and Dr. Cimellaro from the Politecnico di Torino, sponsored by the Doctoral School of Civil Engineering of the Politecnico di Torino, November 21-25th, 2011, 40 students.

Graduate courses:

- 2022 **Design of wood and glass structures** Course (01UWDNB), Faculty of Engineering, Spring 2022, Politecnico di Torino, Italy.
- 2022 **Seismic retrofit of existing structures** Course (01VKLMX), Faculty of Engineering, Spring 2022, Politecnico di Torino, Italy.
- 2018 - 2019 **Introduction to finite element method** Course (01PEZMX), Faculty of Engineering, Politecnico di Torino, Italy, 122 students.
- 2016 - 2018 **Structural Mechanics** Course, Struttura Universitaria Interdipartimentale in Scienze Strategiche (SUISS), University of Turin, Torino, Italy, 20 students.
- 2017-present **Complex decision making under emergencies**, ASP Winter School XII cycle, Alta Scuola Politecnica, March 13-17 2017, 150 students. Top students from Politecnico di Milano and Turin.
- 2014 - present **Earthquake Engineering** Course (05BINNB), Faculty of Engineering, Politecnico di Torino, Italy, 114 students.
- 2013 **Earthquake Engineering** Course (CIV2T1- 03BINMX - 03BINNF), Faculty of Engineering, Fall 2013, Politecnico di Torino, Italy, 114 students.
- 2012 **Earthquake Engineering** Course (CIV2T1- 03BINMX - 03BINNF), Faculty of Engineering, Fall 2012, Politecnico di Torino, Italy, 88 students.
- 2011 **Earthquake Engineering** Course (CIV2T1- 03BINMX - 03BINNF), Faculty of Engineering, Fall 2011, Politecnico di Torino, Italy, 42 students.
- 2010 **Design of seismic structures** Course (CIV2T1- 01INWFU), Faculty of Engineering, Spring 2010, Politecnico di Torino, Italy, 55 students.
- 2009 **Earthquake Engineering** Course (CIV2T1-01BINFZ), Faculty of Engineering, Fall 2009, Politecnico di Torino, Italy, 107 students.
- 2009 **Dynamics of Structures** Course (CIV2T1-01INUFU), Faculty of Engineering, Fall 2009, Politecnico di Torino, Italy, 144 students.
- 2009 **Design of seismic structures** Course (CIV2T1- 01INWFU), Faculty of Engineering, Spring 2009, Politecnico di Torino, Italy, 30 students.

2009 -present Founding faculty of the **Politecnico di Torino Student Chapter of EERI**.
 Faculty Advisor of EERI Polito student Chapter (http://areeweb.polito.it/didattica/EERI_POLITO_SC/).
 The first EERI student Chapter in Europe as mentioned in EERI Newsletter, April 2009 Volume 44,
 Number 4 (https://www.eeri.org/site/images/eeri_newsletter/2010_pdf/Apr10.pdf)

Undergraduate courses:

2013 **Structural Engineering** Course (01PGVPM), Faculty of Architecture, Fall 2013, Politecnico di Torino, Italy, 189 students.
 2013 **Structures I** Course (05NBIPM - 05ERKEO), Faculty of Architecture, Spring 2013, Politecnico di Torino, Italy, 92 students.
 2003 **Solid Mechanics**, Faculty of Engineering, University of Rome “La Sapienza”, Rome, Italy, 80 students.

Training courses:

2012 **Technical standards on buildings and seismic classification** sponsored by the Piedmont Region, 19-20 January 2012, 28-29 February 2012.

PROJECT RESEARCH GRANTS

[21] **ARCADIA**— Augmented Reality, operator-centred tools, CAusal inference & Digital Twins for Infrastructure Assessment. Grant No. 211315537: HORIZON-MSCA-2026-SE-01 sponsored by the European Commission, Dec. 2026 – Nov. 2030, Budget €1,58M.

[21] **SHIELD**— Safety and Multi Hazard Identification for resilient European Hydrogen Infrastructure and Logistics Development Grant No. 1101236682: HORIZON-MSCA-2024-SE-01 sponsored by the European Commission, Dec. 2025 – Nov. 2029, Budget €1,58M.

[20] **RESILFIRE** - Dynamic Infrastructures and Resilient Communities: a Systemic Approach to Wildfire Risk Mitigation and Adaptation Grant No. 101209997. HORIZON-MSCA-2024-PF-01-01 sponsored by the European Commission, Nov. 2025- Oct. 2028, Budget: € 396991,08.

[19] **FOURIER**— InnOvative ArtiFicial IntelligencE methodologIes for monitoRing and maintaining large scale complex infrastrUctures and obtaining greener, more Resilient and smart societies Grant No. 101169429: HORIZON-MSCA-2023-DN-01-01 sponsored by the European Commission, Dec. 2024 – Nov. 2028, Budget €3.83M.

[18] **ReCharged**— Climate-aware Resilience for Sustainable Critical and Interdependent Infrastructure Systems enhanced by emerging Digital Technologies Grant No. 101086413 : H2020-MSCA-RISE-2020 SEP-210655928 sponsored by the European Commission, Jan. 2023 – Oct. 2026, Budget: € 193,200.

[17] Finite Element-based methodology to quantify the functionality of urban physical system following earthquake, **PoC Instruments-LINKS 2021 Proof of Concept Grant**, sponsored by Fondazione Compagnia di San Paolo, 2021: Principal Investigator (PI), Budget: € 50.000.

[16] **IDEALDRONE** - Use of drones for Emergency Management, **ERC-2019 Proof of Concept Grant**, sponsored by the **European Research Council**, 2019-2021: Principal Investigator (PI), Budget: € 150.000.

[15] Resilience-Based design of buildings under multiple hazards, **Joint Project with ETH Zurich - Swiss Federal Institute of Technology**, sponsored by the **San Paolo Foundation**, 2017-2020: Principal Investigator (PI).

[14] **IDEALSENSOR** - Integrated Smart Device for Emergency Management, **ERC-2016 Proof of Concept Grant**, sponsored by the **European Research Council**, 2016-2017: Principal Investigator (PI), Budget: € 150.000.

- [13] Design and construction of a tri-dimensional shaking table with augmented reality, sponsored by the Politecnico di Torino Commission Program for graduate student projects, Nov. 2016 – Oct. 2017: Principal Investigator (PI).
- [12] Adaptive and Intelligent System for Energy Consumption Optimization Using IoT-based Mobile Sensor Networks and Structural Health Monitoring Systems, Seed Grant sponsored by the Siebel Energy Institute of the University of California at Berkeley, May 2016 – Oct. 2016: Principal Investigator (PI) with Prof. S. Mahin.
- [11] **REEDING-** Improving Reliability and Efficiency of Electrical Distribution Infrastructures, Seed Grant sponsored by the Siebel Energy Institute of the University of California at Berkeley, Aug. 2015 – Jan. 2016: Principal Investigator (PI).
- [10] Design and construction of a bi-directional shaking table, sponsored by the Politecnico di Torino Commission Program for graduate student projects, Apr. 2015 – Mar.2016: Principal Investigator (PI).
- [9] **IDEal reSCUE -** Integrated DEsign and control of Sustainable CommUnities during Emergencies, **ERC-2014 Starting Grant**, sponsored by the **European Research Council**, 2015-2019: Principal Investigator (PI), Budget: € 1.3M.
- [8] A framework for modelling and assessing the effectiveness of resilience enhancement strategies for structures and infrastructures, Joint project for the internationalization of the Research sponsored by the San Paolo Foundation and the Politecnico di Torino, Oct. 2013 – Nov. 2014: Principal Investigator (PI).
- [7] Design and construction of a monodirectional shaking table, sponsored by the Politecnico di Torino Commission Program for graduate student projects, Dec. 2013 – Nov. 2014: Principal Investigator (PI).
- [6] **IRUSAT—** Improving Resilience of Urban Societies through Advanced Technologies Grant agreement no.: PIOF-GA-2012-329871 sponsored by the European Commission, Aug. 2013 – Aug. 2016: Principal Investigator (PI), Budget: € 350000.
- [5] **MITOR-** Increasing Resilience of Communities to Earthquakes through Smart Phones after the 2012 Emilia Event, sponsored by MIT-POLITO joint MITOR program between Massachusetts Institute of Technology (MIT) and the Politecnico di Torino (POLITO), Jan. 31, 2013- Aug. 31, 2014: Principal Investigator (PI).
- [4] **ECRIS -** European Communities resilient integrated through Smart Phones Grant agreement no.: 3435777CDC, sponsored by Israel-Italy Joint Innovation Program for Industrial, Scientific and Technological Cooperation in R&D, EUREKA Label, Mar.2012- Feb. 2014: Principal Investigator (PI).
- [3] **ICRED-**Integrated European Disaster Community Resilience Grant agreement no.: PIRG06-GA-2009-256316, sponsored by the European Commission, Jul. 2010- Jul. 2014: Principal Investigator (PI).
- [2] **MITOR-** Guiding L’Aquila reconstruction after 2009 Earthquake rebuilding a resilient city to multiple hazards, sponsored by MIT-POLITO joint MITOR program between Massachusetts Institute of Technology (MIT) and the Politecnico di Torino (POLITO), Jan. 2011- Sept. 2012: Principal Investigator (PI).
- [1] Field reconnaissance activities after 2012 Emilia earthquake Grant agreement no.: #, sponsored by Politecnico di Torino and Emergency Authority Emilia Region, Jun. 2012- Dec. 2012: Principal Investigator (PI).

NATIONAL AND INTERNATIONAL COMMERCIAL RESEARCH PROJECTS

- [4] Analysis and experimental research on the interaction between the sensors integrated in the composite materials, the adhesives used for their application and the building materials being monitored, (2021-2022), Principal Investigator (PI).

[3] Implementation of system logics and integration with laboratory tests for structural monitoring electronic sensors, (2021-2022), Principal Investigator (PI).

[2] Design and development of computer codes and multifunctional software platform for automatic modal analysis of structures and interpretation of data using machine learning algorithms (machine learning), (2021-2023), Principal Investigator (PI).

[1] Implementation of BIM models for structural analysis, seismic risk and evaluation of the vulnerability index of three public buildings of the town of Melzo (MI). (2019-2020) Principal Investigator (PI).

TEACHING GRANTS

[2] Teaching grant for Short Course entitled:” *Improving Community Resilience through emerging systems in North America Seismic design*” by Professor Michel Bruneau, University at Buffalo (SUNY), USA, sponsored by the Doctoral School of Civil Engineering of the Politecnico di Torino, March 14-18th, 2011.

[1] Teaching grant for Short Course entitled:” *Supplemental damping and seismic isolation for resilient structures*” by Professor Andre’ Filiatrault, Director of MCEER (Multidisciplinary Center for Earthquake Engineering Research), USA, sponsored by the Doctoral School of Civil Engineering of the Politecnico di Torino, November 21-25th, 2011.

PARTECIPATION IN RESEARCH PROJECTS

[8] Project Title: Quantifying the Value of Structural Health Monitoring Grant agreement no.: TU1402 sponsored by COST (European Cooperation in Science and Technology) Action through the EU RTD Framework programme: Role: Management Committee Member (MCM) (13 Nov. 2014- 12 Nov. 2018).

[7] Project Title: Progetto esecutivo – Thematic Field 3 – Thrust Area 1 - Task 3 "Health Monitoring" sponsored by ReLuis-Network of Italian Seismic Earthquake Engineering Simulation Laboratories (2010-2013).

[6] Project Title: Integrated European Industrial Risk Reduction System (IRIS) Grant agreement no.: CP-IP 213968-2, sponsored by Seventh Framework Programme, April 2009- December 2012.

[5] Project Title: A Framework for Defining and Measuring Disaster Resilience at the Community Scale (\$69,751) sponsored by NIST (National Institute of Standards and Technology), September 2009-September 2010.

[4] Project Title: Quantification of Organizational Resilience for Health Care Facilities (\$132,000) sponsored by PACER - A Homeland Security Center of Excellence, through DHS – Department of Homeland Security, October 2006-September 2009.

[3] Project Title: Quantification of Resilience Dimensions for Specific Facilities (\$41,650) sponsored by MCEER (Multidisciplinary Center to Extreme Events) through NSF (National Science Foundation) and NYS (New York State), October 2004-September 2007.

[2] Project Title: Seismic Global Retrofit of Structures by Strength Reduction and Damping Enhancement (\$233,500) sponsored by MCEER (Multidisciplinary Center to Extreme Events) through NSF (National Science Foundation) and NYS (New York State), October 2004-September 2007.

[1] Project Title: Definition and quantification of resilience – A center-wide system-integrated resilience measures (\$45,000) sponsored by MCEER (Multidisciplinary Center to Extreme Events) through NSF (National Science Foundation) and NYS (New York State), January 2004-September 2005.

COMPUTER SOFTWARE- INTERNATIONAL DISTRIBUTION

2013 - Present Software developer of computer platform **OPENSIGNAL**: a software for Earthquake record processing and selection downloadable at <http://areeweb.polito.it/ricerca/ICRED/Software/OpenSignal.php> (around 700 downloads).

KNOWLEDGE TRANSFER-(PATENTS-STARTUP)

2018 PATENT - Cimellaro, G. P., and Domaneschi, M. (2018). "Modular negative stiffness device for vertical seismic isolation, patent n. 102018000007222." Ufficio Italiano Brevetti e Marchi, Ministero dello Sviluppo Economico, Italia.

2017 Startup founder of Resiltronics srl. www.resiltronics.org, startup innovative company.

2016 PATENT - Cimellaro, G. P., and Sheikhi, E. (2016). "Wireless safety network and related method of operation, patent n. 102016000109493." Ufficio Italiano Brevetti e Marchi, Ministero dello Sviluppo Economico, Italia.

PROFESSIONAL EXPERIENCE

2018- 2022 Private consulting on seismic vulnerability analysis of three school buildings located in Melzo, Italy.

2012 Course on Seismic Standards of buildings in seismic zone sponsored by ARPA-Seismic Department of Civil Protection of Piedmont region, Pinerolo, Italy, Febr. 2012.

2009- 2014 Private consulting of ARPA-Seismic Department of Civil Protection of Piedmont region, Pinerolo, Italy.

2001 Project Engineer for Hydroarch S.R.L.", 2001, Project: Design of Sewer and aqueduct in Spinazzola (BA)"; River assessments of a reach in river Ufente; Executive Design of aqueduct in Quindici (BA)".

1997- 2000 IT specialist, Department of Structural and Geotechnical Engineering at University of Rome "La Sapienza". ,1997-2000.

LABORATORY TEST PROJECTS

Post insulator project in the Seismic Earthquake Engineering Simulation laboratory (August 2008)

Suspended ceiling test on the shaking table in the Seismic Earthquake Engineering Simulation laboratory (January 2007)

Steel adjacent building test on the shaking table in the Seismic laboratory of ENEA (January-July, 2003)

Steel hysteretic device test on the shaking table in the Seismic laboratory of ENEA (October, 2002)

JOURNAL PAPERS (PUBLISHED, IN PRESS OR ACCEPTED)

Year 2026

[J121] Chavez, J.-P., Cardoni, A., **Cimellaro, G. P.**, Murcia-Delso, J., and López-Almansa, F. (2025). "Multi-Objective Optimization Through NSGA-II of the Functional Resilience of Seismically Isolated Hospitals." *Engineering Structures*, under review.

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[T21] **Cimellaro, G. P.**, Christovasilis, I. P., Reinhorn, A. M., De_Stefano, A., and Kirova, T. (2010). "L'Aquila earthquake of April 6th, 2009, Italy: Rebuilding a resilient city to withstand multiple hazards." *MCEER Technical Report –MCEER-10-0010*, State University of New York at Buffalo (SUNY), Buffalo, New York, USA (<http://mceer.buffalo.edu/pdf/report/10-0010.pdf>).

[T20] **Cimellaro, G. P.**, Reinhorn, A., and Schiff, A. (2009). "Seismic qualification test of post insulator." Report No. UB CSEE/SEESL-2009-1.

[T19] **Cimellaro, G.P.**, Fumo C., Reinhorn A.M., Bruneau, M., (2009) " Quantification of Disaster Resilience for Health care facilities ", *MCEER Technical Report –MCEER-09-0009, pp.194*, State University of New York at Buffalo,N.Y.

[T18] Reinhorn,A., **Cimellaro,G., P.**, Roh,H, D.,K, Pitman, M, (2009), "Seismic Qualification Testing of Elec Hollow Comp Post Insulators (Manuf M)", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2009-06, for Bonneville Power Authority

[T17] Reinhorn,A., **Cimellaro,G., P.**, Roh,H, D.,K, Pitman, M., (2009), "Seismic Qualification Testing of Elec Hollow Comp Post Insulators (Manuf N)", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2009-07, for Bonneville Power Authority

[T16] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Systems", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-06, for Chicago Metallic Corp

[T15] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: A7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-11, for Chicago Metallic Corp

[T14] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: B7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-12, for Chicago Metallic Corp

[T13] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: C7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-13, for Chicago Metallic Corp

[T12] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: D7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-14, for Chicago Metallic Corp

[T11] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: E7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-15, for Chicago Metallic Corp

[T10] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: F7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-16, for Chicago Metallic Corp

[T9] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: G7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-17, for Chicago Metallic Corp

[T8] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: H7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-18, for Chicago Metallic Corp

[T7] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: I7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-19, for Chicago Metallic Corp

[T6] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: J7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-20, for Chicago Metallic Corp

[T5] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: K7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-21, for Chicago Metallic Corp

[T4] Lavan, O, **Cimellaro, G.P.**, Reinhorn, A.M., and Pitman, M, (2007), "Seismic Qualification Testing of Suspended Ceiling Sys: L7", Structural Engineering and Earthquake Simulation Laboratory Report, CSEE-SEESL-2007-22, for Chicago Metallic Corp

[T3] **Cimellaro, G. P.**, Lavan, O., Reinhorn, A., and Pitman, M. (2007). "Seismic qualification test of suspended ceiling systems: Phase 2." Report No. UB CSEE/SEESL-2007-06.

[T2] **Cimellaro, G.P.**, Reinhorn A.M., Bruneau, M., and Rutenberg, A., (2006) " Multidimensional Fragility of Structures: Formulation and Evaluation ", *MCEER Technical Report –MCEER-06-0002*, pp. 123, State University of New York at Buffalo,N.Y.

[T1] Badillo-Almaraz, H., Whittaker, A. S., Reinhorn, A. M., and **Cimellaro, G. P.** (2006). "Seismic Fragility of Suspended Ceiling Systems." *MCEER Technical Report –MCEER-06-0001*, pp. 201, State University of New York at Buffalo, N.Y.

NATIONAL CONFERENCE PROCEEDINGS (Italian and American)

[N18] Iuliis, M. D., Kammouh, O., **Cimellaro, G. P.**, and Tesfamariam, S. (2019). "A methodology to estimate the downtime of building structures using Fuzzy Logic " *XVIII Convegno ANIDIS - L'ingegneria Sismica in Italia*15-19 September 2019, Ascoli Piceno.

[N18] Cimellaro, G. P., Domaneschi, M., Villa, V., Zamani-Noori, A., Pietropinto, M. V., Cardoni, A., and Marasco, S. (2019). "Integrated BIM-based Framework for Actual and Post-earthquake Structural Assessment of Existing Buildings." *XVIII Convegno ANIDIS - L'ingegneria Sismica in Italia*15-19 September 2019, Ascoli Piceno.

[N17] Domaneschi, M., **Cimellaro, G. P.**, Ansari, F., and Marasco, S. (2019). "Distributed Measurements in Reinforced Concrete Beam." *XVIII Convegno ANIDIS - L'ingegneria Sismica in Italia*15-19 September 2019, Ascoli Piceno.

[N16] De Stefano, A and **Cimellaro, G. P.** (2010). "I meccanismi di danno e crollo: osservazioni dal vivo e strategie di prevenzione" *Proceedings of the Workshop entitled "Sicurezza e conservazione nei Beni culturali colpiti dal sisma"*, April 8-9th, Venice, Italy.

[N15] **Cimellaro, G. P.**, and Lopez-Garcia, D. (2007). "Seismic Response of Adjacent Structures connected by nonlinear viscous dampers." *Proceedings of ANIDIS 2007- XII Convegno Nazionale "L'Ingegneria Sismica in Italia"*, Italian National Association of Earthquake Engineering, 10-14 June, Pisa, Italy.

[N14] **Cimellaro, G. P.**, Reinhorn, A. M., and Bruneau, M. (2007). "Seismic Resilience of a regional system of Hospitals." *Report of Student Research Accomplishments: 2006-2007*, Multidisciplinary Center for Earthquake Engineering Research, University at Buffalo, Buffalo, NY, December 2006, pp. xx-xx.

[N13] **Cimellaro, G. P.**, Reinhorn, A. M., and Bruneau, M. (2006). "Resilience of a Complex of six hospitals." *2006 Summative Site Review of MCEER*, Buffalo/Niagara Marriott, Amherst, New York, October 26 - 27, 2006.

- [N12] **Cimellaro, G. P.**, Reinhorn, A. M., and Bruneau, M. (2006). "Resilience of Seismically Retrofitted Structures." *Multidisciplinary Center for Earthquake Engineering Research 2006 Annual Meeting*, Crystal City Marriott at Reagan National Airport, Arlington, VA, June 29-30, 2006.
- [N11] **Cimellaro, G. P.**, Reinhorn, A. M., and Bruneau, M. (2006). "Seismic Resilience." *Student Research Accomplishments: 2005-2006*, Report number MCEER-06-SP04, Multidisciplinary Center for Earthquake Engineering Research, University at Buffalo, Buffalo, NY, May, pp. 7-12.
- [N10] **Cimellaro GP**, Reinhorn A. (2005) , "Global fragility assessments considering uncertainties in response threshold", *Multidisciplinary Center for Earthquake Engineering Research 2005 Annual Meeting*, Sacramento Rancho Cordova, California, February 25-26, 2005.
- [N9] **Cimellaro, G. P.**, Reinhorn, A. M., and Bruneau, M. (2004). "Global fragility evaluation of fragility of health care facilities with structural and non structural components." *Report of Student Research Accomplishment 2004-2005*, published by MCEER December 2004, 23-28.
- [N8] **Cimellaro G.P.**, Reinhorn A. (2005) "Global fragility assessments considering randomness in response threshold", *Proceedings of the Annual Meeting of Earthquake Engineering Research Institute*, Ixtapa, Mexico, February 2-6 2005.
- [N7] **Cimellaro G.P.**, Reinhorn A. (2004), "Global Fragility Evaluation of Buildings with Structural and Non Structural Components", *Multidisciplinary Center of Earthquake Engineering, Annual Site Visit*, June 9-11, 2004.
- [N6] **Cimellaro G.P.**, Marazzi F., (2004) "Semi-active control of coupled building using Magnetorheological dampers", *Proceedings of XI Convegno Nazionale "L'Ingegneria Sismica in Italia"*, Italian National Association of Earthquake Engineering, paper J3-07, Genoa, January 25-29, 2004.
- [N5] **Cimellaro G.P.**, Gibelli L. (2004) "Modeling of ER/MR fluid devices for seismic response reduction", *Proceedings of XI Convegno Nazionale "L'Ingegneria Sismica in Italia"*, Italian National Association of Earthquake Engineering , paper J3-02, Genoa, January 25-29, 2004.
- [N4] Renzi E, Perno S, **Cimellaro G.P.** & Ciampi V., (2004) "Un nuovo sistema di controventi dissipativo per la protezione sismica delle strutture: ideazione, progettazione e sperimentazione su tavola vibrante", *Proceedings of XI Convegno Nazionale "L'Ingegneria Sismica in Italia"*, Italian National Association of Earthquake Engineering, paper E1-03, Genoa, January 25-29, 2004.
- [N3] **Cimellaro G.P.**, De Angelis M, Renzi E, Ciampi V., (2004) "Sperimentazione dinamica del controllo passivo su un modello d'edifici accoppiati", *Proceedings of XI Convegno Nazionale "L'Ingegneria Sismica in Italia"*, Italian National Association of Earthquake Engineering, paper J2-04, Genoa, January 25-29, 2004.
- [N2] Masullo, C., Ferraiolo, F., **Cimellaro G.P.**, (2002) "Criteri di dimensionamento idraulico di opere di ingegneria naturalistica per interventi di sistemazione idrogeologica", *Proceedings of XXVIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Potenza September 16-19, 2002.
- [N1] **Cimellaro G.P.**, (2002) "Evoluzione degli interventi di sistemazione idraulica del Tevere a Roma", *Proceedings of XXVIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, Potenza September 16-19, 2002.

ITALIAN NATIONAL JOURNALS

- [NJ1] **Cimellaro G.P.** (2003) "A.C.B.: Articulated Blocks in concrete for coverings embankment", *L'Acqua* n.1-2003.

MEMBER OF SCIENTIFIC COMMITTEES

- [SCo9] 2018 – Present **Member of the International Scientific Committee of the Institute of Future Cities and Infrastructures, Tsinghua University, China.**
- [SCo8] Member of the Scientific and Organizing Committee of the *9th International Conference on Structural Health Monitoring of Intelligent infrastructures (ISHMII 2019)*, St. Louis, Missouri, USA, August 4-7th, 2019.
- [SCo7] Member of the Scientific Committee of the *7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN2019)*, 24-26 June 2019, Crete Island, Greece.
- [SCo6] 2016-present **Civil and Environmental Engineering Ph.D. Program (DOT1532318)**, Politecnico di Torino, Italy, Ph.D. Coordinator, Prof. G. Ventura.
- [SCo5] Member of the Scientific Committee of the *6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN2017)* 15-17 June 2017, Rhodes Island, Greece.
- [SCo4] Member of the Scientific Committee of the PhD program of the University of Newcastle, School of Civil Engineering and Geosciences, UK, September 30th, 2016.
- [SCo3] Member of the Scientific Committee of the PhD program of the University of Pavia, May 30, 2014, Italy.
- [SCo2] Member of the Scientific Committee of the 12th International Conference on Applications of Statistics and Probability in Civil Engineering (ICASP12), Vancouver, Canada, July 12-15, 2015.
- [SCo1] Member of the Scientific and Organizing Committee of the *7th International Conference on Structural Health Monitoring of Intelligent infrastructures (ISHMII 2015)*, Torino, Italia, July 1st -3rd, 2015.

INVITED KEYNOTES LECTURES

- [KL14] Invited Keynote Lecture: Bali, A., Cardoni, A., Louar, M. A., and **Cimellaro, G. P.** (2025). "Preliminary damage assessment of Moletta Tower of Circus Maximus due to crowd-induced vibrations." *10th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering - COMPDYN 2025*, 15-18 June 2025, Rhodes island, Greece.
- [KL13] Invited Lecture: Cimellaro, G. P., (2025). " AI-Driven Large-Scale Simulation for Seismic Resilience assessment of Residential Building Portfolios", *Future of the Building Industry, AI for Resilient communities*, The Durham School of Architectural Engineering and Construction, Omaha, Nebraska, May 22-23, 2025.
- [KL12] Invited Lecture: Cimellaro, G. P., (2022). " Building resilience through Structural Health Monitoring", *International Forum on Resilience of Critical Infrastructure Systems*, November 18-20, 2022, Tongji University, Shanghai, China.
- [KL11] Invited Lecture: Cimellaro, G. P., (2020). "A civil Engineering approach to alleviate poverty in developing countries" *7th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (7ICRAGEE)*, Indian Institute of Science, Bangalore, India, Jul 13-16, 2020.
- [KL10] Invited Lecture: Cimellaro, G. P., (2020). "Large scale simulations of virtual cities using OpenSEES." *The 5th International course on Seismic Analysis of Structures using OpenSEES-Finite Element-based Framework and Civil Engineering Applications*, Politecnico di Torino, Italy, Jan 20-22, 2020.
- [KL9] Invited Keynote Lecture: Cimellaro, G. P., (2019). "SHM role in the Framework of infrastructure resilience." *The 9th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-9)*, Hyatt Regency St. Louis at the Arch, St. Louis, Missouri, USA, August 4-7, 2019.
- [KL8] Invited Keynote Lecture: "Large scale simulations of a virtual city" COMPDYN 2019, 7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 24-26 June 2019, Crete, Greece.
- [KL7] Invited Keynote Lecture: "Disaster Resilience of Communities during emergencies" 2nd International Workshop on Resilience, , Oct 31-Nov 2, 2018, Nanjing-Shanghai, China.

[KL6] Invited Keynote Lecture: "Key Issues in Resilience calculation of critical infrastructures" *ASME PVP 2018 Conference - 1st International Workshop on Risk and Resilience of Industrial installations against natural threats and mitigation strategies*, Prague, Czech Republic, July 19-20, 2018.

[KL5] Invited Lecture: Reliability and component vulnerability analysis of city-scale networks: application to the transportation system of a virtual city, *International workshop on Performance-Based Seismic Design (Resilience-Robustness)*, Tongji University, Shanghai, China – October 12-15, 2017.

[KL4] "Invited Keynote Lecture: Resilience Assessment for the Built Environment of a Virtual City." *6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN2017)* 15-17 June 2017, Rhodes Island, Greece.

[KL3] Special Lecture: Resilience Present and Future, *16th. World Conference on Earthquake Engineering*, Santiago de Chile – January 9-13, 2017.

[KL2] Invited Keynote Lecture: From Performance to Resilience-Based design of structures, *XI Congreso Chileno de Sismología e Ingeniería Sísmica*, Hotel Intercontinental Santiago, Santiago de Chile - March 18-20, 2015.

[KL1] Invited Keynote Lecture: Introduction to Resilience-Based Design of Structures and Infrastructures, *Symposium Gujarat (India), 3rd Annual Convention on 'Advances in Earthquake Science' & 'Workshop on Seismic Microzonation'*, Institute of Seismological Research, Gandhinagar, January 4th – 6th, 2015.

CONFERENCE CHAIR

[CC6] Conference Chair and Organizer." *3rd International Conference on Resilience, Earthquake Engineering and Structural Health monitoring*, Turin, 24-28 June 2024, <https://www.iconrem2024.org/>.

[CC5] Conference Chair and Organizer." *17th World conference on Seismic Isolation, energy dissipation and active vibration control of structures*, Turin, 11-16 September 2022, <http://www.workshop-torino2016.resiltronics.org/>.

[CC4] Conference Co-Organizer." *2nd International Workshop on Resilience (2IWR)* Nanjing-Shanghai, Oct 31-nov.2 2018, <http://www.workshop-china2018.resiltronics.org/>.

[CC3] Conference Chair and Organizer." *1st International Workshop on Resilience (1IWR)* Turin - Ispra, 20-22 September 2016, <http://www.workshop-torino2016.resiltronics.org/>.

[CC2] Conference Co-Organizer." *7th Int. Conf. on Structural Health Monitoring of Intelligent Infrastructures*, SHMII 2015, Torino, July 1-3, 2015.

[CC1] Conference Chair. "Le azioni del Politecnico di Torino finanziate con i fondi del 5 per mille." *IL SISMA IN EMILIA - Interventi e strategie per la ricostruzione*, Politecnico di Torino, Torino, 1 Marzo, 2013.

INVITATIONS TO CONFERENCES/WORKSHOPS

[CI7] Cimellaro, G. P. (2018). "Resilience modeling of the transportation network." *PEER Annual Meeting 2018*, Pacific Earthquake Engineering Research Center, Berkeley, January 18th-19th, 2018.

[CI6] Cimellaro, G. P., Zamani-Noori, A., Marasco, S., Kammouh, O., Domaneschi, M., and Mahin, S. (2017). "Smart cities to improve resilience of communities." *2nd International Workshop on Modelling of Physical, Economic and Social Systems for Resilience Assessment*, Joint Research Center in collaboration with NIST, Brussels, December 14th -16th, 2017.

[CI5] Kammouh, O., Cardoni, A., Kim, H. U. and Cimellaro, G. P. (2017). "Reliability and component vulnerability analysis of city-scale networks: applications to the transportation system of a virtual city." *International Workshop on Performance-Based Seismic Design (Resilience, Robustness) PESDES2017*, Tongji University, Shanghai, China 12-15 October, 2017.

[CI4] Cimellaro, G. P. (2017). "Fragility Curves of Restoration Processes for Resilience Analysis." *Symposium on Risk and Reliability Analysis: Theory and Applications - In Honor of Prof. Armen Der Kiureghian*, P. Gardoni, ed., University of Illinois at Urbana-Champaign, I Hotel Conference Center, October 4-5th, 2015.

[CI3] Analysis of Economic resilience: a case study, *Baltic Symposium on Societal Resilience Enhancing Societal Resilience to Disasters: research directions and implications for education*, Riga Technical University, Institute of Energy Systems and Environment, Āzenes iela 12/1, room 115, Riga (Latvia), January 27th, 2015.

[CI2] Resilience and Urban Vulnerability, *Conference on Seismic Risks and Vulnerability*, Chlef city, Algeria, October 10-11, 2012.

[CI1] "Resilience-Based design for urban cities", Workshop on how the concept of Resilience is able to improve urban risk management? A temporal and a spatial analysis, **University of Paris Diderot**, Amphi Buffon, 15 rue Hélène Brion - Paris (13°), France, November 4th, 2011.

INVITATIONS TO CHAIR SESSIONS (INCLUDING SPECIAL SESSIONS ORGANIZED AND CHAIRED)

[SC21] Seventh International Conference on Structural Engineering, Mechanics and Computation (SEMC 2019), Cape Town, 2-4 September 2019, Session Title: F-W2: Structural Assessment, Repair, Strengthening, Retrofitting. Moderators: G.P. Cimellaro, S. Gunalan.

[SC20] Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2019) 24-26 June, 2019, Crete, Greece, Minisymposium title: Advances in base isolation techniques, Minisymposium organizer: G.P. Cimellaro, M. Domaneschi, A. M. Reinhorn.

[SC19] Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2019) 24-26 June, 2019, Crete, Greece, Minisymposium title: Museums' collections and seismic prevention: research developments and case-studies, Minisymposium organizer: S. Viti, G.P. Cimellaro.

[SC18] 9th International conference on Bridge Maintenance, Safety and Management, (IABMAS 2018), Melbourne Convention and Exhibition Centre, 9-13 July 2018, Session Title: CIM: Community Information Modeling - the new frontier of Civil Engineering. Moderators: G.P. Cimellaro, M. Domaneschi, S. Mahin.

[SC17] Structural Congress, (SEI 2018), Fort Worth, Texas, April 19-21st, 2018, Session Title: Recent Advancements in Community Resilience Assessment, IES Session. Moderators: M. Koliou, G.P. Cimellaro.

[SC16] Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2017) 15-17 June, 2017, Rhodes, Greece, Minisymposium title: Virtual cities for Real-World Crisis Management and Resilience assessment of Communities and infrastructures, Minisymposium organizer: G.P. Cimellaro, S. Mahin.

[SC15] SHMII7 - 7th International conference on structural earth monitoring of intelligent infrastructure 1-3 July 2015, Torino (IT), Session Title: The resilience of urban built environment..

[SC14] Structural Congress, (SEI 2015), Portland, Oregon, April 23-25th, 2015, Session Title: Resilient Design using Performance Based Engineering and Advanced Technologies. Moderators: G.P. Cimellaro, R. Eguchi.

[SC13] Structural Congress, (SEI 2015), Portland, Oregon, April 23-25th, 2015, Session Title: Building Community Resilience using Performance-Based Engineering – Part 2. Moderators: G.P. Cimellaro, S. Mahin.

[SC12] Structural Congress, (SEI 2015), Portland, Oregon, April 23-25th, 2015, Session Title: Building Community Resilience using Performance-Based Engineering – Part 1. Moderators: G.P. Cimellaro, S. Mahin.

[SC11] 10th National Conference of Earthquake Engineering, (10NCEE), Anchorage, Alaska, July 21-25th, 2014, Session Title: Resilience of communities including infrastructures interdependencies

[SC10] 6th World Conference of Structural Control and Monitoring (6WCSCM), Universitat Politècnica de Catalunya, Barcelona, July 15-17th, 2014, Mini-Symposium: Active and Passive Structural Control and Probabilistic Methods—Contributions of Professor Tsu T. Soong, Mini-Symposium Co-Chairs: Yozo Fujino, Jose Rodellar, Satish Nagarajaiah and Gian Paolo Cimellaro

- [SC9] 6th World Conference of Structural Control and Monitoring (6WCSCM), Universitat Politècnica de Catalunya, Barcelona, July 15-17th, 2014, Mini-Symposium: Computational Methods, Structural Control, Resilience based Design and Hybrid/Shake-Table Testing—Contributions of Professor Andrei Reinhorn, Mini-Symposium Co-Chairs: Yozo Fujino, Jose Rodellar, Satish Nagarajaiah and Gian Paolo Cimellaro
- [SC8] Structural Congress, (SEI 2014), Boston, Massachusetts, April 3-5th, 2014, Session Title: Applications of Resilience design concepts in structures.
- [SC7] Structural Congress, (SEI 2013), Pittsburgh, Pennsylvania, May 2-5th, 2013, Session Title: Infrastructure Resilience to Natural Disasters.
- [SC6] 4th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2013) 12-14 June 2013, Kos, Greece, Minisymposium organizer MS8: Resilience-Based design of Communities and infrastructures.
- [SC5] 6th International Conference on Bridge Maintenance, Safety and Management (IABMAS 2012), Como Lake, Italy, July 8th-12th, 2012, Session Title: Risk-based and Disaster Resilience Analysis of Bridge Systems and Networked Infrastructures under Multiple Hazards.
- [SC4] The 2011 World Congress on Advances in Structural Engineering and Mechanics (ASEM2011), Sheraton Walker Hill Hotel, Seoul, South Korea, 18 - 22 September 2011 Session title 1: Seismic Performance Evaluation, Session title 2: Seismic Risk Mitigation/ Seismic Protection of lifeline Systems.
- [SC3] Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2011) 26-28 May 2011, Corfu, Greece, Minisymposium organizer: Resilience Assessment of Communities and Infrastructures.
- [SC2] Structural Congress, (SEI 2011), Las Vegas, Nevada, April 14-16th, 2011, Session Title: Resilience of Structures, Infrastructures, and Communities under Seismic hazard.
- [SC1] Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2009) 22-24 June, 2009, Island of Rhodes, Greece, Minisymposium co-chair: Statistical and probabilistic methods in computational mechanics to treat aleatory and epistemic uncertainties in structural and/or geotechnical systems and their loading environment.

INVITED SEMINARS

- [S35] Seminar title: “*A framework for the analytical quantification of disaster resilience*”, **National Technical University of Athens, Greece**, Feb. 9th, 2023.
- [S34] Seminar title: “*Overview of the Research activities of the disaster resilience lab of the Politecnico di Torino*”, SMART Seminar Series, SMART infrastructure Facility, Building 6, Room 210, **University of Wollongong, Wollongong, Australia**, June 13rd, 2019.
- [S33] Seminar title: “*Resilience of Civil Infrastructures During Emergencies*”, Department of Structural Engineering, SME Building, Room 447 **University of California, San Diego**, June 2nd, 2017.
- [S32] Seminar title: “*Resilience and Interdependencies of Civil Infrastructures During Emergencies*”, Siebel Energy Institute (SEI), Department of Civil and Environmental Engineering, Sutardja Dai Hall, **University of California, Berkeley**, CA, April 11, 2017.
- [S31] Seminar title: “*Resilience of civil structures and infrastructures during emergencies*”, Structural Engineering, Mechanics and Materials, Department of Civil and Environmental Engineering, 502 Davis Hall, **University of California, Berkeley**, CA, February 2nd, 2015.
- [S30] Seminar title: “*Integrated Design and control of Sustainable Communities during Emergencies*”, Department of Civil Engineering and Geosciences, Room 113, Cassie Building, **Newcastle University**, UK, December 18th, 2014.

[S29] Seminar title: “*Integrated Design and control of Sustainable Communities during Emergencies*”, Department of Civil Engineering, Room 107 Latrobe, **Johns Hopkins**, 3400 N. Charles Street, Baltimore, MD 21218-2686, USA, December 10th, 2014.

[S28] Seminar title: “*Resilience of civil infrastructures during emergencies*”, The Charles E. Via, Jr. Department of Civil and Environmental Engineering, Room 207 Patton, **Virginia Tech**, Blacksburg, Virginia, VA 24061, USA, December 8th, 2014.

[S27] Seminar Title: “The Project IRUSAT: a show case project”, Online Seminar, sponsored by Android-Disaster Resilience Network, May 21st, 2014.

[S26] Seminar title: “*A framework for implementing Resilience-Based Design (RBD) of structures and infrastructures*”, Institute for the Protection and Security of the Citizen (IPSC), European Laboratory for Structural Assessment (ELSA), **European Commission –Joint Research Centre (JRC)**, Via E. Fermi, 2749 – 21027 Ispra (VA), Italy, May 20, 2014.

[S25] Seminar title: “*Recent advancements and applications of resilience-based design (RBD)*”, , Department of Civil Engineering, 13:00 - Building 118, Room 147, **Technical University of Denmark (DTU), Copenhagen, Denmark** October 11, 2013.

[S24] Seminar title: “*Applications of Resilience-Based Design (RBD): The case of 2011 Tohoku earthquake and 2012 Emilia Earthquake*”, Department of Civil and Environmental Engineering, CEE M.Eng. Thursday 12:00 Seminar - Room 1-131, **Massachusetts Institute of Technology (MIT)**, 77 Massachusetts Avenue, Cambridge, MA, 02139, USA, April 25th, 2013.

[S23] Seminar title: “*Resilience-Based Design of Infrastructures*”, Department of Civil and Environmental Engineering, CEE M.Eng. Friday Noon Seminar –Room 1-150, **Massachusetts Institute of Technology (MIT)**, 77 Massachusetts Avenue, Cambridge, MA, 02139, USA, April 13th, 2012.

[S22] Seminar title: “*Output only modal identification of ancient L’Aquila city Hall and collapse analysis of Santa Maria di Collemaggio after l’Aquila earthquake*”, Department of Civil Engineering and Applied Mechanics, Macdonald Engineering Building – Room 497, **McGill University**, April 11th, 2012.

[S21] Seminar title: “*Toward Resilience-Based Design*”, Department of Civil Engineering, Room 233, 35 St George Street, **University of Toronto, Canada**, April 9th, 2012.

[S20] Seminar title: “*Toward Resilience-Based Design*”, Department of Civil Structural and Environmental Engineering, Room 140 Ketter Hall, **University at Buffalo, The State University of New York, Buffalo**, April 2nd, 2012.

[S19] Seminar title: “*Resilience-Based design for urban cities*”, Workshop on how the concept of Resilience is able to improve urban risk management? A temporal and a spatial analysis, **University of Paris Diderot**, Amphi Buffon, 15 rue Hélène Brion - Paris (13^o), France, November 4th, 2011.

[S18] Seminar title: “*Quantifying Disaster Resilience of Physical infrastructures*”, Department of Civil and Environmental Engineering, **Korea Advanced Institute of Science and Technology (KAIST)**, 373-1, Guseong-dong, Yuseong-gu, Daejeon 305-701, September 15th, 2011.

[S17] Seminar title: “*Quantifying Disaster Resilience of Physical infrastructures*”, Department of Civil and Environmental Engineering, 125 Reber Building, **Pennsylvania State University, University Park**, June 14th, 2011.

[S16] Seminar title: “*PEOPLES framework for resilience and recovery estimation of physical infrastructures and communities*”, School of Civil Engineering, Metal Structures Laboratory, Conference Room, **National Technical University of Athens (NTUA), Greece**, May 23th, 2011.

[S15] Seminar title: “*Software for measuring disaster community resilience according to the PEOPLES methodology*”, Department of Civil Structural and Environmental Engineering, Room 140 Ketter Hall, **University at Buffalo, The State University of New York, Buffalo**, March 4th, 2011.

[S14] Seminar title: “*Application of Graph Theory in Community Resilience Research*”, Department of Geography, Room 144 Wilkenson Quad, **University at Buffalo, The State University of New York, Buffalo**, March 2nd, 2011.

[S13] Seminar title: “*Field reconnaissance following the April 6, 2009 L'Aquila Earthquake in Italy*”, Department of Civil Structural and Environmental Engineering, Room 140 Ketter Hall, **University at Buffalo, The State University of New York, Buffalo**, June 11th, 2009.

[S12] Seminar title: “*L'Aquila earthquake in Italy*”, Department of Civil Structural and Environmental Engineering, Room 140 Ketter Hall, **University at Buffalo, The State University of New York, Buffalo**, April 15th, 2009.

[S11] Seminar title: “*Resilience of critical facilities*”, Department of Civil Engineering, AMPEL Room 311, **University of British Columbia, Vancouver**, October 7th, 2008.

[S10] Seminar title: “*Integrated Design of Smart Structures*”, Department of Constructions, Conference Room, **University of Florence, Florence**, June 17, 2008.

[S9] Seminar title: “*Integrated Design of Smart Structures*”, Department of Mechanical and Structural Engineering, Meeting Room (DIMS), **University of Trento, Trento**, June 12, 2008.

[S8] Seminar title: “*Integrated Performance Based redesign for improving Seismic Resilience of Structures*”, Department of Structural Engineering, Room KI 309, **University of Massachusetts, Lowell**, April 23, 2008.

[S7] Seminar title: “*Seismic Resilience of Health Care Facilities*”, Harbert Engineering Center, **Auburn University**, Ramsay 314, Auburn, AL, April 3, 2008.

[S6] Seminar title: “*Multidisciplinary aspects for improving Seismic Resilience of Structures*”, Department of Civil and Environmental Engineering, **University of Houston**, Cullen College of Engineering, Houston, March 24, 2008.

[S5] Seminar title: “*Improving seismic resilience of structures*”, Department of Civil and Environmental Engineering, 2355 GGB Room, **University of Michigan**, Ann Arbor, March 19, 2008.

[S4] Seminar title: “*Seismic Resilience of Structures*”, Department of Civil and Environmental Engineering, 542 Davis Hall, **University of California at Berkeley**, Berkeley, March 17, 2008.

[S3] Seminar title: “*Integrated design of Smart Structures for improving seismic resilience of structures*”, Department of Structural Engineering and Mechanics, Kellogg Room, ELAB II, **University of Massachusetts, Amherst**, March 12, 2008.

[S2] Seminar title: “*Improving seismic resilience of structural systems through integrated design of structures*”, Department of Civil Engineering and Geological Sciences, Room 120, DeBartolo Hall, **University of Notre Dame**, Notre Dame, Indiana, January 28, 2008.

[S1] Seminar title: “*Multidimensional Fragility of Structures: Formulation and Evaluation*”, Department of Structural Mechanics, **University of Pavia**, January 18, 2005.

LANGUAGES

Italian (mother tongue), English (fluent), French (fair), Spanish (good).

COMPUTER SKILLS

Software: MATLAB, FORTRAN, C++, SAP 2000, ANSYS, LS-DYNA, ADINA, MAPLE, FLUENT 6.0, FLOW3D, FEAP, MS Office, AutoCAD, MathCAD, Scientific Workplace, Primus.

Graphics: Paint Shop Pro, Adobe Photo Deluxe, Adobe Acrobat, Visio etc.

PROFESSIONAL AFFILIATIONS AND COMMITTEE SERVICE

- 2022 – Present Member of the Scientific Committee of [*ISI-Ingegneria sismica Italiana*](#),
- 2019 – Present Member of *IABSE, International Association For Bridge And Structural Engineering*.
- 2018 – Present **International Scientific Committee member of Institute of Future Cities and Infrastructures, Tsinghua University, China.**
- 2018 – Present **NANOE's 2018 Board of Governors.** <https://NANOEgovernors.org>.
- 2017 – Present **Chair of the SHMII Committee on Resilient Structures and Infrastructure (CORSI)** of the International Society for structural Health Monitoring of Intelligent Infrastructures.
- 2011 – 2018 **Chair of the ASCE Committee on [*Disaster Resilience of Structures, Infrastructures and Communities*](#).**
- 2011 – 2016 **Vice-Chair of the ASCE sub-Committee on Structural Dynamics.**
- 2011 – Present Member of the **TCLEE Lifeline Systems Interdependence Committee (LSIC)** of the Technical Council on Lifeline Earthquake Engineering (TCLEE)
- 2010 – Present Member of the *ASCE Committee on Structural Control*.
- 2010 – Present Member of the *ASCE Committee on Seismic effects*.
- 2014 – Present Member of the *fib Task Group 1.8: Structural Sustainability* of the *fédération internationale du béton*, the international federation for structural concrete. Chair: Dr. Akio Kasuga.
- 2014 – Present Member of the *fib Commission 2: Safety and Performance concepts* of the *fédération internationale du béton*, the international federation for structural concrete
- 2010 – Member of the International association for bridge maintenance and safety (**IABMAS**).
- 2009 – Member of the International Society for Structural Health Monitoring of Intelligent Infrastructure (**ISHMII**).
- 2005 –Present Associate Member of the American Society of Civil Engineering (**ASCE**).
- 2004 –2014 Member of Earthquake Engineering Research Institute (**EERI**).

INSTITUTIONAL RESPONSABILITIES

- 2019 – Present Academic advisor for the TOP-UIC Program, Master of Science Degree of the University of Illinois at Chicago at Politecnico di Torino (https://didattica.polito.it/outgoing/it/top_uic).
- 2009 – 2011 Graduate ERASMUS Student incoming and outgoing Advisor, Civil Engineering, Politecnico di Torino, Italy.
- 2015 – Present **IRS Research Coordinator** of the Institute of Seismological Research, India in dealing academic and research collaboration with the Politecnico di Torino.
- 2009 – Present **Torino/PUC Research Coordinator** between Universidad Catolica de Chile and Politecnico di Torino.

ADVISING ACTIVITIES

2008 – present I advised 2 assistant professors and **graduated 4 postdoc, 18 PhDs and 71 Master students** from the Politecnico di Torino, Universitat Politècnica de Catalunya (UPC), Tsinghua University, MIT, University of Canterbury, Universidad Central de Venezuela (U.C.V.), International Institute of Earthquake Engineering and Seismology (IIEES), Iran, Univ. of Udine, Florence and Bologna. I am currently **advising 1 assistant professor, 2 Ph.D. students and 1 M.S. student**. Many of my PhD. and Master students during their program have collaborated with very prestigious universities such as MIT, UC Berkeley, Univ. of Illinois at Urbana Champagne (UIUC), UCLA, Rice Univ., Univ. of California Irvine, SUNY Buffalo, Oregon State Univ., Newcastle Univ., Penn State Univ., The City College of New York (CCNY), Missouri Univ. of Science and Technology, Technion Univ. Pontificia Universidad Catolica de Chile, etc.

Assistant Professor RTDA

1. Alessandro Cardoni, Politecnico di Torino, (2022-present), advisor
2. Marco Domaneschi, Politecnico di Torino, (2016-2021), advisor

Postdoc.

3. Alessandro Cardoni (2020-2025), postdoctoral research associate, Politecnico di Torino, advisor.
4. Sebastiano Marasco, (2018-2022) postdocotral research associate, Politecnico di Torino, advisor
5. Ali Zamani, (2019-2020) postdoctoral research associate, Politecnico di Torino, advisor
6. Nino Quattrone, Politecnico di Torino, 2011, co-advisor

Ph.D.

7. Simone Salvatori, Ph.D. candidate (40 cycle), Politecnico di Torino, advisor.
8. Amir Reza Elahi, Ph.D. candidate (39 cycle), Politecnico di Torino, advisor.
9. Adel Bali, Ph.D. candidate (39 cycle), Politecnico di Torino, advisor.
10. Alessandro Feraudi, Ph.D. candidate (39 cycle), Politecnico di Torino, advisor.
11. Raffaele Tarantini, Ph.D. candidate (38 cycle), Politecnico di Torino, co-advisor.
12. Cosimo Pellecchia, Ph.D. candidate (36 cycle), Politecnico di Torino, advisor.
13. Melissa De Iuliis, (2018-2022) (cycle 34), PhD, Politecnico di Torino, advisor, co-advisor Prof. Stojadinovic, ETH, Zurich.
14. Alessandro Cardoni, (2017-2021) (cycle 33) Ph.D, Politecnico di Torino, advisor, Univ. of California Irvine (2019).
15. Edoardo Battagazzorre, PhD candidate, Politecnico di Torino, co-advisor.
16. Rayehe Khaghanpour, 2022 Ph.D., University of Tehran, co-advisor, 2020-2022 at POLITO.
17. Sebastiano Marasco, 2018 Ph.D., Politecnico di Torino, advisor, Univ. of California Berkeley (2016-2017).
18. Ali Zamani, 2019 Ph.D., Politecnico di Torino, advisor, Univ. of California Berkeley (2016-2017)
19. Alessio Vallero, Ph.D. candidate, Politecnico di Torino, advisor, Univ. of California Berkeley (2015-2019).
20. Omar Kammouh, 2019 Ph.D., Politecnico di Torino, advisor, University of Illinois at Urbana-Champaign (2018).
21. Ana Sarkis Fernandez, PhD candidate, University of Canterbury, 2017 at POLITO, co-advisor
22. Vincenzo Arcidiacono, 2014 Ph.D., Politecnico di Torino, advisor, MIT (2011-2012), Technion (2013), Univ. College of London (UCL) (2013).
23. Cristina Fumo, 2008 PhD., University of Udine, co-advisor.
24. Luisa Degiovanni, 2011 PhD., Politecnico di Torino, co-advisor.
25. Maria Pianigiani, 2015 Ph.D., University of Florence, co-advisor, 2014 at POLITO.
26. Zhebiao Yang, PhD Candidate, Tsinghua University, co-advisor, 2017-2018 at POLITO
27. Li Zaishang, PhD. Candidate, Tsinghua University, co-advisor, 2018 at POLITO.
28. Maamak Poori, PhD candidate, Politecnico di Torino, co-advisor.
29. Mahban Arghavani, International Institute of Earthquake Engineering and Seismology (IIEES) IRAN, co-advisor, (2017-2018) at POLITO.

M.S.

30. Stefano Ferri, 2007 M.S. student, University of Bologna.
31. Mariella Garabello, 2009 M.S., Politecnico di Torino
32. Maurizio Erbetta, 2009 M.S., Politecnico di Torino
33. Valeria De Maria, 2009 M.S., Politecnico di Torino
34. Stefano Pianta`, 2010 M.S., Politecnico di Torino
35. Giovanni Salluzzi, 2010 M.S., Politecnico di Torino
36. Andrea Infuso, 2011 M.S., Politecnico di Torino
37. Valentina Cavallo, 2011 M.S., Politecnico di Torino
38. Omar Villa, 2011 M.S., Politecnico di Torino
39. Bridget Bassi, 2011 M.S., **MIT, Boston, USA**, at POLITO (2013) through MITOR project 2011.
40. Tommaso Giovine, 2012 M.S., Politecnico di Torino, co/advisor Prof. Diego Lopez-Garcia, **Pontificia Universidad Catolica de Chile;**
41. Giuseppe Scura, 2013 M.S., Politecnico di Torino, co-advisor Prof. Renschler, **University At Buffalo, USA;**
42. Marco Chiriatti, 2013 M.S., Politecnico di Torino
43. Daniele Solari, 2013 M.S., Politecnico di Torino
44. Alex Díaz-Delgado, 2013 B.S., **Universitat Politècnica de Catalunya (UPC).**
45. Pau Guillamón Causi, 2013 M.S., **Universitat Politècnica de Catalunya (UPC).**
46. Joan Puigdemívol Goday, 2013 M.S., **Universitat Politècnica de Catalunya (UPC).**
47. Aldo Tinebra, 2013 M.S., Politecnico di Torino.
48. Emidio Piermarini, 2013 M.S., **MIT, Boston, USA**, at POLITO (2013) through MITOR project 2012.
49. Marta Pique`, 2014 M.S., **Universitat Politècnica de Catalunya (UPC).**
50. Roger Paredes, 2014 M.S., Politecnico di Torino, co-Advisor Prof. Duenas-Osorio, **Rice University, Houston, USA.** (Currently PhD candidate at Rice Univ.);
51. Davide Martinelli, 2014 M.S., Politecnico di Torino, co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA;**
52. Sarah Moretti, M.S. Politecnico di Torino, Co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA, 2014.**
53. Alba Chiara Trozzo, M.S. Politecnico di Torino, Co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA, 2014.**
54. Sebastiano Marasco, 2014 M.S., Politecnico di Torino.
55. Marzia Malavisi, 2014 M.S., Politecnico di Torino, co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.**
56. Giuseppe Garofano, 2015 M.S., Politecnico di Torino, Co-Advisor Prof. Berman, **University of Washington, Seattle, USA**
57. Salvatore Pluchino, 2015 M.S., Politecnico di Torino, Co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.**
58. Chiara Tribulato, 2015 M.S., Politecnico di Torino, Co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.**
59. Alessio Vallero, 2015 M.S., Politecnico di Torino, Co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.**
60. Paolo Fantini, 2015 M.S., Politecnico di Torino, Co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.** Collaboration with **Stanford University.** Prof. G. Deierlein
61. Fabiana Barberis, 2015 M.S., Politecnico di Torino, Co-Advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.**
62. Claudio Testa, 2015 M.S., Politecnico di Torino,.
63. Sergio Gómez Sistac, M.S., **Universitat Politècnica de Catalunya (UPC), 2015.**
64. Fabrizio Ozzello, 2015 M.S., Politecnico di Torino, co-advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.**

65. Pietro Crupi, 2016 M.S., Politecnico di Torino, co-advisor Prof. A. Agrawal, **The City College of New York (CCNY), USA.**
66. Alex Díaz-Delgado, 2016 M.S., **Universitat Politècnica de Catalunya (UPC), 2016.**
67. Erfan Sheiki, 2016 M.S., Politecnico di Torino, 2016.
68. Glen Dervishaj, 2016 M.S., Politecnico di Torino, co-advisor: Prof. A. Agrawal, **The City College of New York (CCNY), USA.**
69. Marzia Bianco, 2016 M.S., Politecnico di Torino, co-advisor: Prof. S. Wilkinson, **Newcastle Univ., UK.**
70. Alessandro Rizzi, 2016 M.S., Politecnico di Torino, co-advisor Prof. A. Barbosa, **Oregon State University, Oregon , USA.**
71. Micaela Capozzo, 2016 M.S., Politecnico di Torino, co-advisor Prof. A. Barbosa, **Oregon State University, Oregon , USA.**
72. Fabrizio Nocera, 2016 M.S., Politecnico di Torino, co-advisor Prof. P. Gardoni, **University of Illinois at Urbana-Champaign, Illinois, USA** (Currently PhD Candidate at University of Illinois at Urbana-Champaign).
73. Alessandro Cardoni, 2017 M.S., Politecnico di Torino.
74. Gerardo Leo, 2017 M.S., Politecnico di Torino, co-advisor Prof. Mahin, **Univ. of California at Berkeley, CA, USA.**
75. Maamak Poori, 2017 M.S., Politecnico di Torino, co-advisor: Prof. G. Warn, **Penn State University, USA.**
76. Danial Mohebbat Doost, 2017 M.S., Politecnico di Torino, co-advisor: Prof. G. Warn, **Penn State University, USA.**
77. Davide Piazza, 2017 M.S., Struttura Universitaria Interdipartimentale in Scienze Strategiche (SUISS), University of Turin, Torino.
78. Mattia Santandrea, 2017 M.S., Struttura Universitaria Interdipartimentale in Scienze Strategiche (SUISS), University of Turin, Torino.
79. Marco Baglio, 2017 M.S., Politecnico di Torino, co-advisor Prof. N. Abrahamson, **Univ. of California at Berkeley, CA, USA..**
80. Tommaso Romanazzi, 2017 M.S., Politecnico di Torino, co-advisor Prof. P. Gardoni, **University of Illinois at Urbana-Champaign, Illinois, USA.**
81. Francesca Grua, M.S. Politecnico di Torino, 2017.
82. Gianluca Scutiero, 2018 M.S., Politecnico di Torino, co-advisor Prof. S. Mahin, **Univ. of California at Berkeley, CA, USA.**
83. Melissa De Iullis, M.S. Politecnico di Torino, 2018.
84. Silvio Sordo, M.S. Politecnico di Torino, co-advisor Prof. K. Soga, **Univ. of California at Berkeley, CA, USA.**
85. Chiara Lesbo, 2018 M.S., Politecnico di Torino.
86. Luca Rampini, 2018 M.S., Politecnico di Torino, co-advisor Prof. H. Burton, **Univ. of California at Los Angeles (UCLA), CA, USA.**
87. Luigi Surano, 2019 M.S., Politecnico di Torino.
88. Alessandro Zona, 2019 M.S., Politecnico di Torino.
89. Marco Maniglio, 2019 M.S., Politecnico di Torino, co-advisor Prof. J. Padgett, **Rice Univ., TX, USA .**
90. Andrea Farinazzo, 2019 M.S., Politecnico di Torino.
91. Maurizio Morgese, Politecnico di Torino, 2019, co-advisor Prof. F. Ansari, **Univ. of Illinois at Chicago (UIC), USA.**
92. Chiara Ecosse, Politecnico di Torino, 2019, co-advisor Prof. K. Soga, **Univ. of California at Berkeley, CA, USA..**
93. MariaVittoria Pietropinto, Politecnico di Torino, 2019.
94. Mert Uysal, **Istanbul Technical University**, 2019, at POLITO (2018-2019).
95. Erika Nesti, Politecnico di Torino, 2019, co-advisor Prof. G. Chen, **Missouri Univ. of Science and Technology, USA.**
96. Paola Lorusso, Politecnico di Torino, Expected, 2019, co-advisor Prof. K. Soga, **Univ. of California at Berkeley, CA, USA.**

- 97. Noussaiba Ben Ayed, Politecnico di Torino, Expected, 2019.
- 98. Jacopo Merlin, Politecnico di Torino 2022.
- 99. Raffaele Tarantini, Politecnico di Torino, 2022.
- 100. Amir Reza Elahi, Politecnico di Torino, Expected, 2023.
- 101. Eros Tanzi, Politecnico di Torino, Expected, 2023.

Location: _Torino_____, date __September 11, 2026__

Gian Paolo Cimellaro
