



**PROF. DR. ENG. MARIA PINA LIMONGELLI**

February 2022

Office Piazza Leonardo da Vinci 32, 20133, Milano, Italy  
Telephone +393922309492 (mobile IT)  
+33665573395 (mobile FR)  
E-mail mariagiuseppina.limongelli@polimi.it  
Nationality Italian  
Date of birth 25.11.1965  
ORCID <https://orcid.org/0000-0002-9353-5439>

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**WORK EXPERIENCE**

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2022	<b>Qualified Full professor.</b> SSD ICAR 09. Structural design
1996- Date	<b>Associate Professor</b> in Structural and Seismic Engineering. Department ABC of Architecture, Built Environment and Construction Engineering. Politecnico di Milano (PoliMI), Italy. SSD ICAR 09. Structural design
2018 - 2020	<b>Visiting Professor</b> at ENPC Paristech. Ecole National Ponts et Chaussées. Paris. Marne La Vallée.
2014 -2017	<b>Visiting Professor.</b> IFSTTAR: French Institute of Science Technology for Transports, Developments and Networks. Paris. Marne La Vallée.
1998- 1999	<b>Visiting Researcher.</b> NTUA. Athen
1997	<b>Visiting Researcher.</b> University of California at San Diego
1995	<b>Consulting Engineer for ISMES</b> Bergamo. Istituto Sperimentale Modelli e Strutture.
1991	<b>Consulting Engineer for Studio Mezzina-Dentamaro.</b> Bari, Italy

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**EDUCATION**

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1996	<b>PhD in Seismic Engineering.</b> PoliMI, Milan. Italy <i>PhD Thesis: "Vibration-based damage identification of masonry structures under seismic excitation".</i>
1991	<b>M.Sc Civil Engineering.</b> PoliBA, Bari. Italy <i>Dissertation title: " Seismic behavior of structures under lateral loads".</i>

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**COMPETENCES**

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**Research focus** Maria Pina Limongelli's research is presently directed on Structural Health Monitoring (SHM) with a focus on:

- Structural Health Monitoring (SHM) of bridges
- Vibration-based damage identification
- Value of Information analysis of SHM
- Seismic SHM
- Resilience of cultural heritage
- Standardization of SHM

- Monitoring-based Performance Indicators
- Dynamic behavior of dissipating and base isolation devices

**Communication skills** Maria Pina Limongelli has extensive experience and training as a communicator originating her activity as a Professor of Structural and Seismic Engineering for the School of Architects, for the Master on Sustainable Constructions and the PhD School of the ABC Department of PoliMI, and also as a frequently invited speaker at conferences, academic symposia, and Training Courses and Schools.

Languages	Reading	Writing	Verbal
<b>Italian</b>		Mother tongue	
<b>English</b>	Excellent	Excellent	Excellent
<b>French</b>	Excellent	Good	Good

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**RESEARCH PROJECTS** *Funded and cooperative projects*

Period	Role and project	Funding (k€)	Funding entity
2021-Date	<b>Project leader</b> of the POLIMI DABC unit for the ReLUI project for the assessment of the <i>Guidelines for risk management and monitoring of bridges</i> (Budget of the project 80k€)	80	Reluis, Italy
2021-Date	<b>Project leader</b> of the project <i>Cyberes: Cyber-Physical System Modelling for Resilience Management of bridges. Seal of Excellence H2020 MSCA Actions IF.</i> (Budget of the project 100k€)	100	Politecnico di Milano
2019-date	<b>Coordinator of the working group</b> for the development of the 'Guidelines for structural health monitoring of bridges' within the Contract Regione Lombardia- Politecnico di Milano	1800	Regione Lombardia, Italy
2019-date	<b>Project leader</b> of the POLIMI unit for the ReLUI project. <i>Monitoring and satellite data</i>	21	Reluis, Italy
2019-date	<b>Management Committee member</b> for COST Action CA18203. <i>Optimizing Design for Inspection.</i> (funded to the project coordinator)	510 (initial)	H2020
2014- 2019	<b>Leader of Working Group 6</b> on Dissemination in the H2020. COST Action TU1402. <i>Quantifying the value of structural health monitoring.</i> (funded to the project coordinator)	516 (initial)	H2020
2015-2019	<b>Co-Leader of the Innovation Subgroup</b> in the H2020 project COST Action TU1406. <i>Quality specification for roadway bridges, standardization at a European level.</i> (funded to the project coordinator)	680 (initial)	H2020
2018	<b>Project leader</b> of the POLIMI unit for the ReLUI project <i>Seismic performance of existing</i>	20	Reluis, Italy

	structures with base isolation and dissipative devices.		
2014-2017	<b>Project leader</b> of the POLIMI unit for the ReLUIIS. <i>Special project Seismic Monitoring of structures.</i>	30	Reluis, Italy
2007-2009	<b>Participant</b> to the PRIN project (Projects of high national interest) on Monitoring of the dynamic response of bridges and buildings for the identification of structural models and damage	58.5	Italian ministry of University and Research
2004-2006	<b>Participant</b> to the PRIN project on 'Analyses of the dynamic response of historical bridges and buildings for damage detection'	56.2	Italian ministry of University and Research
2003-2005	<b>Participant</b> to the PRIN project on 'Analyses and identification of structures under ambient vibrations	57.8	Italian ministry of University and Research
2002-2004	<b>Participant</b> to the PRIN project on 'Cyclic behavior of beam-column joints'	55.8	Italian ministry of University and Research
1999-2001	<b>Participant</b> to the Prin projects on 'System identification of structures under ambient vibrations'	51	Italian ministry of University and Research
1992-1994	<b>Participant</b> to the EU project for Training and Mobility of Researchers Programme (TMR) 'ECOEST2 LSF contract n.ERBFMGECT950047 on shaking table tests on fiber-reinforced concrete frames	120	FP5 - European Commission
1996-1998	<b>Participant to</b> 'Calibration of seismic behavior factors for reinforced concrete buildings'	150	Italian Department of Civil Protection
1994-1996	<b>Participant</b> to the EU project Environment CEC, Contract EV5V-CT92-0174 on Performance assessment of masonry structures under seismic excitations	500	FP4 - European Commission
1992-1994	<b>Participant</b> to the consultancy project 'Dynamic behavior of masonry building under seismic excitation'	45	ISMES/ENEL

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**MEMBERSHIP IN SCIENTIFIC COMMITTEES OF CONFERENCES**

*Appointed or proactively engaged in activities in support of the organization of international conferences, symposia, and workshops*

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- 2021 **Member of the Scientific and of the Advisory Committee of the SHMII-10.** 10th International Conference on Structural Health Monitoring of Intelligent Infrastructure. Porto Portugal, June 30- July 2, 2021
  - 2020 **Member of the Scientific Committee IABSE.** International Association for Bridges and Structural Engineering. Christchurch, New Zealand. September 2020
  - Member of the Scientific Committee of EWSHM.** European Workshop of Structural Health Monitoring. Palermo, Italy. July 2020.
  - Member of the Technical Committee ESREL 2020 PSAM15.** The 30<sup>th</sup>

European Safety and Reliability Conference. The 15<sup>th</sup> Probabilistic Safety Assessment and Management Conference. Venice, June 2020

**Member of the Scientific Committee HEAMES.** 3<sup>rd</sup> International Conference on health monitoring of civil and maritime structures. Edimburgh, May 2020

2019 **Member of the Scientific Committee of IWSHM.** International workshop of Structural Health Monitoring. Stanford, September 2019

**Member of the Scientific Committee of DAMAS.** Conference on Damage Assessment of Structures. Porto, Portugal, July 2019

**Member of the Scientific Committee IABSE.** International Association for Bridges and Structural Engineering. Guimaraes, March 2019

**Member of the Scientific Committee RILEM SMSS.** Sustainable materials, systems, and structures. Croatia March 2019

**Member of the Scientific Committee HEAMES.** International Conference on health monitoring of civil and maritime structures. Glasgow, May 2019

2018 **Member of the Scientific Committee IABSE.** International Association for Bridges and Structural Engineering. Nantes, September 2018

**Member of the Scientific Committee HEAMES.** International Conference on health monitoring of civil and maritime structures. Glasgow, June 2018.

**Member of the International Advisory Board SEMC Conference.** Structural engineering, mechanics, and computation, Cape Town, since February 2018.

2017 **Member of the Scientific Committee of IWSHM.** International workshop of Structural Health Monitoring. Stanford, September 2017

**Member of the Scientific Committee of DAMAS.** Conference on Damage Assessment of Structures. Kata Kyoshu, July 2017

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**MEMBERSHIP IN  
TECHNICAL AND  
PROFESSIONAL  
COMMITTEES**

*Appointed or proactively engaged in activities in support of supranational and national organizations aiming to provide professional education as well as pre-normative best practices.*

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*Appointed roles*

2021 - Date **ACI.** American Concrete Institute. Committee 444. Structural Health Monitoring. **Consulting member**

2021 - Date **JCSS.** Joint Committee of Structural Safety. **Board member, Reporter WG3** on Continuing Education and Advanced School (*starting from December 2021*)

2021 -Date **UNI** Italian National Body for Standardization. **Member** of the SHM guidelines working group CT 021/GL 08

2020 - Date **fib** International federation of structural concrete. **Co-convener TG3.3** on 'Existing Concrete Structures: Life Management, Testing and Structural Health Monitoring'.

2019 - Date **IABSE** International Association of Bridge and Structural Engineering. **Member** of the E-learning Group. **Leader** of the **TG1.9** on Training and dissemination group

2019 - Date **ISHMII Council member**

2019 - Date **ISHMII** Committee on Standardization. **Key member**

- 2019- Date **ISHMII** Committee Data-enhanced infrastructure engineering. **Technical secretary**
- 2018 - 2020 **fib AG 9**. Testing and Structural Health Monitoring. **Technical secretary**
- 2017 - Date **IABSE** Commission 1. Performance and Requirements. **Core member**
- 2003-2005 **CTE** Special Commission for the revision of the Seismic Technical Code. **Member**
- 1995- 2017 **FOIM** Continuing Learning and Training Commission. Professional association of Engineers Milano. **Member**
- Membership*
- 2020 - Date **Eurostruct**. European association on quality control of bridges and structures
- 2020 - Date **fib**. The international federation of Structural Concrete
- 2018-Date **JCSS**. Joint Committee of Structural Safety
- 2016 - Date **IABSE** International Association of bridge and Structural Engineering
- 2012-Date **ISHMII**. International Structural Health Monitoring of Intelligent Infrastructures.

**KEYNOTES AND INVITED PRESENTATIONS LECTURES AND COURSES** *Invited dissemination activity of research results*

*Keynotes*

- 2022 **Invitation for Keynote lecture** (at the 8<sup>th</sup> SEMC (International Conference on Structural Engineering and Mechanics Conference. Cape Town, September 5-7, 2022
- 2021 **Keynote lecture**. Vibration-based Monitoring for emergency management. International Conference on Structural Health Monitoring of Intelligent Infrastructures. Porto, Portugal. June 30- July 2, 2021
- 2019 **Keynote lecture**. Structural Health Monitoring of Bridges: research needs and opportunities. 5th International Conference on Bridges, Tehran, Iran. December 17-18, 2019.

*Invited lectures and presentations*

- 2020 **Invited Presentation** at the University of California, Los Angeles (UCLA). 'Value of Information for emergency management'. Virtual event. November 30, 2020.
- 2019 **Invited Lecture** at the 7<sup>th</sup> SEMC (International Conference on Structural Engineering and Mechanics Conference. Cape Town, September 2-4, 2019
- 2018 **Invited Lecture** at the Training School on Performance-Based assessment of existing road bridges. University College Dublin. July 24-25, 2018. 'Acknowledging, understanding, mitigating and adapting to hazards'
- Invited presentation**. Value of this information of SHM. University of Balamand. Balamand, Lebanon. June 2017.
- 2017 **Invited presentation**. SHM: damage localization and value of this information. University of Sheffield. Sheffield, UK. April 7, 2017.
- 2016 **Invited presentation**. Vibration-based damage identification in civil structures. IFSTERRE. Grenoble, France. April 12, 2016.
- Invited presentation**. The Interpolation Method for the detection of

- localized stiffness losses. DTU, Copenhagen. May 2015
- 2015 **Invited presentation.** The Interpolation Method for the detection of localized stiffness losses. DTU, Copenhagen. May 2015
- 2012 **Invited presentation.** Protezione e monitoraggio sismico delle costruzioni. Madexpo. Milano, Italy. October 18, 2012.

**MEMBER OF EDITORIAL BOARDS** *Appointed roles*

**Associate editor** *Associate editor of peer-reviewed international journals*

- Since 2021 ASCE. Journal of Bridge Engineering (Q1. Impact factor 3.06)
- since 2019 Journal of Civil Structural Health Monitoring. (Q1. Impact factor: 2.45)
- Since 2019 Infrastructures. Open Access Journal. Q2.
- since 2019 Engineering Structures (Q1. JCR Impact factor: 3.084)
- since 2018 Sustainable and Resilient Infrastructures. Q1

**Guest editor** *Editor of Special Issues of peer-reviewed international journals*

- 2020 Structural Concrete Journal
- 2019 Journal of Civil Structural Health Monitoring
- 2019 Structural Health Monitoring Journal
- 2014 International Journal of Earthquake Engineering

**Reviewer** *Reviewer of scientific publications in international journals*

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|------------|---|----|
| 2016-date  | Engineering Structures                          | 49 |
| 2011-date  | Mechanical Systems and Signal Processing        | 19 |
| 2014-date  | Structural Health Monitoring                    | 18 |
| 2003-2011  | European Earthquake Engineering                 | 13 |
| 2019- date | Journal of Civil Structural Health Monitoring   | 11 |
| 2003-date  | International Journal of Seismic Engineering    | 6  |
| 2007-date  | ASCE Journal of Structural Engineering          | 5  |
| 2012-date  | Earthquake Spectra                              | 3  |
| 2017- date | Structure and Infrastructure Engineering        | 2  |
| 2019-date  | ASCE Journal of Bridge Engineering              | 2  |
| 2020-date  | Smart structures and systems                    | 2  |
| 2017-date  | Frontiers                                       | 2  |
| 2020- date | Bulletin of Earthquake Engineering              | 2  |
| 2020-date  | Territori                                       | 2  |
| 2020-date  | Reliability Engineering and System Safety       | 2  |
| 2019       | Sustainable and Resilient infrastrutures        | 2  |
| 2016       | Earthquake Engineering and Structural Dynamics  | 1  |
| 2020       | Structures                                      | 1  |
| 2020       | Marine Structures                               | 1  |
| 2014       | Structural Engineering and Mechanics            | 1  |
| 2019       | Journal of Structural Integrity and Maintenance | 1  |
| 2019       | Sensors   | 1  |
| 2019       | Structural Concrete                             | 1  |
| 2016       | Probabilistic Engineering Mechanics             | 1  |

**ORGANIZATION OF SCIENTIFIC EVENTS** *Proactively engaged activities in the organization of conferences, workshops, symposiums, Training schools, professional continuing education courses*

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- 2020 **Organiser of the Special Session** on *Seismic SHM: current and future research, innovation and practice*. Session at SHMII Porto, July 2021. Structural Health Monitoring of Intelligent Infrastructures.  
**Organiser of the Special Session** *Value of Information and Integrity Management of Infrastructures*. Session at SHMII Porto, July 2021. Structural Health Monitoring of Intelligent Infrastructures.
- 2019 **Organiser of the Special Session** on *Seismic SHM for civil structures* at IWSHM. International Workshop on Structural Health Monitoring. Stanford September 2019  
**Organiser of the Special Session** *SHM informed decision-making for a resilient built environment*. Session at IABSE International Association Bridges and Structural Engineering. Guimaraes Portugal.  
**Organiser of the Special Session** *Technical codes on SHM and NDT: bridging the gap between research and applications*. Session at IABSE Guimaraes. International Association Bridges and Structural Engineering.  
**Organiser of the Special Session** *Why invest in SHM of Civil Engineering infrastructures?*. Session at IABSE Guimaraes. International Association Bridges and Structural Engineering.
- 2018 **Organiser of the Special Session** on *SHM and decision-making for infrastructures in a multi-hazard environment*. at IALCCE Ghent. International Association of Life-Cycle Civil Engineering.  
**Organiser of the Special Session** on *Value of Information of SHM for life-cycle management of Civil Structures*. at IALCCE Ghent. International Association of Life-Cycle Civil Engineering.  
**Organiser of the Special Session** on *Vibration-based SHM of bridges: research and applications*. at IABMAS Melbourne. International Association of Bridge Maintenance, Safety and Management.  
**Organiser of the Special Session** on *Open source software for seismic risk analyses: developments and applications* at 16ECEEE Thessaloniki. European Conference on Earthquake Engineering
- 2017 **Local organiser of the Training School** on the *Value of Structural Health Monitoring*. November 6-9, 2017. Cadenabbia, Italy.  
**Local organiser 10<sup>th</sup> Workshop of COST Action TU1402** on the *Value of Structural Health Monitoring*. Cadenabbia, Italy November 9-10, 2017.  
**Organiser of the Special Session** on *Seismic SHM for civil structures* at IWSHM. International Workshop on Structural Health Monitoring  
**Organiser of the Special Session** on *Assessment of the Value of SHM Information* at IWSHM. International Workshop on Structural Health Monitoring  
**Local organiser 6<sup>th</sup> Workshop of COST Action TU1406** on the *Quality specification for roadway bridges, standardization at a European level*. Paris, France. May 12, 2017.
- 2014 **Coordinator of the international workshop:** *Build resilience through smartness. Monitoring as a tool to increase resilience*. Politecnico di Milano. 12 Giugno 2014.
- 2013 **Coordinator of the national workshop:** *I beni culturali di Mantova e il terremoto*. Politecnico di Milano sede di Mantova 29 Maggio 2013.  
**Coordinator of the national workshop:** *Tra prevenzione e cura: La protezione del patrimonio edilizio dal rischio sismico*. Politecnico di Milano sede di Mantova 20 Maggio 2013.

- 2012 **Coordinator of the seminar:** 'Il terremoto in Emilia. Primi dati e considerazioni. 17 luglio 2012.
- 2002-2006 **Coordinator of short courses** of Professional Continuing Education for the Milan Association of engineers (FOIM)

## ACADEMIC ACTIVITY

<b>Teaching</b>	<i>Appointed activities as Professor of Structural and Seismic Design at Politecnico di Milano</i>	
2020_Date	Structural Health Monitoring. Master School on Seismic Design of Sustainable Constructions. PoliMI	
2018_Date	Structural damage identification: measures and approaches. PhD course ABC PhD course. PoliMI	
2015-2016	Seismic engineering/Ingegneria sismica. Development of video lectures for the Master course in english and in Italian. Telematic University UNINETTUNO	
1996- 2018	Seismic Constructions/Earthquake Architecture. School of Architecture. PoliMI	
1996- 2004	Structural Mechanics. School of Architecture. PoliMI	
2013_Date	Seismic behavior of masonry structures. Master School on Seismic Design of Sustainable Constructions. PoliMI	
<b>University services</b>	<i>Faculty services provided to support the further development and operation of the university</i>	
2018 - Date	<b>Member of the Scientific Committee of the pHD School</b> of 'Ingegneria per l'innovazione e lo sviluppo sostenibile' - DOT1338517. Università degli Studi della Basilicata	
2017 - Date	<b>Coordinator and Delegate for Politecnico di Milano</b> for the Memorandum of Understanding on Research and Academic activities with IFSTTAR, France.	
2013- 2020	<b>Coordinator of the Research Line</b> 'Risk assessment and emergency management' for the ABC Department of Politecnico di Milano	
2013- 2016	<b>Member of the Scientific Commission</b> of the Department of Architecture, Built Environment and Construction Engineering, Politecnico di Milano, Italy.	
2010- 2012	<b>Coordinator of the Dissemination activities</b> for the Department of Structural Engineering, Politecnico di Milano, Italy.	
2000-2002	<b>Member of the Permanent Commission</b> of the Faculty of Building Constructions	
2001-2005	<b>Representative</b> of Assistant Professors in the Department board	
1993-1995	<b>Representative</b> of PhD students in the Department board	
<b>Supervision activities</b>	<i>Services provided to support students in the development of their PhD, Master or Bachelor thesis or during a period of research at PoliMI as visiting</i>	
	<b>PhD students</b>	<b>Thesis</b>
2021- Date	<b>Giancarlo Costa</b> Politecnico di Milano.	Value of Information driven innovation in SHM technology
2020-Date	<b>Xiu Chen</b> Tongji University	Data fusion to optimize SHM information using remote and contact sensors



2019-Date	<b>Michele Bolognini.</b> Politecnico di Milano.	Condition monitoring of the built environment with multicopter networks
2018-Date	<b>Said Quqa</b> University of Bologna	Exploiting the environment for structural health monitoring
2018-Date	<b>Zehra Irem Turksezer.</b> Politecnico di Milano.	Resilience Management of Cultural Heritage Structures
2017-2021	<b>Pier Francesco Giordano.</b> Politecnico di Milano	The value of Structural Health Monitoring in emergency management ( <i>awarded with honor</i> )
2017-2020	<b>Amin Fathi</b> Amirkabir University of Technology (Iran)	Damage detection using vibration-based monitoring
2014-2017	<b>Emanuele Gandelli.</b> Politecnico di Milano.	Advanced tools for the design of sliding isolation systems for seismic retrofitting of hospitals ( <i>awarded with honor</i> )
2014-2017	<b>Chiara Iacovino</b> University of Basilicata	Innovative techniques for structural health monitoring: damage detection on frames

#### **Master students**

2021	<b>Mattia Bolzacchini</b> Politecnico di Milano.
2020	<b>Chiara Calvarese</b> Politecnico di Milano
2020	<b>Luca Sartorelli</b> Politecnico di Milano
2020	<b>Mattia Palermo</b> Politecnico di Milano
2019	<b>Gabriele Paratore</b> Politecnico di Torino
2018	<b>Meng Yi Ren.</b> Politecnico di Milano
2018	<b>Antonio Benedetto.</b> Politecnico di Torino
2017	<b>Gioele Tagliabue</b> Politecnico di Milano
2016	<b>Gianmarco Bosco</b> Politecnico di Torino
2016	<b>Francesco Bursi</b> Politecnico di Torino
2016	<b>Mattia Tirone.</b> Politecnico di Torino
2014	<b>Angelo Salvi.</b> Politecnico di Milano
2013	<b>Arianna Gecchelin.</b> Politecnico di Milano
2012	<b>Alice Sartori.</b> Politecnico di Milano

#### **Thesis**

Value of SHM for scour emergency management
Seismic vulnerability of Gualtieri Palace
Use of SAR satellite data in bridge structural health monitoring. ( <i>awarded with honor</i> )
On the efficiency of dynamic testing for the safety evaluation of supported bridge.
Theory and application of the Wave Finite Element for the dynamic analysis of bridges
Numerical modeling for damage localization in composite materials
SHM of buried pipelines for Water Distribution Systems
Temporary post-seismic shelters
Localization of damage in an r.c. building using vibration-based identification techniques. ( <i>awarded with honor</i> )
Identification of damages based on the analysis of the vibrations.
Damage identification in a benchmark structure using vibration-based methods. ( <i>awarded with honor</i> )
Influence of regularity on the seismic performance of buildings
Time did not stop in Bussana: seismic vulnerability of the Sant'Egidio church. ( <i>awarded with honor</i> )
Seismic Vulnerability of San Rocco bridge in Vimercate

1998	<b>Lorenzo Scaglione.</b> Politecnico di Milano	Temporary housing modules as shelters in post-earthquake emergency management
1998	<b>Angela Maria Gianni.</b> Politecnico di Milano (co-supervision)	On the impact of the seismic assessment on the architectural shape of buildings
1996	<b>Vanessa Finzi.</b> Politecnico di Milano (co-supervision)	Design of a building on pilotis in a seismic prone region ( <i>awarded with honor</i> )
1996	<b>Maria Galati.</b> Politecnico di Milano (co-supervision)	Design of a building on pilotis in a seismic prone region ( <i>awarded with honor</i> )
	<b>Bachelor students</b>	<b>Thesis</b>
2008	<b>Calati Cinzia.</b> Politecnico di Milano	Performance of precast structures under seismic excitation
2007	<b>Antonio Viviani.</b> Politecnico di Milano	Structural analysis of the Centre Pompidou in Paris
	<b>Visiting students</b>	<b>Project</b>
2021- date	<b>Xiu Cheng</b> Tonji University China	PhD student funded Chinese Scholarship Council Visiting period 1 year Project: Digital Twins for civil structures
2019-2020	<b>Michal Venglar.</b> University of Bratislava, Slovakia.	Postdoc from Erasmus exchange Visiting period 4 months. Project: SHM of bridges
2017-2018	<b>Amin Fathi.</b> Amirkabir University, Tehran, Iran	PhD student Visiting period: 6 months Project: Vibration-based damage localization
2017	<b>Ivan Duvjak.</b> Zagreb University, Croatia.	Postdoc Visiting period 2 weeks Project: Vibration-based damage detection in plates
2016-2017	<b>Kultigin Demirlioglu.</b> Bogazici University, Istanbul, Turkey.	Erasmus Master student Visiting period 6 months. Project: Seismic performance assessment of historical buildings

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**PARTICIPATION TO REVIEW AND EVALUATION PANELS** *Leadership or membership to evaluation panels responsible for review of research activities and award of titles*

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- 2020 **External evaluator** for the award of the PhD title from the University of Trento, Italy (candidate Aleksandar Zhelyazkov).  
**External evaluator** for the award of the PhD title from the University of Strathclyde, UK (candidate Andrea Verzobio).
- 2018 **External evaluator** for the award of the **PhD** title from the Universitat fur Bodenkultur Wien (candidate Anja Vidovic).  
**Examiner** for the award of the PhD title from the University of Sheffield, UK (candidate Iason Iakovidis).

- 2014 **External examiner** for the award of the PhD title from the School of Civil & Environmental Engineering at Nanyang Technological University (candidate Zhang Yao).
- 2012 **President** of the assessment committee for the award of **the PhD from Politecnico di Milano** (candidates Roberto Guidotti and Andrea Titi).  
**External examiner** for the award of the PhD title from Politecnico di Bari (candidate Fabrizio Palmisano).
- 2011 **Member of the Committee** for the award of the Architect professional licence from Politecnico di Milano

*Review of research proposals and projects*

- 2022 **Reviewer** for **CIVIS3i** Alliance Programme for International, Interdisciplinary, Intersectoral Research and Training for Experienced Researchers
- 2021 **Reviewer** for the Italian **VQR-ANVUR**. Valutazione Qualità Ricerca: Agenzia nazionale di valutazione del sistema universitario e della ricerca
- 2021 **Reviewer** for the Italian **Legambiente** award.
- 2021 **Reviewer** for the Fundação para a Ciência e a Tecnologia, (**FCT**). Portuguese public funding agency for R&D
- 2020 **Reviewer** for the European Research Council (**ERC**). Consolidator Grant  
**Reviewer for the NWO** (Dutch Research Council)  
**Reviewer for the IRF** (Icelandic Research Foundation)
- 2017 **Reviewer** for the Research Foundation Flanders (**FWO**)  
**Reviewer** for **VLIR-UOS** the Flemish university umbrella organisations for the partnerships between universities and university colleges.
- 2012 **Reviewer** for Italian National Research Projects Futuro in Ricerca di Base (**FIRB**)

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**PARTICIPATION IN RECRUITMENT COMMITTEES**

*Leadership or membership to evaluation panels responsible for review of research activities and award of titles*

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- 2021 **Component of the recruitment committee** for the selection of an **Associate Professor** of Structural Design at Politecnico di Torino. School of Engineering
- 2021 **Component of the search committee** for the **Faculty Position** in Digital Infrastructure at the School of Architecture, Civil and Environmental Engineering, ENAC, EPFL
- 2018 **Component of the recruitment committee** for the selection of an **Assistant Professor** of Structural Design at the University of Padua. School of Engineering
- 2002 **Component of the recruitment committee** for the selection of an **Assistant Professor** of Structural Design at Politecnico di Bari.
- 2001 **Component of the recruitment committee** for the selection of an **Assistant Professor** of Structural Design at Politecnico di Bari.
- 2001 **Component of the recruitment committee** for the selection of a **Technical assistant** for the Department of Structural Engineering of Politecnico di Milano.

1. Iacovino C., Turksezer, Z.I., Giordano P.F., **Limongelli, M.P.** (2021) Comparison of Bridge Inspection Policies in terms of data quality. *Submitted*.
2. Giordano P.F., Turksezer, Z.I., Previtali M., **Limongelli, M.P.** (2021). Damage detection on a historic iron bridge using satellite DInSAR data. *Submitted*
3. Pisani M.A., **Limongelli M.P.**, Giordano P.F., Palermo M. (2021). On the effectiveness of vibration-based monitoring for prestressed structures. *Submitted*
4. Pregnotato M., Prendergast L., Giordano P.F., Vardanega P.J., **Limongelli M.P.** (2021). Maturity level of risk-based scour management approaches. *Submitted*
5. Giordano P.F, Prendergast Luke J., **Limongelli, M.P.**, (2021) "A framework for assessing the value of information for health monitoring of scoured bridges" *submitted*
6. Turksezer Z.I., Iacovino C., Giordano P.F., and **Limongelli M.P.**, "Development and Implementation of Indicators to Assess Bridge Inspection Practices," *ASCE Journal of Construction Engineering and Management* vol. 147, no. 12, pp. 1–14, 2021, doi: 10.1061/(ASCE)CO.1943-7862.0002195.
7. S. Quqa, P. F. Giordano, **M. P. Limongelli**, Landi L. Diotallevi P. P. (2021). Clump interpolation error for the identification of damage using decentralized sensor networks. in *Smart Structures and Systems, An International Journal*, Vol. 27, No. 2, February 2021. DOI: 10.12989/sss.2021.27.2.351. (JCR Impact factor: 3.557)
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