

**CURRICULUM VITAE**

**RICARDO NUNO CARVALHO MONTEIRO**

**NOVEMBER, 2020**

## 1. PERSONAL INFORMATION

**NAME:** Ricardo Nuno Carvalho Monteiro  
**BIRTHDATE:** February 10, 1982  
**NACIONALITY:** Portuguese  
**PLACE OF BIRTH:** Porto, Portugal  
**E-MAIL:** [ricardo.monteiro@iusspavia.it](mailto:ricardo.monteiro@iusspavia.it)

## 2. EDUCATION

<b>2011</b>	European Ph.D. in Civil Engineering, University of Porto, Portugal (1-year placement at ROSE School, Pavia, Italy)
<b>Thesis Title:</b>	<i>Probabilistic Seismic Assessment of Bridges</i>
<b>Advisors:</b>	Prof. Raimundo Delgado (University of Porto) Prof. Aníbal Costa (University of Aveiro)
<b>2005</b>	Civil Engineering Degree (Structural Engineering Curriculum), University of Porto, Portugal
<b>Final Grade</b>	17 out of 20 (ranked 1 <sup>st</sup> )

## 3. CURRENT AND PAST APPOINTMENTS

<b>November 2019 – Present</b>	Associate Professor, University School for Advanced Studies IUSS Pavia, Italy
<b>November 2016 – October 2019</b>	Senior Assistant Professor, University School for Advanced Studies IUSS Pavia, Italy
<b>December 2011 – October 2016</b>	Junior Assistant Professor, University School for Advanced Studies IUSS Pavia, Italy
<b>August 2011 – Present</b>	Affiliated Post-Doctoral Researcher, European Centre for Training and Research in Earthquake Engineering, Pavia, Italy
<b>August 2011 – Present</b>	Affiliated Post-Doctoral Researcher, Institute of R&D in Structures and Construction, Faculty of Engineering, University of Porto, Portugal
<b>October 2010 – November 2011</b>	Researcher, University of Pavia, Structural Mechanics Department

## 4. RESEARCH ACTIVITIES

### Supervision/Co-Supervision of PhD and MSc Theses

<b>2013 – Present</b>	Supervision/Co-supervision of 10 PhD Theses: <ol style="list-style-type: none"><li>1. Zelaschi, C. (2017) PhD in Earthquake Engineering and Engineering Seismology (ROSE), <i>Seismic assessment of spatially-distributed RC bridge portfolios</i></li><li>2. Jiang, Y. (2018) PhD in Earthquake Engineering and Engineering Seismology (ROSE), <i>Seismic assessment of composite frames with concrete-filled steel tube columns</i></li><li>3. Vecere A. (2019) PhD in Risk and Emergency Management (REM), <i>Near Real-time Flood Loss Estimation as a Basis for Risk Financing Mechanisms</i></li></ol>
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4. Perdomo C. (2020) PhD in Earthquake Engineering and Engineering Seismology (ROSE), *Direct Economic Loss Assessment of Multi-Span Continuous RC Bridges under Seismic Hazard*
5. Silva A. (2020) PhD in Earthquake Engineering and Engineering Seismology (ROSE), *Implications of earthquake-induced loss control in seismic design provisions*
6. Torres J. (2020) PhD in Risk and Emergency Management (REM) *Crossing borders: A comparative assessment of community resilience to natural hazards in Arica, Chile and Tacna, Peru*
7. Rodriquez C. (2020) PhD in Risk and Emergency Management (REM) *A framework to assess disaster resilience based on the sustainable development goals*
8. Abarca, A. (2021, expected), PhD in Earthquake Engineering and Engineering Seismology (ROSE) *Seismic assessment of RC bridge infrastructure*
9. Shahnazaryan, D. (2021, expected), PhD in Earthquake Engineering and Engineering Seismology (ROSE) *Consideration of expected annual losses in the seismic design of RC structures*
10. Mucedero, G. (2022, expected), PhD in Earthquake Engineering and Engineering Seismology (ROSE) *Large scale seismic risk assessment of existing RC buildings in Italy*

Supervision or co-supervision of 39 Master Theses:

1. Purushothama, C. (2019) MSc in Geomechanics, Civil Engineering and Risks (University of Grenoble Alpes, France), *Simplified Seismic Assessment of Infilled RC Frames*
2. Leone, J. (2019) MSc in Earthquake Engineering and Engineering Seismology (MEEES), *Evaluation of Risk Consistency of Force-Based and Displacement-Based Design Methods*
3. Mora, A. (2019) MSc in Earthquake Engineering and Engineering Seismology (MEEES), *Evaluation of Risk Consistency of Force-Based and Displacement-Based Design Methods for Reinforced Concrete Moment Frames*
4. Akan, O. (2019) MSc in Earthquake Engineering and Engineering Seismology (MEEES), *Establishing Displaced Shapes of Infilled RC Frames in Displacement-Based Design and Assessment*
5. Cripstyani, M. (2019) MSc in Earthquake Engineering and Engineering Seismology (MEEES), *Seismic Risk Assessment of Bridges in Indonesia*
6. Ahmed, S. (2019) MSc in Earthquake Engineering and Engineering Seismology (MEEES), *Large-Scale Seismic Risk Assessment and Definition of Retrofitting Strategies for RC Buildings*
7. Gonzalez, I. (2018) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Implications of seismic design provisions on accelerations sensitive non-structural components due to earthquake loading*
8. Alvarez, L. (2018) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Effect of material mechanical property variability on seismic performance of steel frames*
9. Shahnazaryan, D. (2018) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Comparison of earthquake-induced losses of reinforced concrete and steel frame buildings*
10. Rica, V. (2018) MSc Erasmus Mundus in Earthquake Engineering and Engineering Seismology (MEEES), *Integrated Seismic Risk in Palestine*
11. Carofilis, W. (2018) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Seismic Loss Assessment and Retrofitting Strategies of a RC School Building*
12. Bellotti, V. (2018) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Seismic assessment of low-rise masonry buildings in Groningen's province (NL)*

13. Zampieri, S. (2018) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Human-Induced Seismicity in Groningen: Prioritization of risk assessments and Resilience-Based Design*
14. Bagavasingam, T. (2018) MSc Erasmus Mundus in Earthquake Engineering and Engineering Seismology (MEEES), *Development of Fragility Curves for RC Buildings in Northern Algeria*
15. Mercurio, A. (2018) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Floor Response Spectrum for Seismic Design: Intervention on a High-Rise Building in Milan*
16. Borozan J. (2017) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Seismic assessment of RC buildings considering soil-structure interaction*
17. O’Hearne N. (2017) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Seismic numerical assessment of historical buildings*
18. Musta P. (2017) MSc Erasmus Mundus in Earthquake Engineering and Engineering Seismology (MEEES), *Simplified Numerical Models for Seismic Performance of CFSTs*
19. Gaviria A. (2016) MSc in Risk and Emergency Management (REM), *Database of standards, practices and procedures for disaster risk reduction*
20. Sarchi, L. (2016) MSc in Risk and Emergency Management (REM), *Numerical modeling of non-engineered structures*
21. Perdomo C. (2016) MSc Erasmus Mundus in Earthquake Engineering and Engineering Seismology (MEEES), *Use of Generalized Force Vectors for multi-mode pushover analysis of bridges*
22. Kalemi, B. (2016) MSc Erasmus Mundus in Earthquake Engineering and Engineering Seismology (MEEES), *Seismic Performance of RC Filled Steel Columns*
23. Mystiliadi, A. (2016) MSc Erasmus Mundus in Earthquake Engineering and Engineering Seismology (MEEES), *Steel fibres reinforced concrete in static and dynamic conditions*
24. Qu, L. (2015) MSc Erasmus Mundus in Earthquake Engineering and Engineering Seismology (MEEES), *Seismic performance of RC structures with mixed steel-FRP rebars*
25. Vecere, A. (2015) MSc in Risk and Emergency Management (REM), *Post Disaster Needs Assessment – Shelter structures*
26. Ejiofor, M. (2015) MSc in Risk and Emergency Management (REM), *Flood Risk Model for Nigeria*
27. Civiletti, G. (2015) MSc in Risk and Emergency Management (REM), *Improved models for increased seismic risk awareness*
28. Jiang, Y. (2014) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Sustainable High Performance Concrete-Steel Tubular Columns for Seismic Areas*
29. Ahmed, K. (2014) MSc in Risk and Emergency Management (REM), *Seismic Risk Assessment in Pakistan*
30. Ghazaryan, A. (2014) MSc in Risk and Emergency Management (REM), *Disaster risk financing and insurance strategy*
31. Keramat, S. (2014) MSc in Risk and Emergency Management (REM), *Reducing Disaster Risk through Promotion of Rights and Good Governance*
32. Zhang, X. (2013) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Different Approaches to Derive Analytical Fragility Functions of Bridges*
33. Zelaschi, C. (2013) MSc in Earthquake Engineering and Engineering Seismology (ROSE), *Systemic characterization of RC bridges for seismic loss assessment*
34. Sriwastava, A. (2013) MSc in Risk and Emergency Management (REM), *Development of a methodology to distribute existing rainfall amounts on terrain and simulation of rainfall induced flooding*
35. Sepitci, B. (2013) MSc in Risk and Emergency Management (REM), *The Relationship between Global Climate Change and Rainfall Induced Natural Hazards*

36. Santos, R. (2013) MSc in Risk and Emergency Management (REM), *Assessing housing needs following the Canterbury Earthquakes: A critical review of predictive models and feasibility of their implementation in New Zealand*
37. González, R. (2013) MSc in Risk and Emergency Management (REM), *From hurricane hazard modelling to risk assessment; a comparative study*
38. Servi, Y. (2013) MSc in Risk and Emergency Management (REM), *Disaster Risk Management for the East Asia and Pacific Region*
39. Endire, Y. (2013) MSc in Risk and Emergency Management (REM), *Wildfire Risk Assessment in Benishangul Gumuz Regional State of Ethiopia*
- 2007 – 2009** Tutor of 3 Civil Engineering MSc theses at University of Porto, Portugal (Main Supervisor: Prof. Raimundo Delgado)
1. Carvalho, A. (2009) MSc in Civil Engineering, *Seismic Assessment of reinforced concrete bridges*
  2. Sousa, L. (2008) MSc in Civil Engineering, *Seismic assessment of reinforced concrete hollow piers bridges*
  3. Ribeiro, R (2008) MSc in Civil Engineering, *Pushover analysis of reinforced concrete bridges*

### Coordination/Participation in National/International Training and Research Projects

- July 2019** **Coordinator**  
**IUSS Pavia, Italy**  
*Intensive course on “Risk Assessment and Emergency Management of Disasters due to Natural Hazards”*  
Funded by: Earthquake Disaster Policy Division, Ministry of the Interior and Safety, South Korea  
Budget: €19,000.00
- January 2019 – Present** **Research Unit Coordinator**  
**IUSS Pavia, Italy**  
*ReLUIS - Network of Seismic Engineering University Laboratories*  
Work Package 5 – Assessment of integrated seismic retrofitting schemes  
Funded by: Italian Civil Protection Department  
Budget: €75,000.00
- August 2018 – Present (August 2021)** **WP Coordinator (PI: Dr. José Miguel Castro)**  
**IUSS Pavia, Italy and University of Porto, Portugal**  
*MitRisk - Framework for seismic risk reduction resorting to cost-effective retrofitting solutions*  
Funded by: Portuguese National Foundation for Science and Technology  
**Main Tasks:** Cost-benefit analysis in seismic loss estimation  
Budget: €160,670.97
- January 2018 – December 2019** **Co-Principal Investigator (Co-PI: Prof. Michele Calvi)**  
**Eucentre Foundation, Italy**  
*INFRA-NAT – Increased Resilience of Critical Infrastructure under Natural and Human-induced Hazards*  
Funded by: European Commission – DG-ECHO  
Budget: €762,839.05
- January 2018 – Present** **Deputy Coordinator (PI: Prof. Michele Calvi)**  
**IUSS Pavia, Italy**  
*Dipartimenti di Eccellenza - Revision of Seismic Action and Design*  
Funded by: Italian Ministry of Education and Research (MIUR)  
Budget: €8,205,100.00
- January 2017 – June 2020** **WP Coordinator (Exposure Model) (PI: Dr. Mário Marques)**  
**IUSS Pavia, Italy and University of Porto, Portugal**  
*SMARTER - Seismic Urban Risk Assessment in Iberia and Maghreb*  
Funded by: Portuguese National Foundation for Science and Technology  
Budget: €86,592.00

January 2017 – December 2018	<p><b>Principal Investigator</b>  <b>IUSS Pavia, Italy</b>  <i>ITERATE – Improved Tools for Disaster Risk Mitigation in Algeria</i> Funded by:  European Commission – DG-ECHO  Budget: €568,281.00</p>
January 2016 – December 2017	<p><b>Research Unit Coordinator</b> (PI: Dr. Alessia Rodriguez y Baena)  <b>IUSS Pavia, Italy</b>  <i>Technical Cooperation Regional Project - Strengthening Capacity for  Harmonized Risk Assessment of Nuclear Facilities and Natural Hazards</i>  Funded by: UN International Agency for Atomic Energy (IAEA)  Budget: €446,000.00</p>
January 2016 – December 2018	<p><b>Co-Principal Investigator</b> (Co-PI: Prof. Michele Calvi)  <b>IUSS Pavia, Italy</b>  <i>ReLUIS - Network of Seismic Engineering University Laboratories</i>  Research Line 7 – Displacement-based seismic loss assessment  Funded by: Italian Civil Protection Department  Budget: €475,250.00</p>
28 January 2015 – 25 July 2018	<p><b>Deputy Coordinator</b> (PI: Prof. Michele Calvi)  <b>IUSS Pavia, Italy</b>  <i>SYRIS-ERC – Systemic Risk Modelling and Governance</i>  Funded by: Lombardy Region and Cariplo Foundation  Budget: €166,842.00</p>
January 2015 – December 2016	<p><b>Research Unit Deputy Coordinator</b> (PI: Dr. Barbara Borzi)  <b>IUSS Pavia, Italy</b>  <i>SASPARM2.0 - Support Action for Strengthening Palestine capabilities for  seismic Risk Mitigation</i>  Funded by: European Commission – DG-ECHO  Budget: €666,644.00</p>
January 2015 – June 2016	<p><b>Deputy Coordinator</b> (PI: Prof. Michele Calvi)  <b>Eucentre Foundation, Italy</b>  <i>Progetto Scuole</i>  Funded by: Centre of Integrated Geomorphology for the Mediterranean Area  (CGIAM) and Italian Ministry of Education and Research (MIUR)  Budget: €1,500,000.00</p>
June 2014 – Present	<p><b>Coordinator</b>  <b>IUSS Pavia, Italy</b>  <i>Erasmus+ Mobility Programme</i>  Funded by: European Commission  Budget: €94,927.00</p>
January 2014 – Present	<p><b>Coordinator</b>  <b>Eucentre Foundation, Pavia, Italy</b>  <i>Convenzione Attuativa Eucentre-DPC</i>  Progetto 1 – Coordinamento e sviluppo di attività di formazione, anche a livello  internazionale, con il coinvolgimento di altre università ed istituzioni  Funded by: Italian Civil Protection Department  Budget: €155,000.00</p>
January 2014 – December 2015	<p><b>Research Unit Coordinator</b>  <b>IUSS Pavia, Italy</b>  <i>ReLUIS - Network of Seismic Engineering University Laboratories</i>  Research Line 7 – Displacement-based loss assessment of existing buildings  Funded by: Italian Civil Protection Department  Budget: €73,760.97</p>

September 2013 – February 2019	<p><b>Deputy Coordinator</b> (PI: Prof. Michele Calvi)  <b>IUSS Pavia, Italy</b>  <i>MEEES – Erasmus Mundus Master in Earthquake Engineering and Engineering Seismology</i>  Funded by: European Commission  Budget: €1,577,600.00</p>
June 2013 – September 2015	<p><b>Task Coordinator</b> (PI: Dr. Mário Marques)  <b>Eucentre Foundation, Pavia, Italy and University of Porto, Portugal</b>  <i>PRISE - Earthquake Loss Assessment of the Portuguese Building Stock</i>  Funded by: Portuguese National Foundation for Science and Technology  <b>Main Tasks:</b> Seismic Risk Exposure Model for Portuguese Building Stock  Budget: €193,080.00</p>
November 2010 – October 2014	<p><b>Task Coordinator</b>  <b>Eucentre Foundation, Pavia, Italy</b>  <i>NERA - Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation</i>  Funded by: European Commission (FP7)  Budget: €11,949,356.04</p>
October 2010 – November 2011	<p><b>Post-Doctoral Researcher</b>  <b>University of Pavia, Italy</b>  <i>SYNER-G - Systemic Seismic Vulnerability and Risk Analysis for Buildings, Lifeline Networks and Infrastructures Safety Gain</i>  Funded by: European Commission (FP7)  Budget: €4,784,534.55</p>
January – September 2010	<p><b>Doctoral Researcher</b>  <b>University of Porto, Portugal</b>  <i>Seismic Assessment and Retrofitting of Bridges</i>  Funded by: Portuguese National Foundation for Science and Technology</p>
March 2005 – July 2007	<p><b>Doctoral Researcher</b>  <b>University of Porto, Portugal</b>  <i>LESSLOSS - Risk Mitigation for Earthquakes and Landslides, Subproject 9, Probabilistic risk assessment: methods and applications</i>  Funded by: European Commission (FP6)  Budget: €11,800,000.00</p>

## 5. TEACHING ACTIVITIES

October 2019	<p><b>Invited Lecturer</b>  <b>Stellenbosch University, South Africa</b></p> <ul style="list-style-type: none"> <li>– MEng/PhD in Civil Engineering, 1-week intensive course on “<i>Seismic Design of RC Buildings</i>”</li> <li>– 3-day session in Stellenbosch for practitioners on “<i>Seismic Design of RC Buildings</i>”</li> <li>– 3-day session in Johannesburg for practitioners on “<i>Seismic Design of RC Buildings</i>”</li> </ul>
June 2018 – today	<p><b>Lecturer</b>  <b>University of Pavia and IUSS Pavia, Italy</b>  MSc in Civil Engineering for Risk Mitigation from Natural Hazards  PhD in Earthquake Engineering and Engineering Seismology (ROSE)  <i>Fundamentals of Seismic Design</i></p>
February 2018 – March 2018	<p><b>Teaching Assistant</b>  <b>IUSS Pavia, Italy</b>  <i>Earthquake Engineering and Engineering Seismology</i>  (Lecturer: Gian Michele Calvi)</p>

<b>October 2017</b>	<p><b>Invited Lecturer</b>  <b>Stellenbosch University, South Africa</b></p> <ul style="list-style-type: none"> <li>– MEng/PhD in Civil Engineering, 1-week intensive course on “<i>Seismic Design of RC Buildings</i>”</li> <li>– 1-day session in Stellenbosch for practitioners on “<i>Seismic Design of RC Buildings</i>”</li> <li>– 1-day session in Johannesburg for practitioners on “<i>Seismic Design of RC Buildings</i>”</li> </ul>
<b>November 2016</b>	<p><b>Lecturer</b>  <b>IUSS Pavia, Italy</b>  PhD in Understanding and Managing Extremes (ROSE curriculum)  <i>Seismic Safety for Nuclear Installations: From Hazard Assessment to Structural Analysis</i></p>
<b>November 2015</b>	<p><b>Invited Lecturer</b>  <b>Stellenbosch University, South Africa</b>  1-day session in Johannesburg for practitioners on “<i>Seismic Design of RC Buildings</i>”</p>
<b>October 2015</b>	<p><b>Invited Lecturer</b>  <b>Stellenbosch University, South Africa</b>  MEng/PhD in Civil Engineering, 1-week intensive course on “<i>Seismic Design of RC Buildings</i>”</p>
<b>April 2013 – May 2014</b>	<p><b>Teaching Assistant</b>  <b>IUSS Pavia, Italy</b>  <i>Myths and Fallacies in Structural Engineering</i>  (Lecturer: Gian Michele Calvi)</p>
<b>November 2013</b>	<p><b>Invited Lecturer</b>  <b>Eucentre Foundation, Pavia, Italy</b>  2-day course for practitioners on “<i>Displacement Based Seismic Design of RC Buildings</i>”</p>
<b>November 2012</b>	<p><b>Invited Lecturer</b>  <b>University of Porto, Faculty of Engineering, Portugal</b>  <i>Behaviour of Structures in Seismic Prone Regions</i>  2-week training module provided to a delegation of Turkish practitioners with a view to provide them with tools to carry out seismic assessment in specific Turkish regions.</p>
<b>May – June 2012</b>	<p><b>Teaching Assistant</b>  <b>IUSS Pavia, (formerly) ROSE School</b>  MSc/PhD in Earthquake Engineering and Engineering Seismology (ROSE)  <i>Displacement Based Seismic Design of Structures</i>  (Lecturers: Nigel Priestley and Gian Michele Calvi)</p>
<b>November 2011</b>	<p><b>Teaching Assistant</b>  <b>IUSS Pavia, Italy</b>  <i>Understanding Earthquake Engineering</i>  (Lecturer: Gian Michele Calvi)</p>
<b>February – March 2011</b>	<p><b>Teaching Assistant</b>  <b>IUSS Pavia, (formerly) ROSE School</b>  MSc/PhD in Earthquake Engineering and Engineering Seismology (ROSE)  <i>Seismic Assessment and Retrofitting of Existing Structures</i>  (Lecturer: Rui Pinho)</p>
<b>September 2007 – February 2008</b>	<p><b>Teaching Assistant</b>  <b>Faculty of Engineering, University of Porto, Portugal</b>  MSc in Civil Engineering  <i>Structural Analysis</i></p>



## 6. ACADEMIC COORDINATION

October 2016 – Present	<b>Coordinator</b> MSc in Earthquake Engineering and Engineering Seismology (ROSE)
September 2013 – Present	<b>Deputy Coordinator</b> Erasmus Mundus MSc in Earthquake Engineering and Engineering Seismology (MEEES)
September 2013 – September 2016	<b>Deputy Coordinator</b> MSc in Earthquake Engineering and Engineering Seismology (ROSE)
September 2012 – August 2015	<b>Deputy Coordinator</b> MSc in Risk and Emergency Management (REM)

## 7. ACADEMIC EVALUATION COMMITTEES

April 2013, July 2013, October 2013, April 2014, July 2014, April 2016, April 2019	<b>Member of the Undergraduate Courses Final Exam Committee</b> Department of Science, Technology and Society
December 2016, May 2016	<b>Member of the PhD Final Exam Committee</b> PhD in Understanding and Managing Extremes (UME)
a.y. 2017/2018 to 2019/2020	<b>Member of the Admission Committee</b> MSc in Civil Engineering for Mitigation of Risk from Natural Hazards
a.y. 2013/2014 to 2019/2020	<b>Member of the Admission Committee</b> PhD in Understanding and Managing Extremes (UME)
a.y. 2014/2015 to 2018/2019	<b>Member of the Application Evaluation Committee</b> Erasmus+ Student Mobility Programme
a.y. 2014/2015 to 2016/2017	<b>Member of the Admission Committee</b> Erasmus Mundus MSc in Earthquake Engineering and Engineering Seismology (MEEES)
a.y. 2014/2015 to 2016/2017	<b>Member of the Admission Committee</b> MSc in Earthquake Engineering and Engineering Seismology (ROSE)
a.y. 2012/2013 to 2015/2016	<b>Member of the Admission Committee</b> MSc in Risk and Emergency Management (REM)
a.y. 2014/2015	<b>Member of the Admission Committee</b> MSc in Environmental and Chemical Risk (ECR)

## 8. EDITORIAL ACTIVITIES

December 2019 - present	<b>Associate Editor</b> Frontiers of Built Environment (Earthquake Engineering)
January 2016 - present	<b>Editorial Manager</b> Journal of Earthquake Engineering – Taylor and Francis <b>Guest Editor</b> Special Issue (Journal of Earthquake Engineering – Taylor and Francis) in “Seismic assessment and conservation of historical monuments – Selected papers of the 2 <sup>nd</sup> AID Monuments Conference 2015” <b>Guest Editor</b> Special Issue (Journal of Earthquake Engineering – Taylor and Francis) in “Displacement-based seismic loss assessment of existing buildings”
October 2015 - Present	<b>Editorial Board Member</b> Civil Engineering Journal, K.N. Toosi University of Technology, Tehran, Iran
October 2010 - Present	<b>Technical Reviewer for 17 peer-review journals</b> Earthquake Spectra, Engineering Structures, Earthquakes and Structures, Bulletin of Earthquake Engineering, Journal of Earthquake Engineering, Journal of Bridge Engineering, International Journal of Disaster and Risk Reduction, Algorithms, Geosciences, Materials, Computers and Concrete, Earthquake Engineering and Engineering Vibration, Structures and Buildings, International Journal of Geo-Information, Arabian Journal Science Engineering, NED University Journal of Research, Civil Engineering Journal

## 9. OTHER APPOINTMENTS

January 2020 – Present	<b>Member of the Joint Commission</b> Italian Department of Civil Protection and Eucentre Foundation
October 2019	<b>Invited Theme Speaker</b> Fifth International Conference on Earthquake Engineering and Seismology (SICEES), Ankara, Turkey <i>Evaluation of different approaches for computation of expected annual seismic losses of RC bridge portfolios</i>
September 2019	<b>Member of Scientific Committee and Session Co-Organiser</b> SECED 2019 Conference - Society for Earthquake and Civil Engineering Dynamics, Greenwich, UK <i>Risk assessment in developing countries</i>
May 2019	<b>Chairman</b> 4 <sup>th</sup> Second International Workshop on Seismic Performance of Non-Structural Elements (SPONSE), Pavia, Italy <i>Seismic demand on non-structural elements</i>
January 2018 – Present	<b>Senior Advisor</b> Department of Education and Training Eucentre Foundation, Pavia, Italy
December 2017	<b>Invited Speaker</b> <i>Integrated seismic risk in Mediterranean and Middle-East countries - The case-studies of Palestine and Algeria</i> The XXXVII International Workshop on Seismicity and Seismic Hazard Mitigation in the Extended Mediterranean Region UNESCO-RELEM 2017, Madrid, Spain

<b>April 2017</b>	<p><b>Invited Speaker</b>  <i>Seismic Vulnerability and Loss Assessment of Italian School Buildings</i>  Vulnerability and Loss Estimation Workshop  USAID and GEM Foundation, Pavia, Italy</p>
<b>August 2016</b>	<p><b>Scientific Committee Member</b>  6<sup>th</sup> International Disaster and Risk Conference IDRC Davos 2016</p>
<b>July 2016</b>	<p><b>Seismic Risk Consultant/Expert</b>  International Agency for Atomic Energy (IAEA), United Nations</p>
<b>November 2015 – Today</b>	<p><b>Invited PhD Examining Committee Member</b></p> <ol style="list-style-type: none"> <li>1. Tuba Tatar (Advanced Methodology for Estimation of Economic Losses in RC Buildings) PhD in Civil Engineering, University of Porto, Portugal, September 2019</li> <li>2. Junaid Akbar (Strengthening of RC Frames using Haunch Retrofit Solutions), PhD in Civil Engineering, University of Engineering and Technology, Peshawar, Pakistan, February 2019</li> <li>3. Luís Martins (Earthquake Damage and Loss Assessment of Reinforced Concrete Buildings) PhD in Civil Engineering, University of Porto, Portugal, May 14, 2018</li> <li>4. Rita Peres (Performance Based Seismic Design and Assessment of Irregular Steel Structures) PhD in Civil Engineering, Technical University of Lisbon, Portugal, June 6, 2017</li> <li>5. Fabrizio Cornalli (Evaluation of the Expected Annual Loss for Precast Concrete Industrial Structures) PhD in Civil Engineering, University of Bergamo, Italy, May 10, 2017</li> <li>6. Luís Sousa (Development of innovative methodologies for the treatment of uncertainties in the earthquake loss assessment of building portfolios) PhD in Civil Engineering, University of Porto, Portugal, May 5, 2017</li> <li>7. Miriam Lopez (Optimum seismic isolation design parameters for multi-span slab-girder skewed highway bridges) PhD in Civil Engineering, University of Porto, Portugal, November 6, 2015</li> </ol>
<b>May 2015</b>	<p><b>Chairman</b>  2<sup>nd</sup> Second International Workshop on Seismic Performance of Non-Structural Elements (SPONSE), Pavia, Italy  <i>Design and Implementation Considerations II</i></p>
<b>February 2015</b>	<p><b>Scientific/Organizing Committee Member</b>  OECD Nuclear Energy Agency Committee on the Safety of Nuclear Installations (CSNI) Workshop on “Testing PSHA Results and Benefit of Bayesian Techniques for Seismic Hazard Assessment”, EUCENTRE, IUSS Pavia, Italy</p>
<b>September 2014</b>	<p><b>Scientific Committee Member and Invited Speaker</b>  <i>Contributions to seismic assessment of populations of bridges</i>  Workshop “Field testing and seismic vulnerability assessment”, Austrian Institute of Technology, Vienna, Austria</p>
<b>August 2014</b>	<p><b>Chairman</b>  2<sup>nd</sup> European Conference on Earthquake Engineering and Seismology, Istanbul, Turkey  <i>Assessment and Design of Bridges</i></p>
<b>May 2014 - Present</b>	<p><b>Rector</b>  International College for Civil Protection “Cardinale Agostino Riboldi”, Pavia, Italy (appointed by the Eucentre Foundation)</p>
<b>May 2013</b>	<p><b>Chairman</b>  <i>The 13<sup>th</sup> International ROSE Seminar and The 1<sup>st</sup> International UME School Seminar</i>, Pavia, Italy</p>

<b>September 2012</b>	<p><b>Chairman</b> 15<sup>th</sup> World Conference on Earthquake Engineering, Lisbon, Portugal</p> <ul style="list-style-type: none"> <li>• <i>Assessment and Retrofitting of Existing Structures (Reinforced concrete structures and Isolation and anti-seismic devices)</i></li> <li>• <i>Preparedness and Emergency Management of Large Earthquakes</i></li> </ul>
<b>October 2010 – August 2014</b>	<p><b>Collaborator</b> Seismosoft Ltd – Earthquake Engineering Software Solutions</p> <p><b>Main Tasks:</b> User Support, Licensing and Sales Management, Marketing and Outreach</p>

## 10. PUBLICATIONS

### BIBLIOMETRIC INDICATORS

NUMBER OF JOURNAL ARTICLES:	48
NUMBER OF CITATIONS:	614 (Scopus)    814 (Google Scholar)
H-INDEX:	16

### Journal Articles

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19. Torres, A., Araújo, M., Monteiro, R., Delgado, R. (2010) Avaliação da Segurança Sísmica de Pontes Usando Análises Pushover. *Proceedings of the Sísmica 2010 – 8<sup>o</sup> Congresso Nacional de Sismologia e Engenharia Sísmica*, Aveiro, Portugal, 20-23 October, Paper No. 128. (in Portuguese)
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**[2009]**

15. Delgado, P., Monteiro, R., Marques, M., Delgado, R., Costa, A. (2009) Análise probabilística da vulnerabilidade sísmica de um viaduto irregular. *Proceedings of the ASCP09 – 1<sup>o</sup> Congresso Nacional de Segurança e Conservação de Pontes*, Lisbon, Portugal, 1-3 July. (in Portuguese)
14. Monteiro, R., Delgado, R., Pinho, R., Casarotti, C. (2009) Avaliação do comportamento sísmico de pontes por análise estática não linear. *Proceedings of the ASCP09 - 1<sup>o</sup> Congresso Nacional de Segurança e Conservação de Pontes*, Lisbon, Portugal, 1-3 July. (in Portuguese)
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12. Pinho, R., Monteiro, R., Casarotti, C., Delgado, R. (2008) Verification of Nonlinear Static Procedures (NSP) for the Assessment of Bridges. *3DPushover 2008 - Nonlinear Static Methods for Design/Assessment of 3D Structures*, IST Press, Lisbon, Portugal.
11. Monteiro, R., Casarotti, C., Pinho, R. (2008) Using Nonlinear Static Procedures for seismic assessment of irregular viaducts. *Proceedings of the Fifth European Workshop on the seismic behaviour of Irregular and Complex Structures*, Catania, Italy, 323-334, Paper no. 22.
10. Pinho, R., Marques, M., Monteiro, R., Casarotti, C. (2008) Using the Adaptive Capacity Spectrum Method for the assessment of irregular frames. *Proceedings of the Fifth European Workshop on the seismic behaviour of Irregular and Complex Structures*, Catania, Italy, 271-281, Paper no. 21.

9. Monteiro, R., Ribeiro, R., Marques, M., Delgado, R., Costa, A. (2008) Pushover Analysis of RC Bridges Using Fiber Models or Plastic Hinges. *Proceedings of the 14<sup>th</sup> World Conference on Earthquake Engineering*, Beijing, China, Paper no. 05-02-0146.
8. Marques, M., Coutinho, D., Monteiro, R., Delgado, R., Costa, A. (2008) Pushover Analysis of RC Buildings with Different Nonlinear Models. *Proceedings of the 14<sup>th</sup> World Conference on Earthquake Engineering*, Paper no. 05-03-0221.
7. Ribeiro, R., Monteiro, R., Delgado, R. (2008) Modelo com Não Linearidade Concentrada ou Distribuída em Análise Pushover de Pontes. *Proceedings of the BE2008 – Encontro Nacional de Betão Estrutural*, Guimarães, Portugal, 5-7 November. (in Portuguese)

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6. Pinho, R., Casarotti, C., Monteiro, R. (2007) An Adaptive Capacity Spectrum Method and other Nonlinear Static Procedures Applied to the Seismic Assessment of Bridges. *Proceedings of the 1st US-Italy Seismic Bridge Workshop*, Pavia, Italy, 19-20 April.

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5. Delgado, R., Marques, M., Monteiro, R., Delgado, P., Romão, X., Costa, A. (2006) Setting Up Real or Artificial Earthquake Records for Dynamic Analysis. *Proceedings of the 1<sup>st</sup> European Conference on Earthquake Engineering and Seismology*, 7, 4840-4849, Paper no. 899.
4. Delgado, P., Marques, M., Monteiro, R., Delgado, R., Costa, A. (2006) Two Ways of Assessing the Seismic Vulnerability of Bridges. *Proceedings of the 1<sup>st</sup> European Conference on Earthquake Engineering and Seismology*, 7, 4868-4877, Paper no. 903.
3. Delgado, P., Monteiro, R., Marques, M., Costa, A., Delgado, R. (2006) Probabilistic Seismic Safety Assessment of Bridges – Application to a Real Case. *Proceedings of the 1<sup>st</sup> European Conference on Earthquake Engineering and Seismology*, 9, 6244-6253, Paper no. 1144.
2. Delgado, P., Marques, M., Monteiro, R., Delgado, R., Costa, A. (2006) Avaliação Expedida da Segurança Sísmica de Pontes. *Proceedings of the 4<sup>as</sup> Jornadas Portuguesas de Engenharia de Estruturas*, Lisbon, Portugal, 13-16 December. (in Portuguese)
1. Delgado, P., Monteiro, R., Marques, M., Costa, A., Delgado, R. (2006) Avaliação Probabilística da Segurança Sísmica de Pontes. Aplicação a um Caso Prático. *Proceedings of the 4<sup>as</sup> Jornadas Portuguesas de Engenharia de Estruturas*, Lisbon, Portugal, 13-16 December. (in Portuguese)

## 10. LANGUAGES

- Portuguese: Mother tongue
- English: *First Certificate in English (Grade A)*, Cambridge University, June 2006
- Italian: Fluent

## 11. PRIZES

- **2020 – Outstanding Paper Award**  
International Association for Bridge and Structural Engineering (IABSE)  
Scientific Paper: “Once upon a Time in Italy: The Tale of the Morandi Bridge”
- **2019 – Blind Prediction Competition**  
QuakeCoRE – New Zealand Centre for Earthquake Resilience  
Winner

- **2018 - Best Paper Award**  
Springer Nature - Best Paper (Track 5) entitled “Preliminary Seismic Hazard Modelling in Northern Algeria” presented at the 1<sup>st</sup> Conference of the Arabian Journal of Geosciences (CAJG)  
Hammamet, Tunisia, 12–15 November 2018
- **2014 - Visiting Research Scholar Scholarship**  
European Commission (Erasmus Mundus)  
Middle East Technical University, Ankara, Turkey, September-October 2014
- **2013 - SC@UM - Strengthening CFRP Challenge**  
University of Minho, Portugal, June 28, 2013  
Ranked 2<sup>nd</sup>.
- **2006 - Visiting Young Researcher Scholarship**  
Short-listed within the 40 participants of the training Course on "Seismic Hazard and Risk Assessment", ETH-Zurich (September 11-14, 2006) following the 1<sup>st</sup> European Conference in Earthquake Engineering and Seismology
- **2005 - Prize Mota-Engil**  
Mota-Engil, SGPS, S.A.  
Top student, Civil Engineering Degree, at Faculty of Engineering of University of Porto, academic year 2004/2005
- **2005 - Prize Engenheiro António de Almeida**  
Foundation Engenheiro António de Almeida  
Top student, Civil Engineering Degree, at Faculty of Engineering of University of Porto, academic year 2004/2005
- **2005 - Best Final Project (“Building Structures”)** in the Civil Engineering Degree at University of Porto, academic year 2004/2005
- **2000 - Prize Maia Rotary Club**  
Maia Rotary Club  
Top student, High School of Maia, academic year 1999/2000
- **2000 - Honoric Mention – V OIBF (Iberoamerican Physics Olympiad)**  
September 2000, Jaca, Spain