

## Curriculum Vitae - Edoardo M. Marino (September 2022)

**Full name:** Edoardo Michele Marino  
**Position:** Associate Professor of Structural Design  
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### Education

10/1996 Master Degree in Civil Engineering, University of Catania.  
04/2001 Ph.D. in Structural Engineering, University of Catania.

### Fellowships, Licences and Qualifications

02/1997 Licensed as profession engineer.  
10/1997 Ph.D. Fellowship, three years, Ph.D. program in “Structural Engineering”, University of Catania.  
08/2001 PostDoc Fellowship, two years, University of Catania.  
10/2003 PostDoc Fellowship, one year, JSPS, DPRI, Kyoto University, Japan.  
09/2018 Italian Professorship Qualification for the role of Full Professor.

### Work experiences

08/2001 – 08/2003 Post-doctorate Research Fellow, Department of Civil and Environmental Engineering, University of Catania, Italy.  
10/2003 – 10/2004 Guest Research Associate, Disaster Prevention Research Institute, Kyoto University, Japan.  
10/2004 – 09/2007 Adjunct Professor, Faculty of Engineering and Faculty of Architecture, University of Catania, Italy.  
10/2007 – 01/2018 Assistant Professor, University of Catania, Italy.  
06/2016 – 08/2016 Visiting Professor, Disaster Prevention Research Institute, Kyoto University, Japan.  
02/2018 – present Associate Professor, University of Catania, Italy.  
05/2018 – 05/2018 Visiting Professor, Department of Civil Engineering, Tsinghua University, China.

### Research interests

Analysis of the seismic behaviour and design criteria for steel frames (moment resisting frames, concentrically braced frames, eccentrically braced frames and frames with buckling restrained braces), nonlinear static methods for seismic assessment, seismic upgrading of existing buildings, performance based design, and seismic codes.

### Supervision of students at University of Catania

1. Member of the board of professors of the Ph.D. courses from 2009 to present
2. Supervisor of four Ph.D. students.
3. Supervisor or co-supervisors of more than 70 Master Theses.

### Invited lectures (selected)

1. “Introducing BRB technology into the European practice of steel braced frames”, DPRI, Kyoto University, Kyoto, Japan, 16 May 2015.
2. “Achieving a more effective concentric braced frame by the double-stage yield BRB”, Tsinghua University, Beijing, China, 19 May 2018.

### Reviewer for Scientific Journals (selected)

- *Bulletin of Earthquake Engineering*, Springer.
- *Earthquake Engineering & Structural Dynamics*, John Wiley & sons, Ltd.
- *Engineering Structures*, Elsevier Science Ltd.
- *Journal of Structural Engineering (ASCE)*
- *Structural Design of Tall and Special Buildings*, John Wiley & sons, Ltd

### Journal papers (selected)

1. M. Bosco, A. Ghersi, E.M. Marino: On the Evaluation of Seismic Response of Structures by Nonlinear Static Methods. *Earthquake Engineering & Structural Dynamics*, John Wiley & sons, Ltd., ISSN: 0098-8847, Vol. 38/13 (2009), pp. 1465-1482: DOI: 10.1002/eqe.911.
2. M. Bosco, A. Ghersi, E.M. Marino: Corrective eccentricities for assessment by the nonlinear static method of 3D structures subjected to bidirectional ground motions. *Earthquake Engineering & Structural Dynamics*, John Wiley & sons, Ltd., ISSN: 0098-8847, Vol. 41/13 (2012), pp. 1751-1773: DOI: 10.1002/eqe.2155.
3. M. Bosco, E.M. Marino: Design method and behavior factor for steel frames with buckling restrained braces. *Earthquake Engineering & Structural Dynamics*, John Wiley & sons, Ltd., ISSN: 0098-8847, Vol. 42 (2013), pp. 1243-1263: DOI: 10.1002/eqe.2269.
4. E.M. Marino. A unified approach for the design of high ductility steel frames with concentric braces in the framework of Eurocode 8. *Earthquake Engineering and Structural Dynamics*, John Wiley & sons Ltd., ISSN: 0098-8847, Vol. 43 (2014), pp. 97-118: DOI: 10.1002/eqe.2334.
5. M. Bosco, E.M. Marino, P.P. Rossi: Modelling of steel link beams of short, intermediate or long length. *Engineering Structures*, Elsevier Science Ltd., ISSN: 0141-0296, Vol. 84 (2015), pp. 406-418: DOI: 10.1016/j.engstruct.2014.12.003.
6. F. Barbagallo, M. Bosco, E.M. Marino, P.P. Rossi, P.R. Stramondo: A multi-performance design method for seismic upgrading of existing RC frames by BRBs. *Earthquake Engineering and Structural Dynamics*, John Wiley & sons, Ltd., ISSN: 0098-8847, Vol. 46 (2017), pp. 1099-1119: DOI: 10.1002/eqe.2846.
7. F. Barbagallo, M. Bosco, E.M. Marino, P.P. Rossi: Seismic retrofitting of braced frame buildings by RC rocking walls and viscous dampers. *Earthquake Engineering and Structural Dynamics*, John Wiley & sons, Ltd., ISSN: 0098-8847, Vol. 47 (2018), pp 2682-2707: DOI: 10.1002/eqe.3105.
8. H. Wang, E.M. Marino, P. Pan: Design, testing and finite element analysis of an improved precast prestressed beam-to-column joint. *Engineering Structures*, Elsevier Science Ltd. ISSN: 0141-0296, Vol. 199 (2019), paper n. 109661: DOI: 10.1016/j.engstruct.2019.109661.
9. F. Barbagallo, M. Bosco, E.M. Marino, P.P. Rossi: On the fibre modelling of beams in RC framed buildings with rigid diaphragm. *Bulletin of Earthquake Engineering*, Springer, Ltd., ISSN: 1570-761X, Vol. 18 (2020), pp 189-210: DOI: 10.1007/s10518-019-00723-z.
10. F. Barbagallo, M. Bosco, A. Ghersi, E.M. Marino: An over-damped multimodal adaptive nonlinear static analysis for seismic assessment of infilled RC buildings. *Engineering Structures*, Elsevier Science Ltd. ISSN: 0141-0296, Vol. 229 (2021), paper n. 111622: DOI: 10.1016/j.engstruct.2020.111622.

Total number of journal papers: 55.

Total number of publications: 165.

Edoardo Michele Marino