

CURRICULUM VITAE (SHORT) – Prof. Angelo MASI

EDUCATION

- Degree in Civil Engineering, summa cum laude, at the University of Naples “Federico II”.

PRESENT AND PREVIOUS POSTS

- **Full Professor of Structural Engineering** at the School of Engineering of the University of Basilicata from 2015 (qualified from 2013) where he currently gives the course of Structural Engineering (from 1998).

He has been giving also the course of Seismic Risk from 2003.

- Associate Professor of Structural Engineering at the Faculty of Engineering of the University of Basilicata from 2001 to 2015.
- Associate Professor of Structural Engineering at the Faculty of Architecture of the University of Chieti-Pescara from 1998 to 2001.
- Assistant Professor of Structural Engineering at the Faculty of Engineering of the University of Basilicata from 1994 to 1998.
- Technical Responsible of the Laboratory of Testing Materials and Structures of the University of Basilicata from 1991 to 1994.

MAIN FUNCTIONS, CURRENT ACTIVITIES

- **Member of the Executive Board of the ReLUIIS Consortium (University Network of the Seismic Engineering Laboratories, www.reluis.it).**
- **Appointed Expert by the European Committee of the Regions in the preparation of the opinion “A European policy on the seismic requalification of buildings and infrastructure”.**
- Member of the Managing Board of the National Communication Campaign "Io Non Rischio - I don't take risks" (2016 edition in about 700 Italian towns, www.iononrischio.it).
- Member of the RILEM Technical Committee 249-ISC “In situ Strength assessment of Concrete”.
- Member of the Executive Board of the TeRN Consortium (Technologies for Earth Observation and Natural Risks, www.tern.it).
- Deputy President of the Research Committee of the School of Engineering at the University of Basilicata.

- Scientific Responsible or Collaborator of national and international Research Projects.
- Scientific Responsible of several Research Contracts with national and local Public Institutions.
- Member of the Organising/Scientific Committee or Chairman in national and international conferences on Seismic Risk and Structural Engineering (13th World Conference on Earthquake Engineering, 2004; 2nd fib Conference, 2006; 35rd ESC General Assembly, 2016; ANIDIS, AIPND, GNGTS Conferences, etc.).
- Member of the Editorial Board of the journals:
 - *Earthquake and Structures* (Techno Press, ISSN 2092-7614) from 2016;
 - *The Open Construction & Building Technology Journal* (Bentham Open, ISSN 1874-8368) from 2017;
 - *Progettazione Sismica* (IUSS Press, ISSN 1973-7432) from 2008;
 - *Structural* (DeLettera Ed., ISSN 2282-3794) from 2012.
- **Guest Editor of the Special Issue “2016 Central Italy Earthquakes” of the International Journal Bulletin of Earthquake Engineering.**
- Guest Editor of the Special Issue “Emergency management, outreach and communication activities in earthquakes” of the journal *Bollettino di Geofisica Teorica e Applicata* (Int. Journal of Earth Sciences).
- Reviewer of the leading journals in Structural and Earthquake Engineering, among which: *Earthquake Engineering and Structural Dynamics*, *Journal of Structural Engineering*, *Bulletin of Earthquake Engineering*, *Engineering Structures* (outstanding reviewer in 2014), *Earthquakes and Structures*, *Soil Dynamics and Earthquake Engineering*, *Earthquake Spectra*, *Journal of Earthquake Engineering*, *Natural Hazards*, *Materials and Structures*, *Construction and Building Materials*.
- National Coordinator of the Research Line “Divuligation and Education” (6 RUs involved) of the 2017 ReLUIIS Project funded by the Italian Department of Civil Protection (DPC). In the framework of the same Project, Scientific Responsible of the Research Unit (RU) of the University of Basilicata and of the Work Package “WP3 - Seismic Retrofitting and Upgrading of Buildings” (11 RUs involved) for the Research Line “Reinforced Concrete Structures”.
- Scientific Responsible of the RU of the University of Basilicata in the national research project "Seismic Evaluation of Italian National Museums" funded by the Italian Ministry of Cultural Heritage and Tourism.

MAIN RESEARCH ACTIVITIES

- Research activity is mainly related to Earthquake Engineering problems, resulting in over 200 papers on the leading international and national journals and in conference proceedings (SCOPUS: H-index 16, cits. ~615; Google Scholar: H-index 21, cits. ~1540).
- His papers mainly deal with:
 - seismic vulnerability of structures and lifelines, such as masonry and Reinforced Concrete (RC) buildings and buried pipelines;
 - structural analysis, design and assessment of building structures through linear and non linear methods;
 - seismic protection of constructions by means of advanced materials, devices and techniques (passive control);
 - experimental evaluation of mechanical properties and seismic behaviour of materials, structural elements and whole structures;
 - preparation of seismic scenarios and risk analysis for estimation of human and social losses.
 - development of seismic risk mitigation strategies for public buildings (e.g. hospitals, schools).

MISCELLANEOUS (past activities, awards, participation in international bodies, ...)

- He took part to the preparation activities of Eurocode 8 - Part 3: Assessment and Retrofitting of Buildings, and of previous Italian Seismic Code (OPCM 3274/2003) as invited expert.
- **Delegate of the Italian Minister for Reform and Innovation in Public Administration in the National Committee for the Technical Rules on Territorial Data (2007-2010).**
- He had some study and collaborative research experiences with research centres outside Italy (Laboratorio Nacional de Engenharia Civil, Nov. 1992; Politech Lyon, Sept. 1995; Imperial College, Oct. 1995; Geo Forschungs Zentrum (GFZ), Feb. 2007).
- As regards his main scientific activities, he was:
 - Scientific Responsible of an extensive Research Program named "Seismic Vulnerability of R/C buildings" funded by the Italian Seismic Agency (1999-2003);
 - Scientific Responsible of the RU of the University of Basilicata within the Research Program PRIN 2002 "Design of bridges protected by strongly non linear seismic isolation system"(2003-2004);

- Scientific Responsible of the Tasks “Non Destructive Testing” and “RC Beam-Column Joints” of the 2005-2008 ReLUIS-DPC Project, Research Line 2 “Assessment and Reduction of Seismic Vulnerability of RC buildings”;
- National Coordinator of the Research Line 3.2 “Services for Emergency Management and Rapid Response” of the 2010-2013 DPC-ReLUIS Project. In the framework of the same Project, Scientific Responsible of the RU of the University of Basilicata for the Task “New aspects in the assessment of existing buildings and strengthening techniques, evaluation of the seismic risk of the built heritage at regional scale”.
- National Coordinator of the Research Lines “Divulcation and Education” and "Seismic Safety of Hospital Buildings” of the 2014-2016 ReLUIS Project funded by the Italian Department of Civil Protection (DPC). In the framework of the same Project, Scientific Responsible of the Research Unit (RU) of the University of Basilicata and of the Work Package “Methods and techniques for the seismic retrofitting of RC structures” (6 RUs involved) for the Research Line “Reinforced Concrete Structures”.
- Scientific Responsible of several Research Contracts with National and local Public Institutions.