

SHORT RESUME

Gaetano Manfredi

Academic career

- Civil Engineering MSc Degree cum laude in 1988 at University of Naples Federico II.
- Structural Analysis PhD (5th cycle) in 1993.
- Post-doc grant in 1994.
- Assistant professor of Structural Design from 1995 to 1998.
- Associate professor of Structural Design from 1998 to 2000.
- Full professor of Structural Design at University of Naples Federico II from 2000.

Institutional activity

- Advisor of the Italian Minister for Reforms and Innovation in Public Administration from 2006 to 2008.
- Vice-chairman of the Planning committee "Improvement of Campanian Universities" (L.R. 13/2004) from 2006.
- Chancellor delegate to Management Balance and Control, University of Naples Federico II from 2006.
- Member of the Planning committee, Policlinic Health Enterprise Federico II from 2004 to 2008.
- Member of the Engineering Faculty Head Council, University of Naples Federico II from 2005.
- Chairman of National Interuniversity Consortium ReLUIS (University Network of Seismic Engineering Laboratories) supervised by the Department of Civil Protection, from 2007.
- Member of the Directors Board of IMAST (Research District on Polymeric Materials and Composites) from 2004.
- Member of the Executive Committee of AMRA (Center of Competence in the field of Analysis and Monitoring of Environmental Risk) from 2005.
- Vice-chairman of the Research Consortium TRE (Technologies for Buildings Recovery) from 2004.
- Member of the Directors Board of COTEC (Foundation for Technological Innovation) from 2006 to 2008.
- Member of the Technical and Scientific Committee of FORMEZ (Center for Public Administration Education and Studies) from 2007.
- Head of Engineering Structures Department, University of Naples Federico II from 2003 to 2012.
- Vice-Chancellor, University of Naples Federico II from 2010.

Scientific activity

- He develops several theoretical and experimental researches mainly in the following fields: nonlinear behaviour of concrete structures, nonlinear behaviour of composite steel-concrete structures, seismic behaviour of masonry, polymeric and composite structures, seismic risk of industrial plants, advanced monitoring systems, vulnerability and rehabilitation of cultural heritage, technological innovation in structural engineering.
- Coordinator and Director of many scientific projects financed by: European Community, Italian Ministry of University and Research, Italian Ministry of Industry, National Council of Research, National Institute of Geophysics and Volcanology, and many National and International Enterprises and Research Centres, for a total amount of over 50 million euros.
- Author of more than 500 scientific papers published on international and national journals, congress proceedings and commissions.
- Member of: EERI (Earthquake Engineering Research Institute), FIB (Federation Internationale du Beton), ASCE (American Society of Civil Engineering), ACI (American Concrete Institute), ISO (International Standard Organization).
- Member of ASCE Journal of Composites for Construction Editorial Board.

- Editorial Reviewer for many international journals, such as: Journal of Earthquake Engineering, Computer and Structures, Structural Engineering and Mechanics, Earthquake Spectra, Earthquake Engineering and Structural Dynamics, Engineering Structures.
- Expert of the Italian Ministry of University and Research for supporting the scientific research (D.L. 297/99).

Standardizing activity

- CEN (European Committee for Standardization) expert member of Working Group 4 “Pre-standard of EC8 for Composite Structures”.
- Member of FIB (Federation Internationale du Beton) WG 7.1 “Seismic Commission – Assessment of Existing Structures”, WG 7.2 “Seismic Commission – Displacement Based Design” and WG 9.3 “FRP Reinforcement”.
- ISO (International Standard Organization) member of ISO/TC 71 /SC 6 “Non-traditional Reinforcing Material Materials for Concrete Structures”.
- RILEM (International Union of Laboratories and Experts in Construction Materials, Systems and Structures) member of TC Masonry Strengthening with Composite Materials (MSC).
- Member of UNI (Italian Body for Unification) Cultural Heritage Commission - Normal Struttore.
- Member of Department of Civil Protection Committee revising the Presidency of the Council of Ministers Order, 20th March 2003, nr. 3274 “First elements in the field of general criteria for the nationwide seismic classification and technical regulations for buildings in seismic zone”.
- Member of the CNR Commission drafting “Guidelines for the Use of composite materials with structural purposes” (CNR-DT 200/2004, CNR-DT201/2005, CNR-DT202/2005, CNR-DT203/2006)
- Member of the work group between Department of Civil Protection and Department of Cultural Heritage and Landscape (General Directorate for the Architectural Heritage and Landscape of the Ministry of Cultural Heritage), pursuant to the interdepartmental Decree 23rd May 2005, aiming to draw up the Guidelines for application to the cultural heritage of technical legislation according to the Presidency of the Council of Ministers Order, 20th March 2003, nr. 3274.
- Member of the Superior Council of Public Works task group drawing the Buildings Technical Rules - D.M. 14/01/2008 – and attached circular regarding on existing buildings.
- Member of the Superior Council of Public Works task group drawing the standards for design, implementation and testing of reinforcement interventions on concrete, reinforced concrete and masonry structures through FRP.