

PERSONAL INFORMATION

Family name, First name: VERDERAME, GERARDO MARIO
Researcher unique identifier: <https://orcid.org/0000-0002-8952-6169>
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https://www.researchgate.net/profile/Gerardo_Verderame

KEY EXPERTISE

Gerardo M. Verderame's research is mainly focused on theoretical and experimental work in the fields of: Non-linear modelling of Reinforced Concrete (RC) members (column, beam-column joints) and structures; Seismic response assessment of RC, masonry, and combined structures; Pseudo-static, pseudo-dynamic and dynamic tests on full scale structural members; Seismic vulnerability assessment of RC structures, namely: post-earthquake damage assessment/analysis, development of empirical/analytical seismic fragility curves of existing RC structures; Experimental assessment and non-linear modelling of non-structural elements (infill walls); Reparability and strengthening of existing RC members/structures and of infill walls; Expected seismic losses assessment.

BIBLIOMETRIC INFORMATION

Total number of documents:	115 (Web of Science) -	158 (Scopus);
H- index:	37 (Web of Science) -	40 (Scopus);
Total number of citations:	3103 (Web of Science) -	3866 (Scopus);

EDUCATION

1996 - Master Degree in Civil Engineering, cum laude, Faculty of Engineering, University of Naples Federico II
2000 - PhD in Seismic Risk, Department of Structures for Engineering and Architecture (DIST) University of Naples Federico II

CURRENT POSITION(S)

2014 - Associate Professor of Structural Engineering, (DIST) University of Naples Federico II

TEACHING ACTIVITIES

Appointed Teacher (University of Naples Federico II):

- Rehabilitation of Existing RC structures, Master Degree course in Structural and Geotechnical Engineering, University of Naples Federico II;
- Structural Engineering, Bachelor Degree course in Land and Environmental Engineering, University of Naples Federico II;
- RC Constructions, Bachelor Degree course in Digital Technologies for Constructions, University of Naples Federico II;

SUPERVISION/CO-SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 10 PhD Students (2008-2022)
- 7 Post-doc fellows (2011-present)
- 150 Master Students

INSTITUTIONAL RESPONSIBILITIES

2006 - 2014: Delegate of Assistant Professors at Faculty Council, University of Naples Federico II
2010 - 2012: Member of the Board of the PhD program in Seismic Risk, University of Naples Federico II
2013 - present: Member of the Board of the PhD program in Structural and Geotechnical Engineering and Seismic Risk, University of Naples Federico II
2018 - 2021: Delegate of Associate Professors at School Council, University of Naples Federico II
2018 - present: Head of the Joint Teachers-Students Commission of the Department of Structures for Engineering and Architecture (DIST), University of Naples Federico II

FUNDED RESEARCH PROJECTS

Scientific responsibility of:

SIMURAI (2007-2011): Integrated tools for territorial Multi Risk Assessment in anthropized built environment
DPC/ReLUIS (2005-2008): Monitoring and early warning of strategic structures and infrastructures
STRIT (2012-2015): Tools and technologies for risk management of transport infrastructures
DPC/ReLUIS (2014-2018): WP6 Seismic capacity of infill walls and strengthening interventions
METROPOLIS (2013-2017): Methodologies and integrated and sustainable technologies for the adaptation and safety of urban systems
PIANNER (2018-2021): Piattaforma per la Gestione dei Rischi Naturali in Ambienti Urbanizzati

OTHER INFORMATION

He is reviewer for international scientific journals: Bulletin of Earthquake Engineering, Engineering Structures, The Structural Design of Tall and Special Building, Earthquake Engineering and Structural Dynamics, Journal of Structural Engineering (ASCE), Journal of Earthquake Engineering, Construction and Building Materials.

After earthquake events, he attended in situ activities for the assessment of damage and practicability of earthquake-struck buildings: Umbria-Marche 1997, L'Aquila 2009, Emilia 2012, Central Italy 2016.