

Giuseppe Faella

*Full Professor of Structural Engineering
University of Campania "Luigi Vanvitelli" - Italy*

- M.Sc. in Civil Engineering at the University of Naples Federico II.
- Ph.D. on Structural Engineering.
- Full Professor of Structural Engineering at the *University of Campania "Luigi Vanvitelli"*, professor of "*Structural Design*" and "*Materials and Structures for the Design*" (SSD ICAR/09)
- Lecturer at the University of Naples Federico II, at the University of Suor Orsola Benincasa of Naples, at the University of Perugia.
- Lecturer of "*Retrofit and Strengthening of Masonry Structures*" in the Master "Seismic Strengthening and Retrofit of Historical and Monumental Buildings" at the University of Ferrara and Perugia.
- Lecturer of "*In situ Tests on Structures*" in the Master "Land Representation and Building Management" at the Second University of Naples
- "Invited Researcher" at the University of New York at Buffalo (USA).
- "Invited Researcher" at the University of Ljubljana (Slovenia).
- Lecturer of "*Structural Safety of Buildings*" at the Summer School in "*Built Environment: Representation, Protection and Safety*" organized at the "Togliatti State University" in Togliatti (Russia).
- Lecturer of "*New materials for seismic safety and preservation of cultural heritage*" at the "*International Seminar – Course Syllabus*" jointly held every year with the "Edward J. Bloustein School of Planning and Public Policy - Rutgers", of the State University of New Jersey (USA).
- Scientific Coordinator of the "Seismic and Structures" Section of the Inter-University Research Center BENECON, University Consortium among University of Campania, Pegaso University, University of Naples Federico II, Sannio University and University of Salerno.
- Member of the Working Group TG8 (Seismic Behaviour of Irregular and Complex Structures) of the European Earthquake Engineering Association.
- Member of the Structural Engineering Expert Team of the Experts of the Italian National Group for Natural Hazards Prevention (CNR-GNDCI).
- Member of the Executive Board of the "Centro Studi Sisto Mastrodicasa" (Centre for Consolidation and Restoration of Structural, Building and Monumental Heritage) in Perugia
- Dean Assistant from 2005 to 2015 of the Faculty of Architecture (currently Department of Architecture and Industrial Design) of the Second University of Naples.
- Rector's Delegate for the Safety of the University of Campania "Luigi Vanvitelli"
- University Delegate for Laboratories and Research Infrastructures of the University of Campania "Luigi Vanvitelli"

- Associated with the Multidisciplinary Center for Earthquake Engineering Research (MCEER) in Buffalo.
- Member of the Academic Board of the PhD in *"Architecture, Industrial Design and Cultural Heritage"* at the University of Campania "Luigi Vanvitelli".
- Reviewer of several International Scientific Journals.
- Principal investigator of 24 research projects funded by the National Research Council of Italy (CNR) or Italian Ministry of University and Research (MIUR).
- Scientific Research Agreement Manager of several research agreements stipulated with Public Administrations or Industries
- Designer of the equipment for tests on structural systems of the "Environment Representation Structures" ARS Laboratory of the BENECON Inter-University Research Center.
- Lecturer in numerous refresher or training courses on seismic engineering, reinforced concrete structures, masonry constructions and their structural rehabilitation.
- Author of more than 250 papers on the seismic behaviour of irregular structures, the seismic analysis and damage of structures, the seismic response of r/c and steel structures under bidirectional seismic input, the base isolation systems, the elastomeric device modelling, the numerical and experimental behaviour of masonry, the seismic safety of furniture objects, the retrofit of masonry buildings, innovative materials for strengthening and retrofit of structures.
- Scientific research agreement manager, together with Prof. Antonio Borri of the University of Perugia, of the research agreement *"Instrumental investigations on the statue of Michelangelo's David at the Academy of Fine Arts in Florence and the relative processing and interpretation of the acquired data"*.
- Scientific research agreement manager, together with Prof. Maffei and Prof. Frunzio, of the research agreement stipulated with the Department of Public Works of the Province of Avellino for the *"Structural safety of four public buildings owned by the Provincial Administration of Avellino"*.
- Scientific research agreement manager, together with prof. Frunzio, of the research agreement stipulated with the Municipal Administration of Bibbiano (RE) for the *"Structural safety of 'De Amicis' School in Fossa di Bibbiano (RE)"*.
- Scientific research agreement manager, together with prof. Frunzio, of the technical advice on *"Seismic strengthening of the Police Station in Ariano Irpino – loc. Calvario"*.
- Scientific research agreement manager of the research agreement stipulated with the Company Fergos S.r.l. for *"The execution of site and laboratory investigations on the structures of the buildings B, D and E of the AtiCarta Industrial Complex in Pompeii (NA)"*.
- Scientific research agreement manager of the research agreement stipulated with the company Thorax Antiseismic for *"Theoretical-experimental research activities on the innovative stirrup system for reinforced concrete structures developed by Thorax Antiseismic"*.
- Scientific research agreement manager of the research agreement stipulated with the Municipal Administration of Centola (SA) concerning *"In situ tests on the*

structures of the Church of S. Nicola di Mira in Centola (SA) to support the drafting of the consolidation and static restoration project".

- Scientific research agreement manager of the research agreement stipulated with the Municipal Administration of Trentola Ducenta (CE) concerning "*Instrumental investigations on the structures of the schools of Trentola Ducenta (CE) and indications for the safety assessment - Drafting of Guidelines*".
- Scientific research agreement manager of the research agreement stipulated with the company Sviluppo Silicalcite of Caiazzo (CE) concerning "*Analysis and laboratory tests on elements in glass fibre reinforced concrete*".
- Scientific research agreement manager for "Acceptance tests on elastomeric isolation devices" carried out within the framework of agreements stipulated with the company AGOM International S.r.l. of Milan.
- Scientific research agreement manager of the research agreement stipulated with the Administration of the Province of Caserta for "*Activities of technical and scientific support to the UTP in the evaluation of the seismic vulnerability of the school buildings owned by the Province of Caserta*".
- Scientific research agreement manager, together with prof. Gambardella, of the research agreement stipulated with the Superintendence for Architectural, Landscape, Historical, Artistic and Ethno-anthropological Heritage for the Provinces of Caserta and Benevento concerning "*Non-destructive investigations on the facades of the Royal Palace of Caserta*".
- Scientific research agreement manager, together with prof. Guerriero, of the of the research agreement stipulated with the Regional Office for the Cultural and Landscape Heritage of Sardinia concerning "*Surveys, static and structural investigations and technical-scientific support for the "Restoring and retrofitting of the structures of King Barbaro Palace in the archaeological area of Porto Torres, Sardinia"*".
- Scientific research agreement manager, together with prof. Frunzio within the group awarded the international selection and coordinated by prof. C. Alessandri of the University of Ferrara, concerning the "*International Bid of the Survey, Assessment Study and Conservation Plan for the Church of the Nativity, Bethlehem, Palestine*".
- Scientific advisor for the structural aspects of the "*Strategic Heritage Plan - SHP - Provision of civil and structural engineering services*", related to the seismic safety of the Geneva headquarters of the United Nations (UN).
- Responsible and Scientific Coordinator for the Structural Issues of the technical advice of BENECON Scarl concerning the "*B.I.M. Building Information Modelling e Structural Analysis for the Heritage Conservation*".
- Scientific advisor of Italian Ministry of Cultural Heritage and Activities and Tourism - Regional Secretariat for Cultural and Landscape Heritage of Campania for the "*Structural retrofitting and Restoration of the Monumental Bell Tower of the Basilica of the Carmine Maggiore in Naples*".
- Scientific advisor for the "*Structural analyses aimed at assessing the static and seismic safety of the Villa dei Misteri in the Archaeological Area of Pompeii*".
- Scientific Advisor for the "*Structural seismic analyses of the Building 3 located inside the Small and Medium Enterprises Area of the TecnoPolo Tiburtino in Giacomo Peroni street in Rome*".

- Scientific advisor for the "*Structural investigation, in situ tests, seismic analysis and strengthening of the Diocese of Caserta*"
- Scientific advisor for the structural and seismic features concerning the "*Construction of a steel hangar for Tecnam P2006 SMP airplanes*", at the military airport of Naples Capodichino.
- Scientific Advisor for the "*Structural investigation, monitoring, in situ tests, seismic analysis and strengthening of the Cloister and the San Lorenzo at Septimum Abbey*" in Aversa, seat of the Department of Architecture and Industrial Design of the University of Campania "Luigi Vanvitelli"
- Scientific Advisor of Benecon S.C.aR.l. in the "*Study of two structures with complex seismic behavior: the Church of San Salvatore in Piedimonte Matese (CE), masonry construction, and the San Giovanni Bosco Hospital in Naples, reinforced concrete building*".
- Scientific Coordinator of the Research Programme on "*Studies and Research on Cultural Heritage and Landscapes for the Tourist Development of Territorial Areas and Historic Centre of the Campania Region - Laocoonte Scpa Project*"