

Brief CV - prof. LUCIANO FEO



Luciano Feo is a Full Professor of Structural Mechanics at the Department of Civil Engineering of the University of Salerno, and an Honorary Professor at the “Ovidius” University of Constanța (Romania). He obtained his cum laude degree in Civil Engineering for Soil Protection and Territorial Planning at the University of Salerno (1990), a Ph.D. in Structural Engineering from the University of Naples “Federico II” (1994), and a university diploma in “Conception optimisée, intelligence des matériaux et des structures” from the École Polytechnique in Paris (1999).

He is the author of approximately 350 scientific publications, including articles in internationally and nationally recognized journals, proceedings of national and international conferences, book chapters, encyclopedia entries, and departmental reports.

His main research activities — past and present — focus on:

- the mechanics of thin-walled beams;
- structural strengthening with composite materials;
- innovative materials and structural systems;
- numerical and experimental analysis of joints for composite structures;
- innovative materials for sustainable engineering;
- multiscale modeling of the mechanical response of materials and structures;
- free oscillations of functionally graded nanobeams.

Further research interests include:

- structural bearings;
- biomechanical analysis of bone-implant interaction in osseointegrated dental implants;
- strongly nonlinear dynamics of granular systems.

He is currently the National Scientific Coordinator of the PRIN2020 project, titled “*Opportunities and challenges of nanotechnology in advanced and green construction materials*”, funded by the Italian Ministry of University and Research, and the National Coordinator of the section “*Innovative materials for infrastructural interventions on existing structures*” in the ReLUIS-DPC 2024–2026 project (University Network of Seismic Engineering Laboratories – Department of Civil Protection).

He was also co-founder of the NANO_MATES Interdepartmental Research Center (Research Centre for NANOMaterials and nanoTEchnology) at the University of Salerno.

Prof. Feo has served as Scientific Coordinator of numerous research projects of national interest (PRIN), funded by:

- the Ministry of Education, University and Research (MIUR),
- the National Research Council (CNR),
- the ReLUIS-DPC Consortium,
- and through university funds for basic research (FARB).

He is a member of numerous academies, associations, scientific committees and national and international research centers, including:

- ICoATH (International Council of Advanced Technologies for Humanity),
- EU Academy of Science,
- Laboratoire Lagrange,
- ICCE (International Community for Composites Engineering),
- IIFC (International Institute for FRP in Construction),
- ACI Italy Chapter,
- EUROMECH (European Mechanics Society),
- AIMETA,
- AIAS (Italian Association for Stress Analysis),
- CTA (College of Steel Technicians),
- and ASSOCOMPOSITI.

Since 1996, he has been in charge of Testing and Quality Assurance at the Official Testing Laboratory for Materials and Structures in the Department of Civil Engineering of the University of Salerno. Since 1999, he has also been a member of the National College of Laboratory Directors and Quality Assurance Managers of official laboratories in Engineering and Architecture faculties across Italian universities.

Since 2004, he has served as the National Secretary of the CNR Study Group responsible for producing the Technical Documents on the structural use of fiber-reinforced composite materials in civil engineering. Since 2010, he has been a member of the international expert panel that drafted the European document CEN TC 250 – WG4, *“Fibre Reinforced Polymer Structures – Scientific and Technical Report”*, providing European guidelines for the design and verification of structures made entirely from FRP elements.

Since 2015, he has been Director of the Official Testing Laboratory for Materials and Structures at the University of Salerno. Throughout his academic career, Prof. Feo has collaborated with numerous national and international research groups and has conducted scientific research at several foreign universities.

In the field of internationalization, he is the scientific coordinator of major international cooperation agreements (MOUs) with universities in Japan, South Korea, and Saudi Arabia.

He has participated in countless scientific conferences in Italy and abroad, serving as Chairman, General Co-Chairman, and Honorary Vice Chair, and has been an invited speaker at many scientific events.

Since 2021, he has been an Expert Member of the Superior Council of Public Works (Consiglio Superiore dei LL.PP.) at the Ministry of Sustainable Infrastructure and Mobility, in Section 1 (Building, structural works, land management, environment, IT, energy, general affairs).

Among his many awards:

- the AIAS National Award 2009 from the Italian Association for Stress Analysis,
- the Most Cited Paper Award (Elsevier) for the years 2015 to 2019. Since 2017, he has been listed in the Top Italian Scientists rankings.

His editorial activity is also particularly significant. Prof. Feo has been Editor of *Composites Part B: Engineering* (Elsevier), and is currently:

- Associate Editor of *Cureus Springer Nature* (Civil Engineering and Architecture section),
- Editor-in-Chief of the “*Advanced Composites*” section of *Materials*,
- Senior Associate Editor of *PSU Research Review* (Emerald),
- and Editor of the *International Journal of Modern Manufacturing Technologies*.

He is also Guest Editor/Co-Editor of several Special Issues in international journals, including:

- *Materials*: “*Green Materials and Construction*”, “*Innovative Materials in Civil Constructions*”, “*Recycled Materials, Eco-design and 3D Printing*”
- *Composites Part B: Engineering*: “*Advances in Damage Mechanics of Polymer Composites*”, “*Composite Lattice Materials and Structures*”
- *Technologies*: “*Nanotechnology in Construction*”, “*Bolted and Bonded Joints in Fibre Reinforced Polymer Constructions*”

He also serves on the Editorial Board of: *Composites Part B: Engineering*, *Composites Theory and Practice*, *World Journal of Engineering*, *Journal Technologies*, *Materials*, *Current Nanoscience*, *International Journal of Nanoelectronics and Materials*, *Curved and Layered Structures*, *PSU Research Review*, and *Progettazione Sismica* (Italy).

In terms of institutional roles, he is currently:

- President of the Teaching Council in Civil, Environmental and Architectural Engineering at the University of Salerno,
- Director of the Official Testing Laboratory for Materials and Structures (Dept. of Civil Engineering), and has held several important university governance roles, including:
- Board Member of the University of Salerno and its University Foundation,
- Deputy Director of the Department of Civil Engineering (DICIV),
- and Director of the DICIV Laboratory of Bioengineering and Biomechanics.