



Raffaele Barretta

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Short Curriculum Vitae 2023

Full Professor of Structural Mechanics at the Department of Structures for Engineering and Architecture, University of Naples Federico II.

Associate Professor (2015–2021).

Assistant Professor (2010–2015).

Ph.D. in Structural Mechanics, University of Naples Federico II (2007).

Master Degree in Civil Engineering (magna cum laude), University of Naples Federico II (2003).

Coordinator of AIMETA Group Multiscale and Nanostructure Mechanics (2022);
<http://bit.ly/3FcUSDw>.

Local Coordinator of MIUR PRIN 2017 Multiscale Innovative Materials and Structures.

Editorial Board of scientific journals Acta Mechanica and Archive of Applied Mechanics.

Research interests: multiscale structures; nano-engineered materials and structures; generalized continua; homogenization; nonlinear constitutive relations; geometric methods in nonlinear continuum mechanics; variational methods; variable mass dynamic systems; solid-fluid interaction with applications to turbines, jets, rockets and sprinklers; thermoelasticity; waves, phase transitions, nonlinear shells.

Top Italian Scientist in the Engineering Area from Single Year Career 2017.

Awarded in the top list of 90 scholars of University of Naples Federico II, database of PloS Biology 100,000 top world scientists (<http://bit.ly/37ox6Uk>).

Ranked #714 in the world and #12 in Italy among Top Scientists 2023 (<http://bit.ly/3M5nhPl>).