**Curriculum Vitae**

Name: Francesco,

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Graduate in Physics (1986), Ph.D. in Mathematical Physics (1992), Maitre des conferences in Mechanics by the French Minister of Scientific Research (n. 9526040753 8/2/1995), Researcher at the University of Rome "La Sapienza" -Group H07A- (1991-1998), Associated Professor -Group H07A- (1998-...). Full Professor of Mechanics of Materials at University of Rome "La Sapienza" (2005-…). Current Position: Full Professor of Mechanics of Materials at Università degli Studi dell’Aquila (2016-…)

Member of the "Collegio dei Docenti" of the Doctoral School in Theoretical and Applied Mechanics Università di Roma La Sapienza.

Administrative Responsibilities: Scientific Responsible: Laboratorio Strutture e Materiali Intelligenti Cisterna di Latina (2003-2033); Director of Member Research Center M&MoCS, University of L’Aquila (2016 – …); Membre of the Executive Committee of the Research Center M&MoCS, University of L’Aquila (2012 – …); Membre du Conseil scientifique de l’Institut des sciences de l’ingénierie et des systèmes – CNRS (2014 – 2018)

Supervisor or Member of the Doctoral Committees for 22 candidates.

Member of the Scientific Committee of 24 International Conferences and Schools.

Member of the Editorial Board of: International Journal of Applied Electromagnetics and Mechanics (2002-...); Research in Nondestructive Evaluation (2000-...); The Book series of Modern Mechanics and Mathematics (2012 – …); Mathematics and Mechanics of Solids (2012 – …); Editor of Continuum Mechanics and Thermodynamics (2013 – …);

Co-Founder of Mathematics and Mechanics of Complex Systems (M&MoCS) (2012 – …);

Guest Editor (with Samuel Forest) of the Special Issue of Continuum Mechanics and Thermodynamics (March 2013); PNRPU Mechanics Bulletin (2014 – …); Member of the Editorial Advisory Board of Acta Mechanica (2018–..); Member of the Editorial Board of ZAMM – Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik (2018–..); Member of the Editorial Board of Journal Mechanics of Solids (2017–..); Member of Editorial Board of Proceedings of the Royal Society A (2017–..); Member of European Journal of Environmental and Civil Engineering (EJECE)(2014–..).

Teaching subjects: Mechanics of multi-bodies systems, Saint-Venaint’s beam theory (1993 University of Toulon), mechanics of deformable bodies and theory of elasticity (1994 University of Aix-Marseille III), Strenght of materials (1995-...). Theory of Elasticity (Virginia Polytechnical Institute and State University 2001) Smart Structures (Università di Roma La Sapienza 2003-2016) Aspetti Strutturali dell'Ingegneria Civile ed Ambientale (Università di Roma La Sapienza 2002-2016), Strenght of materials (Università degli studi dell’Aquila 2016-…)

Field of scientific interest: Mechanics of solids and structures and Vibration Control. More specifically: Modelling of fluid flow in porous media. Saint-Venant's problem and Almansi problem for elastic microstructured solids, for piezoelectric materials in linear and non-linear contests (by means of the Signorini's perturbation method); Vibration control in beams connected to electric transmissions lines by means of PZT actuators).

Co-author of 181 papers on international journals and co-author of an US-patent.

Invited speaker at 107 seminars and conferences.

**Research Interests**

1. Foundations of Continuum Mechanics

2. Flow in deformable Porous Media

3. Piezoelectric transducers. Piezoelectromechanical Structures: Vibration Control by distributed arrays of piezoelectric transducers

4. Capillarity Surface Phenomena and Phase Transition

5. Economics

6. Saint-Venant Problems

7. Non Linear Elasticity and Theory of Beams Under Large Deformations

8. Stefan Problem – Free Moving Boundary Problems

9. Second Gradient Materials

10. Mechanics of Living Tissue

11. Metamaterials

12. History of Mechanics

13. Smart Materials

14. Composite Materials

15. Generalised Continuum Theories

16. Experimental Mechanics

17. Numerical Mechanics