

Education:

1988: Master degree in Civil Engineering at University of Catania.

1990: visiting researcher at the L.N.C.C. of Rio de Janeiro (Brasil).

1994: Ph.D. in Structural Engineering at Politecnico di Torino.

1996: visiting researcher at the Michigan Technological University (USA).

Career:

1994-1998: Assistant Professor of Structural Engineering at Politecnico di Torino.

1998-2004: Associate Professor of Structural Engineering at Politecnico di Torino.

2004-: Professor of Structural Engineering at Politecnico di Torino.

Vice-Director Laboratory of Materials and Structures - Department of Structural Engineering, Politecnico di Torino, Torino-Italy, 2004-2008.

President of the Council for the Degree course in Rehabilitation and Evaluation of the Faculty of Architecture, Politecnico di Torino, 2006-07.

Member of the Italian Superior Council for Public Works, 2008 –

Vice-Rector of the Politecnico di Torino for Student Affairs, 2006-

Member – Doctorate School in Structural Engineering, Politecnico di Torino, Torino-Italy, 1998-

Member – Doctorate School in Biomechanical Engineering, Politecnico di Torino, Torino-Italy, 2001-

Secretary of the European Structural Integrity Society (ESIS), 2002-06.

Secretary of the Organizing Committee of the 11th International Conference on Fracture (ICF11), Torino, Italy, March 20-25, 2005.

Secretary of the Italian Group of Fracture (IGF), 1998-2004.

President of the Italian Group of Fracture (IGF), 2004-2009.

Member - E.S.I.S. Technical Committee 9 on Concrete Structures, 1991-2000.

Member - UNI/CIS/SC4 Committee on Fiber-reinforced Concretes

Reviewer of various associations and international publications in the fields of Fracture and Solid Mechanics and in Structural and material Engineering, as the Int. Journal of Fracture, Engineering Fracture Mechanics, Theoretical and Applied Fracture Mechanics, ASCE Journal of Engineering Mechanics.

Founder and Scientific Committee Member of the Frattura ed Integrità Strutturale (Fracture and Structural Integrity) on-line, open access journal.

Invited courses and lectures at universities and research centres in Italy, Switzerland, Austria, France, Spain, Germany, The Netherlands, United Kingdom, Poland, Greece, Denmark, Sweden, USA.

Organizational Membership:

International Congress on Fracture (ICF), 2001-.

Réunion Internationale des Laboratoires d'Essais et de Recherches sur les Matériaux et les Constructions (RILEM), 1995-.

European Structural Integrity Society (ESIS), 1994-.

International Association of Fracture Mechanics for Concrete and Concrete Structures (IA-FraMCoS), 1995-.

European Mechanics Society (EUROMECH), 1994-.

International Union of Theoretical and Applied Mechanics (IUTAM), 1996-.

Scientific Research

Author of more than 100 scientific papers (about 30 published on International Journals) on the subjects of damage and fracture of structural materials, influence of material microstructure on the mechanical properties, size effects, brittle collapse of large structures, fiber-reinforced materials, high-performance concretes.

Professional activity

Structural Integrity and structural collapse;

Seismic design;

Environmental and Construction Risks

Design and verification of RC and Steel structures;

Finite Element analysis;

Validation of Structural Design;

Degradation of Civil Structures;

Biomechanics Engineering;

Rehabilitation of Masonry and Historical Structures.