



CURRICULUM VITAE



Personal Information

Name, Surname	Federico Massimo Mazzolani	
Gender		
Date and Place of Birth		
Nationality		
Title / Discipline	Professor Emeritus University Federico II	Structural Engineering
Address		
Telephone number		
E-mail		
URL - website		

Education & Training	1961 Graduation in Civil Engineering at the University of Naples. 1969 Doctor degree in Structural Engineering (" <i>libera docenza</i> ").
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Summary of Academic Career	1962 Voluntary Assistant in the Engineering Faculty. 1968 Research Assistant in the Engineering Faculty. 1971-1975 Professor of Physics I in the Engineering Faculty. 1975 Full professor of Structural Engineering at the University of Naples "Federico II". 1995 Doctor Honoris Causa at Technical University of Bucharest. 1996 Doctor Honoris Causa at Polytechnical University of Timisoara. 2006-2010 Decan of the sector ICAR/09 in the University of Naples "Federico II". 2006-2010 Decan of the Civil Engineering in the University of Naples "Federico II". Since 2011 Emeritus Professor of Structural Engineering in the University of Naples "Federico II."
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Teaching activity	<p>University courses:</p> 1970-1975 Physics I. 1975-2011 Technique of Constructions. 1996-2011 Theory and Design of Steel Constructions. 2005-2006 Metallic Structures in Architecture. 2007-2011 Advanced Metallic Structures. <p>Master courses:</p> 2007-2013 Design of Aluminium Structures and Use of Steel in Structural Restauration (Master "Design of Steel"). 2012- 2018 Advanced Metallic Structures and Design of Aluminium Structures (Master SUSCOS, Erasmus Mundus project). <p>CISM (International Centre for Mechanical Sciences) courses and lectures:</p> 1992 Stability of Steel Frames. 2000 Seismic Resistant Steel Structures. 2002 Refurbishment of Buildings and Bridges. 2003 Aluminium Structural Design.
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Research Fields & Projects	<p>Research fields: metal structures (steel and aluminium), seismic design and structural restoration.</p> <p>Publications: author of more than 1200 papers published in national and international journals and conference proceedings; author and/or editor of more than 40 books in English (two translated in Chinese).</p> <p>Chairman of national Research Projects: (2000/2005) ILVA-IDEM on “Seismic upgrading of RC buildings by advanced techniques”; (2001/2003) PRIN 2001 on “Innovative Structures for Seismic Protection of Buildings”; (2003/2005) PRIN 2003 on “Innovative Steel Structures for Seismic Protection of new and existing Building: design criteria and methodologies”; (2005/2007) PRIN 2005 on “Structural Protection and rehabilitation of Historical Buildings by reversible mixed techniques”; (2005/2008) RELUIS unit on "Steel and steel-concrete composite structures".</p> <p>Chairman of international Research Projects:(1997-2000) INCO-COPERNICUS JOINT (RECOS) on “Reliability of moment resistant connections of steel building frames in seismic areas”; (2004/2008) PROHITECH Project on “Earthquake Protection of Historical Buildings by Mixed Reversible Technologies”; (2006/2010) REHICO Project “Sino-Italian cooperation on innovative methodologies for structural rehabilitation of historical constructions”; (2006/2009) COST C26 Action on “Urban Habitat Constructions under Catastrophic Events.”</p>
Membership and office held in Scientific Societies	<p>CNR (National Research Council): (1978/1998) Committee for Steel Structures; (since 2002) Committee for Technical Codification.</p> <p>1990 Founder member of AICPS (Association of Engineers, Constructors and Designers of Structures), Romania.</p> <p>1991/94 President of the Italian Council of Steel Technicians (CTA).</p> <p>1994 Founder member of ESDEP (European Steel Design Educational Program)</p> <p>2001 Member of the Royal Academy of Engineers of Spain.</p> <p>Since 2002 Honorary Member of the Italian Council of Steel Technicians (CTA)</p> <p>2005 Member of the Academy of Engineers of Czech Republic.</p> <p>2004/2008 Member of the Steering Committee of the SIJLAB “Sino - Italian Joint Laboratory of Archimedes Bridge”.</p> <p>Since 2007 Member of the Canadian Standard Association.</p> <p>Since 2008 Member of the Board of IAESE (International Association for Experimental Structural Engineering).</p> <p>Since 2010 Member of the Steering Committee of APK (French association for the development of steel constructions).</p>
Editorial activities in Journals and Monographs Series	<p>Reviewer and/or member of the Scientific Editorial Board in the following international Journals: Acta Mechanica Sinica; Pollack Periodica; Structural Engineering International; Journal of Vibration and Control; Materials and Structures; Journal of Constructional Steel Research; Computer and Structures; Materials and Design; Progress in Structural Engineering; Construction Métallique; Costruzioni Metalliche.</p>

Offices held in the University	1978/82 Director of the Institute of Structural Engineering at the Engineering Faculty of Naples. 1997/2003 Responsible of the SOCRATES ERASMUS project for Civil Engineering students. 2000/2003 Member of the Faculty Committee for external relationships. 2006-2013 President of the Master “Design of Steel Structures”. 2005-2010 President of the Research Doctorate School in Construction Engineering.
Other Activities	<p>National and international awards:</p> <ul style="list-style-type: none"> -(1986) Jubilee Competition “Hundred Years of Aluminium” prize. -(1987) ECCS award for the main building of the New Fire Station in Naples. -(1995-99) ACAI prizes for the Malpensa Airport building in Milan. -(2001) “Charles Massonnet” award from the European Convention for Construction Steelwork (ECCS-CECM). -(2009) Diplome of excellence from the Romanian Academy of Scientists. -(2009) Price of the Macedonian Academy of Seismic Engineering. -(2012) European Aluminium award for the ENEL Geodetic Domes. -(2015) “Ark Mekertichian” award from the Iranian Society of Steel Structures. <p>Chairman of International Conferences:</p> <p>STESSA (Behaviour of Steel Structures in Seismic Areas) since 1994</p> <p>PROHITECH (Protection of Historical Constructions) since 2009</p>
Selected Publications	<p>Books:</p> <p>1977 “Collegamenti Saldati” (con I. Daddi, G. Costa), CISIA, Genova.</p> <p>1979 “Strutture di Acciaio” (con G. Ballio), ISEDI, Mondadori, 1987 Hoepli, MI.</p> <p>1983 “Theory and Design of Steel Structures” (con G. Ballio), Chapman & Hall.</p> <p>1985 “Aluminium Alloy Structures”, Pittman, 1985 Chapman & Hall, London.</p> <p>1986 “La progettazione delle Strutture in Lega di Alluminio”, Liguori, Napoli.</p> <p>1994 “Design of Steel Structures in Seismic Zones” (con V. Piluso), ECCS Manual, Brussels.</p> <p>1996 “Theory and Design of Seismic Resistant Steel Frames” (con V. Piluso), Chapman & Hall, London.</p> <p>2001 “Design of Metallic Cold - Formed Thin - Walled Structures” (con A. Gherzi, R. Landolfo), E & FN Spon, London.</p> <p>2002 “Ductility of Seismic Resistant Steel Structures” (con V. Gioncu), E & FN Spon, London.</p> <p>2006 “Edifici con Struttura di Acciaio in Zona Sismica” (con R. Landolfo, G. Della Corte, B. Faggiano), IUSS Press, Pavia.</p> <p>2007 “Edifici in Acciaio” (con C. Bernuzzi), Hoepli, Milano.</p> <p>2011 “Earthquake Engineering for Structural Design” (con V. Gioncu), Spon Press, London.</p> <p>2012 “La Progettazione Strutturale delle Leghe di Alluminio”, Off. Graf. Giannini</p> <p>2014 “Seismic Design of Steel Structures” (con V. Gioncu), CRC Press, London.</p> <p>2017 “Design of Steel Structures for Buildings in Seismic Areas” (con R. Landolfo, D. Dubina, L. da Silva, M. D’Aniello), Wiley, Ernst & Sohn, Berlin.</p>