

Personal data

University of Sannio Department of Engineering Piazza Roma 21 82100 Benevento, Italy
<https://orcid.org/0000-0001-7256-2705>

Education

DEGREE	PLACE	DATES	COMMENTS
PhD Electrical and Computer Engineering	University of Waterloo, ON, Canada	April 2015	Thesis: Affine Arithmetic for Power and Optimal Power Flow Analyses in the Presence of Uncertainties. Advisors: Prof. Claudio A. Canizares.
M.Sc. Electronic Engineering	University of Salerno - Italy	April 1998	Thesis: High performance Speed Tracking of PDMC Motor Using Neuro-Fuzzy Control. Advisors: Profs. Antonio Piccolo, University of Salerno, Professor Mahdi Mahfouf, University of Sheffield, UK. GPA: 110/100 SUMMA CUM LAUDE and COMMENDATION

Employment

POSITION	PLACE	DATES	COMMENTS
Associate Professor	University of Sannio Department of Engineering Italy	Nov 2014- present	Instructor of several Electrical Engineering undergraduate and graduate courses. Supervision of undergraduate, graduate and post-graduate research assistants, research associates and visitors. Lead and collaborate in research grants and contracts funded by government agencies and industry.
Assistant Professor		Nov. 2002- Oct. 2014	
Research Assistant	University of Salerno Department of Electrical and Information Engineering (DIIE) Italy	Oct. 1999- Oct. 2002	Research several areas in power systems simulation, modeling and analysis; Participation to a research project entitled "Study of innovation technologies for remote vehicle management in public transportation systems".
Acting Chair	Opera21 Group SpA - Italy	June 2008- June 2012	Collaborate with the CEO in defining the research directions of the Research & Development Committee in the field of Advanced Information and Communications Technologies for Smart Grids
Task Leader	Research Consortium on Agent Systems (CORISA)-Italy	Jan. 2009- Dec. 2014	Collaborate with the Scientific Director in leading the strategic scientific initiatives in the field of Smart Energy Networks.
Scientific Director	University of Sannio Department of Engineering Italy	Feb 2011.- Dec. 2013	Lead the bureau of the Research Centre on Pure and Applied Mathematic at the University of Sannio.
Project Tutor	Mediterranean Agency for Remote Sensing and Environmental Control (MARSec) - Italy	Jan. 2005- Jan 2006	Lead the research activities in the field of critical electrical infrastructures monitoring by satellite data processing.

Project Tutor	Research Centre on the new technologies for environmental diagnostic and sustainable development (TEDASS) - Italy	Jan. 2009 – Jan. 2010	Lead the research activities in the field of new methodologies for massive integration of renewable power generators in electrical grids.
Task Leader	Research Centre on Pure and applied Mathematic (CRMPA)- Italy	Jan. 2010 – Dec. 2013	Lead the research activities in the field of enabling methodologies for power systems optimization.
Member of the Board of Directors	University of Sannio Italy	Jan. 2007 – Jan.2013	Elected member of the board of Directors of the University of Sannio.
Visiting Researcher	University of Waterloo E&CE Department Canada	Sep. 2008- Feb. 2009	Start collaborative research work with Prof. C. Canizares and his research group on new methodologies for power systems analysis in the presence of data uncertainty by Affine Arithmetic.
Visiting Researcher	University of Waterloo E&CE Department Canada	Feb. 2010- Mar. 2010	Continue collaborative research work with Prof. C. Canizares and his research group on solving uncertain optimal power flow analyses by reliable computing-based paradigms.
Visiting Researcher	University of Waterloo E&CE Department Canada	Sep. 2011- Oct. 2011	Continue collaborative research work with Prof. C. Canizares and his research group on solving uncertain optimal power flow analyses by reliable computing-based paradigms.
Visiting Professor	Université Libre de Bruxelles, Département d'Informatique, Belgium	Sep. 2012 – 1 week	1 Week course for PhD students on the Enabling Methodologies and Technologies for Smart Grids
Dean	University of Sannio, Italy	Nov. 2019- present	Dean of the Energy Engineering BC and MsC degree

Publications: 180

	Google Scholar June 2021	SCOPUS June 2021
Citations	4273	3127
h-index	34	30

Services for Societies, Journals and Conferences

- Editor of the IEEE transactions on Smart Grids, January 2020- present
- Editor of the IEEE transactions on Power System, January 2020- present
- Editor of the IEEE Power Engineering Letters, January 2020- present
- Editor in Chief, Technology and Economics of Smart Grids and Sustainable Energy - Ed. Springer Nature, September 2019-present.



- Secretary of the IEEE PSOPE Technologies & Innovation Subcommittee Subcommittee, January 2021-present
- Member of the IEEE TAB Awards and Recognition Committee
- Chair of the Task Force “Enabling Paradigms for High-performance Computing in Wide Area Monitoring Protective and Control Systems” of the IEEE PSOPE Technologies & Innovation Subcommittee Subcommittee, September 2018-present
- Chair of the IEEE PES Awards and Recognition Committee, January 2018-present.
- Deputy Chair of the IEEE PES Awards and Recognition Committee, January 2017-December 2017.
- Executive Editor of the International Journal of Renewable Energy Technology, ISSN 1757-398X (online),1757-3971 (print), Ed. Inderscience Publishers, February 2016-December 2017.
- Editor in Chief of the International Journal of Renewable Energy Technology, ISSN 1757-398X (online),1757-3971 (print), Ed. Inderscience Publishers, January 2018-August 2019.
- Associate Editor, IEEE transactions on Industrial Informatics, January 2005-January 2007.
- Member of the Editorial Board, IET Renewable Power Generation January 2011-present .
- Member of the Editorial Board, International Journal of Reliability and Safety, Ed. Inderscience Publishers, January 2008-present.
- co-Editor , Book entitled "Innovations in Power Systems Reliability" Springer Series in Reliability Engineering, edited by Springer-Nature, 2011.
- co-Editor, Book entitled “Wide Area Monitoring, Protection and Control Systems: The Enabler for Smarter Grids” edited by the Institution of Engineering and Technology-IET, 2016
- co-Editor , Book entitled “Computational Intelligence Applications in Smart Grids” edited by the Imperial College Press, 2014.
- Guest Editor, Special issue entitled “Enabling Paradigms for Information Processing in Smart Grids” for the International Journal of Electrical Power & Energy Systems, Ed. Elsevier
- Guest Editor, Special issue entitled "Enabling Technologies and Methodologies for Knowledge Discovery and Data Mining in Smart Grids " for the IEEE Transactions on Industrial Informatics.
- Guest Editor, Special issue entitled "Emerging Technologies and Methodologies for Power Systems Reliability and Security Assessment" for the International Journal of Reliability and Safety.
- Guest Editor, Special issue entitled " Smart Grid Cyber Security" for Electronics.
- Member of the IEEE Working Group C-4, Industry Experiences With System Integrity Protection Schemes (SIPS).
- Member of the IEEE Working Group C-11, Power System Protection Testing.
- Member of the North American SynchroPhasor Initiative (NASPI).
- Member of the IEEE Task Force on Autonomic and Trusted Computing of the Emergent Technologies Technical Committee (ETTC) – Computational Intelligence Society (CIS).
- Leader of the Task Force “Guidelines for Synchronization Techniques Accuracy and Availability” of the NASPI-Performance & Standards Task Team (PSTT).
- Member of the IEEE working group on Interval Arithmetic.
- Member of the PES/IEEE Working Group “Power Engineering Careers”.



- Member of the CIGRE Working Groups B5.14 “Wide Area Protection & Control Technologies” and B5.43 “Coordination of Protection & Automation for Future Networks”
- Organizer and co-chair of the Cigre’ International Workshop on Wide Area Monitoring Protection and Control Systems: the Enabler of Smarter Grids, Benevento, 2010.
- Chair, Workshop on “Computational Intelligence Techniques for Smart Grids” under the 2011 International Conference on Fuzzy Systems (FUZZ IEEE).
- Chair, Special section entitled “Emerging Methodologies and Technologies for Large Scale Integration of Renewable Power Generators in Electrical Distribution Systems” under the 2008 IEEE International Symposium on Industrial Electronics (IEEE ISIE 2008)
- Program co-Chair of the 2016 IEEE Workshop on Environmental, Energy, and Structural Monitoring Systems, EESMS 2016; Bari; Italy
- Session Chair, “ENVIRONMENT MONITORING” of the 2016 IEEE Workshop on Environmental, Energy, and Structural Monitoring Systems, EESMS 2016; Bari; Italy
- Session Chair, “Intelligent power network transmission technology” of the Smart Grid Technologies Meeting, EMN 2016, August 2016 Berlin, Germany.
- Energy track chair, 2016 IEEE Global Humanitarian Technology Conference (GHTC), October 13 – 16, 2016 Seattle, USA
- Special Section Chair, “Fuzzy Systems on Smart Grid” of the 2017 International Conference on Fuzzy Systems (FUZZ-IEEE).
- Area Chair, “Fuzzy Logic Applications” for the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2017).
- Chair of the “Reliable Electricity” Working Group under the Humanitarian Technology Challenge, a partnership between the **IEEE** and the **United Nations Foundation** targeted at developing technological solutions to some of the greatest challenges facing public health and disaster response workers today, October 2008-January 2010.
- Chair and organizer, Panel entitled “Decentralized architectures for power system protection, estimation and control” of the 2017 IEEE PES General Meeting, Chicago (IL)
- Chair and organizer, Panel entitled “Decentralized Computing in Wide Area Monitoring Protective and Control Systems (WAMPACs)” of the 2018 IEEE PES General Meeting, Portland (OR)
- Chair and organizer, Panel entitled “Challenges and Enabling Technologies for Wide Area Protection of Future Power Systems” of the 2019 IEEE PES General Meeting, Atlanta (GE)
- Senior member of the IEEE since 2009.
- IEEE Member since 1999.

