

Giovanni Crupi

CURRICULUM VITAE

24/10/2026

PERSONAL DATA

Name Surname	Giovanni Crupi
Birth's city	Lamezia Terme (CZ), Italy
Birth's day	15/09/1978
Fiscal code	CRPGNN78P15M208M
Position held	Full Professor
Affiliation	BIOMORF Department, University of Messina, Messina, Italy
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University profile	https://unime.unifind.cineca.it/get/person/029881

EDUCATION

15/12/2006	Ph.D. degree in "Advanced Technologies for Optoelectronics, Photonics and Electromagnetic Modeling", University of Messina, Italy Thesis's title: "Characterization and modelling of advanced GaAs, GaN and Si microwave FETs" Advisors: Prof. A. Caddemi (University of Messina, Italy) Prof. D. M. M.-P. Schreurs (Katholieke Universiteit Leuven, Belgium)
15/04/2003	M.S. degree in "Electronic Engineering" cum Laude (with Honors), University of Messina, Italy Thesis's title: "Microwave pHEMT characterization and small signal modeling by direct extraction procedures" Advisors: Prof. A. Caddemi, Prof. N. Donato (University of Messina, Italy)
08/1997	High school degree "Diploma di maturità classica" with full grade 60/60 from the "Liceo Classico-Ginnasio Pitagora" of Crotone, Italy

NATIONAL SCIENTIFIC QUALIFICATION (ASN)

28/08/2018	Italian national scientific qualification to function as Full Professor (ASN 2016, sector: 09/E3 - "Electronics")
04/02/2014	Italian national scientific qualification to function as Associate Professor (ASN 2012, sector: 09/E3 - "Electronics")

PROFESSIONAL EXPERIENCE

07/01/2025-present	Full Professor, BIOMORF Department, University of Messina
30/12/2017-06/01/2025	Associate Professor, BIOMORF Department, University of Messina
01/01/2015-29/12/2017	Tenure Track Assistant Professor, BIOMORF Department, University of Messina
01/06/2013-31/12/2014	Untenured Assistant Professor, DICIEAMA Department, University of Messina
02/05/2012-01/05/2013	Research Contract, Dipartimento di Fisica della Materia e Ingegneria Elettronica, University of Messina Scientific Supervisor: Prof. Alina Caddemi
01/09/2011-01/03/2012	Research Contract, Engineering Department, University of Ferrara Scientific Supervisor: Prof. Giorgio Vannini
05/09/2007-04/09/2010	Research Contract under the context of "IMT-ARSEL" FIRB project, Dipartimento di Fisica della Materia e Ingegneria Elettronica, University of Messina Scientific Supervisor: Prof. Alina Caddemi
01/08/2006-15/07/2007	Employment Contract, Katholieke Universiteit Leuven, Belgium In the framework of the project "Nano-RF" (2002-2006), funded by the European Commission within the Sixth Framework Programme Research subject: Small- and large-signal modeling of Fin transistors/varactors Scientific Supervisor: Prof. Dominique Schreurs
23/06/2009-02/07/2009	Visiting Scientist, Warsaw University of Technology, Warsaw, Poland Research subject: Noise modeling of advanced microwave transistors Scientific Supervisor: Dr. Wiatr Wojciech
15/03/2010-14/05/2010 01/11/2008-30/11/2008 01/01/2008-29/02/2008 01/02/2006-31/07/2006	Visiting Scientist, Katholieke Universiteit Leuven and Interuniversity Microelectronics Center (IMEC), Leuven, Belgium Research subject: Small- and large-signal modeling of advanced microwave transistors Scientific Supervisor: Prof. Dominique Schreurs
01/09/2005-31/12/2005 01/05/2005-30/06/2005	Visiting Scientist, Katholieke Universiteit Leuven and Interuniversity Microelectronics Center (IMEC), Leuven, Belgium In the framework of the European FP6 Network of Excellence "Top Amplifier Research Groups in a European Team (TARGET)" (2004-2007) Research subject: Small- and large-signal modeling of GaN HEMTs Scientific Supervisor: Prof. Dominique Schreurs

TEACHING ACTIVITIES

2015/2016-2026/2027	"Electronics", School of Specialization in "Nuclear Medicine", University of Messina
2022/2023-2026/2027	"Fundamentals of Electronics", Bachelor Degree in "Biomedical Engineering", University of Messina
2020/2021-2026/2027	"Principles and Applications of Optoelectronics", Master Degree in "Bioengineering" (since 2025/2026) and Master Degree in "Electronic Engineering for Industry", University of Messina
2025/2026	"Electronics for Bioengineering", Ph.D. course in "Bioengineering Applied to Medical Sciences", University of Messina
2019/2020-2021/2022, 2023/2024	"Electrical and Electronic Devices - Module B", Ph.D. course in "Bioengineering Applied to Medical Sciences", University of Messina
2019/2020-2024/2025	"Computer Science", Bachelor Degree in "Psychiatric Rehabilitation Technique", University of Messina
2022/2023-2024/2025	"Computer Science", Bachelor Degree in "Medical Radiology, Imaging and

Radiotherapy Techniques", University of Messina

2022/2023 "Computer Science", Master Degree in "Science of Health Professions and Diagnostic Techniques", University of Messina

2017/2018-2021/2022 "Electronic and Computer Bioengineering", Bachelor Degree in "Orthoptic and Ophthalmological Assistance", University of Messina

2013/2014-2021/2022 "Bioengineering", Bachelor Degree in "Neurophysiopathology Techniques", University of Messina

2018/2019-2021/2022 "Electronic and Computer Bioengineering", Master Degree in "Health Professions of Rehabilitation Sciences", University of Messina

2021/2022 "Wireless Technologies", Master Degree in "Engineering and Computer Science", University of Messina

2015/2016-2020/2021 "Laboratory of Wireless Technologies", Master Degree in "Engineering and Computer Science", University of Messina

2010/2011, 2014/2015 "Microwave Electronics", Master Degree in "Electronic Engineering", University of Messina

2012/2013 "Design and Lab", Master in "Micro and Nanotechnologies for Extra High Frequency - MINTEHF", University of Messina

2009/2010 "Optoelectronics", Master Degree in "Electronic Engineering", University of Messina

2007/2008 "Fundamentals of Electronics", Master in "Meccatronica per le Nuove Attività Produttive - MECAP", University of Messina

ACADEMIC ACTIVITIES

02/2024-present Coordinator of the AQ-RDTM Committee (Quality Assurance for Departmental Research and Third Mission) of the Department BIOMORF, University of Messina

11/2024-present Vice-coordinator of the Bachelor Degree in "Biomedical Engineering", University of Messina

03/2022-present Member of the AQ-RDTM Committee (Quality Assurance for Departmental Research and Third Mission) of the Department BIOMORF, University of Messina

07/2024-04/2026 Member of the Technical Scientific Committee (CTS) for the ERC Domain "Life Sciences" (LS), evaluation activities for PRIN 2022 PNRR projects, University of Messina

02/2023-12/2024 Member of the Joint Committee Teachers-Students (Commissione Paritetica Docenti-Studenti) of the Department BIOMORF for the 2022-2024 biennium, University of Messina

12/2018-12/2024 Member of the Executive Committee (Giunta) of the Department BIOMORF for the two triennia 2018-2021 and 2021-2024, University of Messina

05/2021-present Member of the Quality Assurance Group for the Bachelor Degree in "Biomedical Engineering," University of Messina

11/2024-present International Mobility Coordinator for the Master Degree in "Bioengineering," University of Messina

11/2021-present International Mobility Coordinator for the Bachelor Degree in "Biomedical Engineering," University of Messina

03/2018-11/2021 International Mobility Coordinator for the International Master Degree in "Engineering and Computer Science," University of Messina

11/2019-present	Member of the Steering Committee of the Ph.D. course in "Bioengineering Applied to Medical Sciences" for XXXV-XXXXII cycles, University of Messina
11/2017-10/2021	Member of the Steering Committee of the international Ph.D. course in "Cyber Physical Systems" for XXXIII and XXXIV cycles, University of Messina
2026	External evaluator for the PhD thesis of Amartya Paul, candidate of Doctoral Program at the Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Meghalaya, Laitumkhrah. Shillong, India
2025/2026	External evaluator for the PhD thesis of Ifra Saeed, XXXVIII cycle candidate of Doctoral Program in "Physics and Astronomy" at the University of Milano-Bicocca, Italy
2026	External evaluator for the PhD thesis of Geeta Pattnaik, candidate of Doctoral Program at the Department of Electronics and Communication Engineering, Institute of Technical Education and Research, Siksha 'O' Anusandhan, Bhubaneswar, Odisha, India
2025	External evaluator for the PhD thesis of Moupali Roy, candidate of Doctoral Program at the Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Meghalaya, Laitumkhrah. Shillong, India
2023/2024	External evaluator for the PhD thesis of Kikuchi Ken, XXXVI cycle candidate of Doctoral Program in "Engineering Science" at the University of Ferrara, Italy
2023/2024	External evaluator for the PhD thesis of Simone Spataro, XXXVI cycle candidate of Doctoral Program in "Systems, Energy, Computer and Telecommunication Engineering" at the University of Catania, Italy
2023	External evaluator for the PhD thesis of A. Benish Chris, candidate of Doctoral Program at the SRM Institute of Science and Technology (SRMIST), Chennai, India
2022	External evaluator for the PhD thesis of Pragyey Kumar Kaushik, candidate of Doctoral Program at the Centre for Applied Research in Electronics (CARE), Indian Institute of Technology Delhi (IITD), India
2019/2020	External evaluator and Member of the Examination Committee for the PhD thesis of Xiue Bao, candidate of Doctoral Program in "Engineering" at the Katholieke Universiteit Leuven, Belgium
2019/2020	External evaluator and President of the Examination Committee for the PhD thesis of Giovanni Gugliandolo, XXXII cycle candidate of Doctoral Program in "Metrology" at the Politecnico of Turin, Italy
2017/2018	External evaluator for the PhD thesis of Francesco Trevisan, XXX cycle candidate of Doctoral Program in "Engineering Science" at the University of Ferrara, Italy
2017/2018	External evaluator for the PhD thesis of Ahsin Murtaza Bughio, XXX cycle candidate of Doctoral Program in "Electronic Engineering" at the Politecnico of Turin, Italy

PROJECT MANAGEMENT

10/2022-03/2026	Task Leader for the Task 3.4 "Innovative Wearable Sensors Design, Development and Characterization", member for the Task 3.2 "Advanced BioChip Design, Development and Characterization", and member for the Task 6.2 "Sensors and Systems for Smart Monitoring and Fruition of Cultural Heritage Sites" of the MUR-PNRR project SAMOTHRACE. – "SiciliAn MicronanOTecH Research And innovation CEnter" (ECS00000022). (budget for the University of Messina: 21.233.853,77 € –36 months)
03/2026	Recipient of the "Finanziamento Attività di Base della Ricerca di Ateneo" (FFABR) Unime 2025

12/2023 Recipient of the "Finanziamento Attività di Base della Ricerca di Ateneo" (FFABR) Unime 2023

12/2021 Recipient of the "Finanziamento Attività di Base della Ricerca di Ateneo" (FFABR) Unime 2021

12/2017 Recipient of the 2017 FFABR national research grant by the Italian Ministry of Education, University and Research (MIUR)

06/2008 Coordinator of the project "Progetto Giovani Ricercatori 2005" ("Project for Young Researchers 2005") funded by the University of Messina. The project aim is the characterization and modeling of advanced HEMT for microwave applications

05/2005-present Involved with several European and Italian projects:
European FP6 Network of Excellence "Top Amplifier Research Groups in a European Team (TARGET)" (2004-2007) under contract IST-1-507893-NOE; project "Nano-RF" (2002-2006) funded by the European Commission within the Sixth Framework Programme under contract IST-027150; PON "PANREX" (budget for the University of Messina: 1.208.400 €); FIRB "IMT-ARSEL" project prot. RBIP06R9X5 with financial support by Italian MIUR (budget for the University of Messina: 309.000 €); "CMOGAN" project through the contribution of the Italian Ministero degli Affari Esteri, Direzione Generale per la Promozione e la Cooperazione Culturale (budget for the University of Messina: 50.000 €); "TEMPUS" project for the "Development of Master study programmes in Telecommunications and Control" at the University of Nis, Serbia (budget for the University of Messina: 30.000 €); PON "TETI" (budget 9.086.970,34 €); project "LS_TTO NETWORK - Life Science Italian Technology Transfer Network" (2023-2029) funded by the Italian Ministero della Salute (budget for the University of Messina: 450.470,00 €); project "COBS4FUN" (2024-2025) (budget for the University of Messina: 159.706,00 €); project "AGRITECH - National Research Centre for Agricultural Technologies" (2025) funded by the European Union – NextGenerationEU under contract CN00000022; project "HE-LIX - Heritage Empowerment by Leveraging Innovation and eXchange" (2026-2028) funded by the Italian MUR under D.D. n. 782 (budget for the University of Messina: 2.269.999,99 €); project "QUANTAS - QUAntum enabled micro and Nano Technologies for Agriculture and Sustainability" (2026-2028) funded by the Italian MUR under D.D. n. 782 (budget for the University of Messina: 1.315.501,64 €)

MEMBERSHIPS AND ACTIVITIES INSIDE INTER-UNIVERSITY CENTERS AND CONSORTIA

07/2023-present Member of the research unit of the University of Messina inside the National Inter-University Consortium for Telecommunications (CNIT), a non-profit consortium bringing together 42 public Italian universities to perform research, innovation and education/training activities in the field of the Information and Communication Technology

09/2023-10/2026 Representative of the University of Messina inside the Microwave Engineering Center for Space Applications (MECSA), an inter-university center among several Italian Universities that is specialised in microwave and millimetre-wave electronics, for the triennium 2023/25

07/2015-10/2026 Member of the research unit of the University of Messina inside the Microwave Engineering Center for Space Applications (MECSA), an inter-university center among several Italian Universities that is specialised in microwave and millimetre-wave electronics

SCIENTIFIC SOCIETY MEMBERSHIPS AND ACTIVITIES

05/2012-present Chair of the IEEE MTT-S Graduate Fellowship Program
The award of fellowships to outstanding graduate students working in the microwave and RF technologies is one of the longest continuing education-related activities of the IEEE MTT-S. The objective of the Graduate Fellowship Program is to recognize and

provide financial assistance to graduate students who show promise and interest in pursuing a graduate degree in microwave engineering. Up to 15 Fellowships (6000$ plus 1500$ to attend the IEEE MTT-S International Microwave Symposium (IMS)) may be granted each year. The recipients are formally recognized at a Student Awards Luncheon held at every IMS conference. Full details of the Fellowship Awardees are available in an article published yearly in the IEEE Microwave Magazine.

05/2012-present IEEE MTT-S Education Committee Member
The Education Committee of the IEEE MTT-S is responsible for the promotion and coordination of activities furthering the cause of education as it relates to the Society

10/2012-present IEEE Microwave Theory and Techniques Society (MTT-S) Member

07/2013-present IEEE Senior Member

10/2012-07/2013 IEEE Member

01/2004-12/2004 IEEE Student Member

JOURNAL EDITORIAL BOARD MEMBERSHIPS

09/2012-present Editor-in-Chief (07/2022-present), Senior Editor (01/2022-06/2022), Editor (04/2019-12/2021), and Associate Editor (09/2012-04/2019) of *Wiley International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*

02/2026-present Editor-in-Chief of *Taylor & Francis International Journal of Optomechatronics*

07/2023-10/2025 Associate Editor of *IEEE Transactions on Electron Devices*

10/2022-12/2024 Associate Editor of *IEEE Microwave and Wireless Technology Letters* formerly *IEEE Microwave and Wireless Components Letters*

09/2021-04/2026 Associate Editor of *IEEE Access*

04/2021-present Editor-in-Chief of Microwave and Wireless Communications Section (02/2023-02/2025) and Section Associate Editor of Microwave and Wireless Communications Section (04/2021-present) of *MDPI Electronics*

10/2015-12/2022 Associate Editor (10/2017-12/2022), and Member of the Editorial Board (10/2015-10/2017) of *Wiley International Journal of RF and Microwave Computer-Aided Engineering*

01/2022-present Advisory Editor of *Wiley Engineering Reports*

GUEST EDITOR

09/2021-10/2021 Guest Editors: V. Vadalà, G. Crupi, Special Issue: "Modeling of umWave and mmWave electronic devices for wireless systems: Connecting technologies to applications," *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields,* September/October 2021

05/2016 Guest Editors: G. Crupi, P. Colantonio, mini Special issue: "Integrated Nonlinear Microwave and Millimetre-wave Circuits (INMMIC) 2015," *IEEE Transactions on Microwave Theory and Techniques*, May 2016

11/2014 Guest Editors: G. Crupi, A. Raffo, mini Special issue: "Integrated Nonlinear Microwave and Millimetre-wave Circuits (INMMIC) 2014," *IEEE Transactions on Microwave Theory and Techniques*, November 2014

09/2014-12/2014 Guest Editors: G. Crupi, D. M. M.-P. Schreurs, A. Caddemi, Special Issue: "Modeling of high-frequency silicon transistors," *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields,* September/December 2014

AWARDS

10/2022 "Best Paper Presented by a Young Researcher" for the contribution "A combined approach using Lorentzian fitting and ANNs for microwave resonator modeling," Z. Marinkovic, G. Gugliandolo, G. Campobello, G. Crupi, N. Donato, *IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering* (IEEE MetroXRAINE), Rome, Italy, 26-28 October 2022, pp. 608-612.

10/2022 "Best Poster Award" for the contribution "Salt content detection using a microwave sensor," X. Bao, Z. Wang, J. Bao, G. Gugliandolo, H. Yuan, Z. Zhao, J. Li, N. Donato, G. Crupi, B. Nauwelaers, D. M. M.-P. Schreurs**,** *IEEE International Workshop on Metrology for the Sea* (MetroSea), Milazzo, Italy, 3-5 October 2022, pp. 479-483.

09/2020 "Best Paper Presented by a Young Researcher" for the contribution "Development and metrological evaluation of a microstrip resonator for gas sensing applications," G. Gugliandolo, D. Aloisio, G. Campobello, G. Crupi, N. Donato, *IMEKO TC-4 International Symposium*, Palermo, Italy, 14-16 September 2020, pp.1-4.

06/2010 "Outstanding Paper Award" for the contribution "Source-pull characterization of FinFET noise," W. Wiatr, G. Crupi, A. Caddemi, A. Mercha, D. M. M.-P. Schreurs, *IEEE International Conference Mixed Design of Integrated Circuits and Systems* (MIXDES), Wrocław, Poland, 24-26 June 2010, pp. 425-430.

07/2005 "Mario Sannino" award at the Meeting of Italian Electronics Group for the contribution "Caratterizzazione completa di GaAs HEMT: prestazioni DC ed LF, parametri di scattering e parametri di rumore e loro dipendenza dalla temperature," A. Caddemi, G. Crupi, N. Donato, F. Catalfamo, *Riunione annuale del Gruppo Elettronica* (GE), Giardini Naxos (ME), Italy, 30 June - 2 July 2005.

05/2004 "Student Travel Grant" awarded by IES Student Activities Committee to participate to the conference IEEE-ISIE 2004 for the contribution "Bias and temperature dependent modeling of on wafer HEMT's by a direct and fast procedure," G. Crupi, N. Donato, *IEEE International Symposium on Industrial Electronics* (ISIE), Ajaccio, France, 4-7 May 2004, pp. 1543-1548.

CHAIR AND MEMBER OF TECHNICAL PROGRAM COMMITTEES FOR CONFERENCES

10/2015 Chair of the TPC of the *IEEE International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits* (INMMiC), Taormina, Italy, 1-2 October 2015

04/2014 Chair of the TPC of the *IEEE International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits* (INMMiC), Leuven, Belgium, 2-4 April 2014

09/2012-present Member of the TPC of the *IEEE International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits* (INMMiC)

02/2015-present Member of the TPC of the *IEEE International Conference on Advanced Technologies, Systems and Services in Telecommunications* (TELSIKS)

06/2019-present Member of the TPC of the *IEEE International Conference on Integrated Circuits, Technologies and Applications* (ICTA)

08/2023-present Member of the TPC of the *IEEE International Conference on Circuits and Systems* (ICCS)

02/2022-05/2022 Member of the TPC of the *IEEE Microwave Mediterranean Symposium* (MMS)

OTHER CONFERENCE ORGANIZATION ROLES

10/2022 Local Committee Member, *IEEE International Workshop on Metrology for the Sea* (MetroSea), Milazzo, Italy, 3-5 October 2022

06/2022 Special Sessions Chair, *IEEE International Symposium on Medical Measurements and Applications* (MeMeA), Giardini Naxos-Taormina, Italy, 22-24 June 2022

04/2014 Component of the Jury for the "Best Student Paper Award" supported by the GAAS Association, *IEEE International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits* (INMMiC), Leuven, Belgium, 2-4 April 2014

04/2014 Poster Session Chair, *IEEE International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits* (INMMiC), Leuven, Belgium, 2-4 April 2014

SESSION ORGANIZATION AND CHAIRING

10/2022 Chair of the Tutorial Session "Seafloor interdisciplinary observatories: A global vision for monitoring underwater processes, and submarine active volcanoes by technological enhancement and new scientific results", *IEEE International Workshop on Metrology for the Sea* (MetroSea), Milazzo, Italy, 3-5 October 2022

06/2022 Chair of the Special Session "Advanced Micro Devices and Systems for Next Generation of Miniaturized Neuro-Transducers", *IEEE International Symposium on Medical Measurements and Applications* (MeMeA), Giardini Naxos-Taormina, Italy, 22-24 June 2022

10/2021 Organizer and Chair of the Special Session "Bioelectronic Applications of RF and Microwaves," *IEEE International Conference on Advanced Technologies, Systems and Services in Telecommunications* (TELSIKS), Nis, Serbia, 20-22 October 2021

10/2019 Organizer and Chair of the Special Session "Bioengineering Applications of Microwave Techniques," *IEEE International Conference on Advanced Technologies, Systems and Services in Telecommunications* (TELSIKS), Nis, Serbia, 23-25 October 2019

10/2019 Organizer and Chair of the Special Session "Electromagnetics in Biomedical Applications and Healthcare," *IEEE International Conference on Advanced Technologies, Systems and Services in Telecommunications* (TELSIKS), Nis, Serbia, 23-25 October 2019

05/2019 Organizer of the Workshop "Advances in Smart Modeling Techniques for Microwave Engineering," *European Microwave Conference in Central Europe* (EuMCE), Prague, Czech Republic, 13-15 May 2019

10/2011 Organizer and Chair of the Workshop "From De-embedding to Waveform Engineering," *European Microwave Week* (EuMW), Manchester, UK, 9-14 October 2011

10/2008 Session Chair of the Workshop "Advances in Characterization and Modeling of Emerging Low-Power and High-Power Devices," *European Microwave Week* (EuMW), Amsterdam, Netherlands, 27-31 October 2008

09/2007 Session Chair, *IEEE International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Service* (TELSIKS), Nis, Serbia, 26-28 September 2007

INVITED LECTURES AND SEMINARS

09/2023 Invited Webinar title: "Connecting technologies to applications for humanity's benefit: GaN HEMT modeling based on microwave and mm-Wave measurements," Workshops on "Evolution of Transistor and Emerging Research Devices" supported by IEEE EDS as part of the "Celebration of 75 Years of Invention of the Transistor," Delhi, India, 21 September 2023

08/2020 Invited Webinar title: “Empowering measurement-based FET models: Going towards higher frequencies,” 2020 International Workshop on “(Sub)mmW Components, Measurement and Applications,” China, 10-11 August 2020

02/2007 Invited Lecture title: “Implementation of non-linear model based on lookup table approach”, 3rd TARGET Winter School on “CAD Implementation of Non-Linear Device Model and Advanced Measurements,” Santander, Spain, 19-23 February 2007 (ISBN 978-84-8102-452-4)

REVIEWER ACTIVITIES

Over more than 20 years of academic career, he has served as a reviewer for over 80 prestigious international journals (including 19 IEEE Transactions/Journals, and numerous titles from Wiley, Elsevier, Springer Nature, Taylor & Francis, IOP Publishing, IET, Cambridge University Press, and MDPI, along with other leading scientific publishers), major conferences, and international books for publishers such as Academic Press (Elsevier), Artech House, and John Wiley & Sons. He acted as an External Expert Reviewer for national and international research agencies and institutions, including the Romanian National Research Council (CNCS) through the Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), the Science Fund of the Republic of Serbia, the NIST (National Institute of Standards and Technology, USA) through the BERB (Boulder Editorial Review Board), and the Italian FAR research projects for UniMoRe, as well as an evaluator for the IEEE MTT-S Undergraduate/Pre-Graduate Scholarship Program.

PUBLICATION SUMMARY

International Journals: 214 (9 Editorial, 8 Invited, 6 Feature, 2 Review, 1 Call for Papers, 15 Education News)

- IEEE - Transactions on Microwave Theory and Techniques: 17
- IEEE - Microwave and Wireless Technology Letters: 16
  formerly IEEE - Microwave and Wireless Components Letters
- IEEE - Microwave Magazine: 15
- IEEE - Transactions on Instrumentation and Measurement: 4
- IEEE - Transactions on Computer-Aided Design of Integrated Circuits and Systems: 3
- IEEE - Transactions on Power Electronics: 1
- IEEE - Transactions on Electron Devices: 1
- IEEE - Transactions on Circuits and Systems I: Regular Papers: 1
- IEEE - Transactions on Circuits and Systems II: Express Briefs: 1
- IEEE - Transactions on Aerospace and Electronic Systems 1
- IEEE - Journal of Biomedical and Health Informatics: 1
- IEEE - Open Journal of Circuits and Systems 1
- IEEE - Sensors Journal: 1
- IEEE - Access: 4
- IEEE - Journal of the Electron Devices Society: 3
- IEEE - Instrumentation & Measurement Magazine: 1
- IEEE - Journal of Electromagnetics, RF, and Microwaves in Medicine and Biology: 1
- IEEE - Sensors Letters: 1
- Wiley - International Journal of Numerical Modelling: Electronic Networks, Devices and Fields: 44
- Wiley - Microwave and Optical Technology Letters: 13
- Wiley - International Journal of RF and Microwave Computer-Aided Engineering: 9
- Wiley - International Journal of Circuit Theory and Applications: 2
- Elsevier - Solid-State Electronics: 9
- Elsevier - Microelectronic Engineering: 4
- Elsevier - Microelectronics Journal: 3
- Elsevier - Materials Science in Semiconductor Processing: 1
- Elsevier - Microelectronics Reliability: 1
- Elsevier - AEU - International Journal of Electronics and Communications 1
- IOP Publishing Ltd. - Semiconductor Science and Technology: 2
- IOP Publishing Ltd. - Engineering Research Express: 1
- IET - Electronics Letters: 2
- IET - Circuits, Devices & Systems: 2
- Cambridge University Press - International Journal of Microwave and Wireless Technologies: 1
- MDPI - Electronics: 15
- MDPI - Sensors: 4
- MDPI - Micromachines: 4
- MDPI - Chemosensors: 1
- MDPI - Instruments: 2
- Springer - Silicon: 3
- Springer - Transactions on Electrical and Electronic Materials: 2
- Springer - Journal of Materials Science: Materials in Electronics: 1
- Taylor & Francis - International Journal of Remote Sensing: 1
- Taylor & Francis - International Journal of Electronics: 1
- The Royal Society of Chemistry - Physical Chemistry Chemical Physics: 1
- INOE Publishing House - Journal of Optoelectronics and Advanced Materials: 1
- IMEKO - Acta IMEKO: 3
- Italian Physical Society - Il Nuovo Cimento C 1
- Serbia and Montenegro IEEE MTT-S Chapter - Microwave Review: 3
- University of Belgrade - Journal of Automatic Control: 1
- University of Banja Luka - Electronics: 1
- ISRAMT - International Journal of Microwave and Optical Technology: 1

Conferenze Internazionali: 110 (9 Invited)

- IEEE International Conference on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS): 25
- IEEE International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits (INMMiC): 12
- IEEE International Symposium on Medical Measurement and Applications (MeMeA): 8
- European Microwave Integrated Circuits Conference (EuMIC): 4

- IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering (MetroXRAINE): 4
- IEEE International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST): 4
- IEEE International Workshop on Metrology for the Sea (MetroSea): 3
- IEEE Automatic RF Techniques Group Conference (ARFTG) : 3
- International Conference Mixed Design of Integrated Circuits and Systems (MIXDES): 3
- IEEE International Conference on Microelectronics (MIEL): 4
- International Microwave Symposium (IMS): 2
- IEEE Instrumentation and Measurement Technology Conference (IMTC): 2
- IEEE Mediterranean Microwave Symposium (MMS): 2
- IEEE International Workshop on Metrology for AeroSpace (MetroAeroSpace): 2
- IEEE International Conference on Integrated Circuits, Technologies and Applications (ICTA): 2
- IMEKO TC-4 International Symposium: 2
- IEEE MTT-S International Wireless Symposium (IWS): 1
- IEEE United Conference on Millimetre Waves and Terahertz Technologies (UCMMT): 1
- IEEE International Conference on Metrology for Archaeology and Cutural Heritage (MetroArchaeo): 1
- IEEE Symposium on VLSI Technology: 1
- IEEE International Conference on Emerging Electronics (ICEE): 1
- IEEE International Symposium on Industrial Electronics (ISIE): 1
- IEEE International Conference on Microwaves, Radar, and Wireless Communications (MIKON): 1
- IEEE International Workshop on Metrology for Green Technologies, Renewable Energy and Ecological Sustainability (IEEE MetroGREENST): 1
- IEEE International Workshop on Metrology for Living Environment (MetroLivEnv): 1
- IEEE International Conference on Circuits and Systems (ICCS): 1
- IEEE Calcutta Conference (CALCON): 1
- International Symposium on SiO_2 Advanced Dielectrics and Related Devices (SiO2): 1
- International Symposium on Microwave and Optical Technology (ISMOT): 1
- International Conference Semiconductor Dresden (SCD): 1
- European Radar Conference (EuRAD): 1
- Symposium on Neural Network Applications in Electrical Engineering (NEUREL): 1
- AIP Proceeding on the 20th International Conference on Noise and Fluctuations (ICNF): 1
- Conference for Electronics, Telecommunications, Computers, Automatic Control and Nuclear Engineering (ETRAN): 1
- International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD): 1
- International Microwave Symposium (IMS) Workshop on “Parameter Extraction Strategies for Compact Transistor Models”: 1
- Automatic RF Techniques Group Conference (ARFTG) Workshop on “Nonlinear measurements to investigate memory effects of RF transistors and active devices”: 1
- European Microwave Week (EuMW) Workshop on “Advanced in Characterization and Modeling of Emerging Low-Power and High-Power Devices”: 1
- European Microwave Week (EuMW) Workshop on “From De-embedding to Waveform Engineering”: 1
- European Microwave Conference in Central Europe (EuMCE) Workshop on “Advances in Smart Modeling Techniques for Microwave Engineering” : 1
- International Workshop on High Temperature Superconductors in High Frequency and Fields (HTSHFF): 1
- International MOS-AK Meeting: 1
- Materials for Advanced Metalization: 1
- TARGET Winter School on CAD Implementation of Non-Linear Device Model and Advanced Measurements: 1

BIBLIOMETRIC INDICATORS

- **ORCID-ID:** **0000-0002-6666-6812**
- **Number of publications, number of citations, h-index (Scopus):** **301, 4000, 34**
- **Number of publications, number of citations, h-index (ISI Web of Science):** **274, 3274, 32**

MAIN RESEARCH AREAS

- Characterization/modeling of microwave electronic devices for wireless communication applications
- Characterization/modeling of microwave sensors for bioengineering and healthcare applications

INTERNATIONAL JOURNALS

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