



IEEE@UNICAL

1st International Workshop - Organizers: Prof. Sandra Costanzo and Prof. Giancarlo Fortino

June 27 2024, Aula Caldora - Università della Calabria

9.00 AM: Opening

Prof. Giancarlo Fortino (IEEE Fellow and Associate VP of Cybernetics - SMC society), University of Calabria, Italy, **Prof. Sandra Costanzo** (IEEE Senior Member and Vice-Chair of the MTT-28), University of Calabria, Italy, **Mr. Bharat Lal** (Ph.D. student and Chair of the IEEE Student Branch of Unical), University of Calabria, Italy.

9.30 AM: Workshop on Microwaves and Technologies for Biomedical Applications—session 1

“Health Aspects of Millimeter-Wave Radiation in 5G and Beyond”, **Prof. Abbas Omar** (IEEE Fellow and Member of IEEE MTT-28), Otto-von-Guericke-Universität Magdeburg, Germany.

“Preclinical Studies of Biomedical Radar Sensors”, **Prof. Changzhi Li** (IEEE Fellow and IEEE MTT TC-28 Member), Texas Tech University, U.S.A.

10.30 AM: Coffee Break

11.00 AM: Workshop on Microwaves and Technologies for Biomedical Applications—session 2

“Brain stroke imaging at microwaves”, **Prof. Francesca Vipiana** (IEEE Senior Member and IEEE Diversity, Equity, Inclusion and Belonging Committee Vice-Chair), Politecnico di Torino, Italy.

“Graphene-Based Devices for THz Applications”, **Dr. Patrizia Lamberti** (IEEE Senior Member and Chair WIE AG IEEE Italy section), Università degli Studi di Salerno, Italy.

12.00 PM: WIE Workshop

“M&S Activities in IEEE SMC society”, **Prof. Mariagrazia Dotoli** (IEEE Fellow and VicePresident of SMCS Membership & Student Activities), Politecnico di Bari, Italy.

“IEEE WIE Activities”, **Dr. Patrizia Lamberti** (IEEE Senior Member and Chair WIE AG IEEE Italy section), Università degli Studi di Salerno, Italy.

“Women in Engineering: Research and Experiences”, **Prof. Karen Panetta** (IEEE Fellow and Editor-in-chief of IEEE WIE Magazine), Tufts University, U.S.A.

1.30 PM: Lunch

3.30 PM: SMC Workshop session 1

“Particle Swarm Optimizers with Mobile Robots as Particles: A Novel Paradigm for Effective Optimization”, **Prof. Mengchu Zhou** (IEEE Fellow and Chair of TC on AI-based Smart Manufacturing Systems of SMC), New Jersey Institute of Technology, U.S.A.

“Situation Awareness for Intelligent Systems”, **Dr. Giuseppe D'Aniello** (IEEE Senior Member and IEEE Italy Chapter vice-Chair), Università degli Studi di Salerno, Italy.

4.30 PM: Coffee Break

5.00 PM: SMC Workshop session 2

“Enhancing Integration and Interoperability of Cooperative, Connected and Automated Mobility”, **Prof. MariaPia Fanti** (IEEE Fellow and Founder Chair of the TC on Automation in Logistics of RAS), Politecnico di Bari, Italy.

“Automatic Speech Recognition in Adverse Acoustic Conditions”, **Prof. Antonio Liotta** (IEEE Senior Member and IEEE SMC Member), Free University of Bozen, Italy.