

IEEE @ UNICAL

2nd International Workshop

may 29th, 2025

Aula Caldora - University of Calabria

8.30 | Registration

9.00 | 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

Prof. Stefania Perri

(IEEE Senior Member) University of Calabria, Italy

9.30 | Plenary Session: “AI-Based Computational Methods for Biomedical Microwave Imaging and Diagnostics”

Invited Speaker: Prof. Andrea Massa

(IEEE Fellow) University of Trento & ELEDIA Research Center, Italy

10.30 | Poster Session

11:30 | Panel Session 1: “AI and Technologies for Medicine”

Coordinator: Prof. Sandra Costanzo

Panelists:

Prof. Pierangelo Veltri

(IEEE Member) - DIMES – University of Calabria, Italy

“Biomedical techniques for biomedical data: perspectives and directions”

Prof. Antonella Guzzo

(IEEE Senior Member) DIMES – University of Calabria, Italy

“Navigating Multimodal Imaging: Challenges and Innovations in AI Model Development for Healthcare”

Prof. Antonio Curcio

(ESC Fellow, Chair of the WG on Telemedicine and e-Health of the Italian Society of Cardiology)

DFSSN – University of Calabria, Italy

“AI in Heart Failure Monitoring”

Dr. Pierangela Bruno

(IEEE Member) DEMACS – University of Calabria, Italy

“Deep Learning in Advanced Cardiovascular Imaging”

14:00 | Panel Session 2: “AI-Driven Automation & Robotics”

Coordinator: Prof. **Giancarlo Fortino**

Panelists:

Prof. **Giuseppe Franze'**

(IEEE Senior Member) DIMEG – University of Calabria, Italy

“Constrained Control of Multi-Vehicle Systems for Smart Cities and Industry 4.0: from Model Predictive Control to Reinforcement Learning”

Prof. **Loredana Zollo**

(IEEE Senior Member) Campus Biomedico Rome, Italy

“AI-driven solutions for healthcare robotics”

Prof. **Giuseppe Carbone**

(IEEE Member) DIMEG – University of Calabria, Italy

“Innovative Robot Design and Applications: Possibilities of Shaping the Future of Robotics with IA”

Prof. **Silvia Siri**

(IEEE Senior Member) University of Genoa, Italy

“Autonomous mobile robots for freight and logistics: models and algorithms for optimal dispatching and smart charging”

15:00 | PhD Poster Session

16.00 | Plenary Session “Decision and Control Strategies for Smart Energy Communities”

Invited Speaker: Prof. **Mariagrazia Dotoli**

(IEEE Fellow and VicePresident of SMCS Membership & Student Activities) Politecnico di Bari, Italy

17.00 | Closing

Organizing Committee

Prof. **Sandra Costanzo** - Chair

(IEEE Senior Member and Vice-Chair of the MTT-28) DIMEG – University of Calabria, Italy

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