



IEEE
Medical
Measurements &
Applications
Eindhoven, The Netherlands
June 26 - 28, 2024



CALL FOR PAPERS

IMPORTANT DATES

March 11, 2024

Initial Full Paper Submission Deadline

March 27, 2024

Author Acceptance Notification

April 19, 2024

Final Paper Submission Deadline

ORGANIZING COMMITTEE

GENERAL CHAIR

Massimo Mischi

Eindhoven University of Technology

GENERAL CO-CHAIR

Zaccaria Del Prete

Sapienza, University of Rome

TECHNICAL PROGRAM CHAIRS

Sabrina Grassini

Politecnico di Torino

Simona Turco

Eindhoven University of Technology

Eduardo Palermo

Sapienze, University of Rome

SPECIAL SESSION CHAIRS

Luca Lombardo

Politecnico di Torino

Elisabetta Peri

Eindhoven University of Technology

TUTORIAL CHAIRS

Lorenzo Scalise

Università Politecnica delle Marche

Catarina Dinis Fernandes

Eindhoven University of Technology

INDUSTRY LIAISON CHAIRS

Noortje Bax

Eindhoven University of Technology

Edwin Heijman

Eindhoven University of Technology

LOCAL ARRANGEMENT CHAIR

Sunita Bunyadi

Eindhoven University of Technology

The 19th edition of the IEEE International Symposium on Medical Measurements and Applications will take place in Eindhoven, the Netherlands.

The symposium focuses on all aspects of interactions relating to instrumentation and measurement, bio-engineering, material science, chemical and biological measurements, and leveraging Signal/Data Processing and Artificial Intelligence for accelerating solutions in the medical field. The symposium enables researchers, healthcare professionals, technicians, and engineers to exchange ideas and information and make connections and collaborations towards advancing innovation on health care systems and diagnostics in medicine.

SYMPOSIUM TOPICS

- » Bioengineering and rehabilitation
- » Biomedical robotic methods
- » Optical and photonic biosensing
- » Hearing, acoustics, infrasonics and ultrasonics
- » Internet of Things (IoT) in Medicine
- » Metrology for medical measurements and instrumentation calibration
- » Sensors and devices for medical measurements
- » Biosignal processing
- » Medical Image Formation and Analysis
- » Measurement and quality control in medical preparations
- » Patient safety
- » Standards for medical applications
- » Embedded systems
- » Environmental Medicine & Home automation for disability, disease and active aging living
- » Artificial Intelligence for Biosignal Processing and Analysis
- » Wearable solutions for patient monitoring
- » Physiological modeling and monitoring

SUBMISSION

Authors are invited to submit an original full paper (4-6 pages) reporting original researches of theoretical or applied nature using the on-line submission system. The submission should explain the significance of the contribution and contain a list of key references. The manuscripts must be written in English according to the guidelines provided on the web site: memea2024.ieee-ims.org.

Conference content will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

Attending people are encouraged to propose Special Sessions on topics of interest, specifying the focus for the session before **December 31, 2023**.

SPECIAL SECTION OF IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT

A Special Section on MeMeA 2024 will be published in IEEE Transactions on Instrumentation and Measurement (TIM). All papers accepted, registered, and presented in MeMeA are eligible to submit a technically extended version to this Special Section. Each manuscript should meet the scope of the TIM.

