

IEEE International Microwave Biomedical Conference



University of Calabria

Rende (CS) Italy

April 26-29, 2026

Organizing Committee

General Chair

Sandra Costanzo

Technical Program Co-Chairs

Emily Porter,
Dominique Schreurs,
Abbas Omar
Francesca Apollonio

Finance Chair

Marco Mercuri

Awards Committee Chair

Emanuele Cardillo

Focus and Special Sessions Chair

Changzhi Li

Publication Chair

Micaela Liberti

Industry Chair

Luciano Tarricone

Young Professionals Chairs

Emily Porter,
Simona Di Meo

Website Chair

Giovanni Buonanno

Executive Committee

J.- C. Chiao (Chair), S. Costanzo,
Abbas Omar, Katia Grenier,
Alessandra Costanzo, Robert
Caverly, Yong Xin Guo, Dominique
Schreurs, Changzhi Li, Milica
Popovic, Marco Mercuri, Luciano
Tarricone, Simona Di Meo,
Emanuele Cardillo, Francesca
Apollonio, Micaela Liberti

CALL FOR PAPERS

The 2026 IEEE International Microwave Biomedical Conference (IMBioC 2026) will be held on April 26-29, 2026, in Cosenza, Italy in person. IMBioC is an international forum to exchange ideas and information on the state-of-the-art research in RF and microwaves, antennas and electromagnetic theory and technology, that bridge the science and engineering gap as applied to biomedical systems. IMBioC 2026 is organized by University of Calabria. IMBioC 2026 is the continuation of a series of IEEE MTT-S biomedical focused events held in Kaohsiung (2025), Montreal (2024), Leuven (2023), Suzhou (2022), Toulouse (2020), Nanjing (2019), Philadelphia (2018), Gothenburg (2017), Austin (2016), Taipei (2015), San Diego (2015), London (2014), Newport Beach (2014), Singapore (2013), Austin (2013), Santa Clara (2012) and Phoenix (2011). IMBioC 2026 will feature both invited and contributed papers. Distinguished researchers will be invited to deliver keynote speeches on technology trends and significant advances in relevant topics. Contributed papers are solicited for the topics as listed below.

Important dates:

Paper submission

› **Dec 20, 2025**
firm deadline

Paper notification

› **Jan 30, 2026**

Final manuscript

› **Mar 4, 2026**

Topics of interest include, but are not limited to:

- RF/microwave/THz circuits and systems for biomedical applications
- Antennas and propagation for biomedical applications
- Bio-Electromagnetics
- Electromagnetic imaging and magnetic resonance imaging
- Radar and radio sensor applications for biomedical applications
- Wireless power transfer and wireless communication technologies for biomedical applications
- Wearable and bio-implantable antennas and wireless devices
- Interaction of electromagnetic fields with biological materials at the tissue, cellular and molecular levels
- Pathological, physiological and biochemical studies with electromagnetic waves
- Electromagnetic safety studies and regulatory compliance

Paper submission

Authors are invited to submit three-page manuscripts in PDF format. All papers must be written in English and describe clearly the concept and results. The template is available on the IMBioC's website. Papers submitted will be peer reviewed. All papers presented at the conference will be submitted to IEEE Xplore.

Best Student Paper contest

A "Best Student Paper" award will be presented at the conference. The awards committee will judge the papers on originality, significance, technical soundness, and presentation. To qualify, the author must be a full-time student who presents the paper as the first author.

Special Issue in IEEE J-ERM

Authors presenting at IMBioC 2026 are invited to submit an expanded version of their accepted papers