



IEEE International Microwave Biomedical Conference IEEE-IMBioC 2020

May 25-28, 2020

Mercure Toulouse Compans Cafarelli, Toulouse, France

<https://imbio-c-ieee.org/>

Submission deadline extended to Feb. 10, 2020

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The 2020 International Microwave Biomedical Conference (IMBioC 2020) will be held on May 25-28, 2020 in the Hotel Mercure Compans Cafarelli, Toulouse, France. IMBioC is an international forum for the exchange of ideas and information on state-of-the-art research in microwave and RF theory and techniques that bridge the science and engineering gap as applied to biological systems. During the conference, some workshops and special sessions including Young Professionals (YP) and Women in Microwave (WiM) events will be organized, while an exhibition will be held simultaneously.

IMBioC 2020 invites you to submit original contributions in the following non-exclusive tracks:

- > Biological and medical applications of microwave and RF systems
- > Microwave imaging, Magnetic Resonance Imaging (MRI)
- > Radiometry, thermography, cellular and molecular spectroscopy
- > Interaction of electromagnetic fields with biological materials and modelling
- > Pathological, physiological and biochemical studies with EM waves
- > Computational methods and models for bio-electromagnetics
- > Electromagnetic safety studies and regulatory compliance
- > Antennas and sensors for wireless implants
- > Implantable and wearable diagnostic and therapeutic systems
- > RF and microwave integrated circuits for biomedical applications
- > Radar for remote or noninvasive monitoring and tracking
- > Wireless communication and wireless power transfer for BAN
- > Biomedical sensors, devices and instrumentation utilizing EM waves
- > Internet of Thing (IoT) for biomedical applications
- > Other related topics

Paper submission:

Authors are invited to submit 3-page manuscripts in PDF format. All papers must be written in English and clearly describe the concept and results. The template is available on the IMBioC website. Papers submitted will be peer reviewed. All presented papers at the conference will be included in IEEE Xplore, pending quality review.

Best Student Paper contest:

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

Important dates:

- > **Paper submission: Feb. 10, 2020**
- > Paper notification: March 10, 2020
- > Final manuscript due: March 23, 2020

Special Issue in IEEE J-ERM:

Authors presenting at IMBioC 2020 are invited to submit an expanded version of their papers to a special issue in the IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology (J-ERM): <http://iee-jerm.org>.

