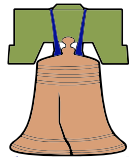




IEEE International Microwave Biomedical Conference IEEE-IMBioC 2018



IMBioC®

June 14-15, 2018

Pennsylvania Convention Center, Philadelphia, USA

www.imbioc-ieee.org

Submission Deadline: February 7, 2018

General Chair

J.-C. Chiao, Univ. of Texas – Arlington

General Co-Chair

Arye Rosen, Rowan University

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Invited Papers Chairs

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James Hwang, Lehigh University

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Perry Li, St. Jude Medical

Local Arrangements Chairs

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Mindedal

The 2018 International Microwave Bio-Conference (IMBioC 2018) will be held on June 14-15, 2018 in the Pennsylvania Convention Center, Philadelphia, USA. It will be co-located with the 2018 International Microwave Symposium (IMS) as part of the 2018 Microwave Week. 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. This conference is an ideal forum for sharing new ideas on emerging techniques and applications.

Topics of interest include but not limited to:

- RF and microwave integrated circuits for biomedical applications;
- Antennas and sensors for wireless implants;
- Microwave imaging, magnetic resonance imaging (MRI)
- Radiometry, thermography, cellular and molecular level spectroscopy;
- The interaction of electromagnetic fields with biological materials;
- Pathological, physiological and biochemical studies with EM waves;
- Computational methods and models for bio-electromagnetics;
- Electromagnetic safety studies and regulatory compliance;
- Implantable and wearable diagnostic and therapeutic systems;
- Radar for remote or noninvasive monitoring and tracking;
- Wireless communication and wireless power transfer for BAN;
- Biomedical sensors, devices and instrumentation utilizing EM waves.

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: February 7, 2018
- Paper notification: February 28, 2018
- Final manuscript due: March 7, 2018

Special Issue in IEEE J-ERM:

Authors presenting at IMBioC 2018 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://ieee-jerm.org>.

