ENGINEERING in MEDICINE and BIOLOGY

41st EMB CONFERENCE 2019

July 23–27

BERLIN

CALL FOR PAPERS

BIOMEDICAL ENGINEERING RANGING FROM WELLNESS TO INTENSIVE CARE MEDICINE

The IEEE Engineering in Medicine and Biology Society is pleased to announce the 41st International Engineering in Medicine and Biology Conference, to be held in Berlin, Germany from July 23–27, 2019. The overarching theme is "Biomedical engineering ranging from wellness to intensive care". Consistent with our theme, we have arranged plenary keynotes from leading academic and industrial scientists, who will present aspects of innovation and translational engineering in biomedicine. The scientific tracks will cover the standard topics of the EMBS technical committees and additional themes added by the German, Swiss, and Austrian BME societies. Beside the scientific sessions, the congress exhibition will show biomedical companies, start-ups, biomedical institutes, universities, and provide networking opportunities for engineers, clinicians, other scientists, entrepreneurs and students. Cutting-edge research and innovation in biomedical engineering, healthcare technology and medical informatics will all be covered in this large congress. The conference program consists of mini symposia, workshops, invited sessions, oral and poster sessions, sessions for students and young professionals, sessions for clinicians and entrepreneurs, and a large exhibition. The conference will benefit from Berlin, which is currently developing toward a major healthcare hub in Germany with three universities, the Berlin Institute of Health (BIH), Healthcapital, and more than 100 regional companies active in the healthcare business.

ORGANIZING COMMITTEE

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Conference Co-Chairs
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Mohamad Sawan Montreal, Canada

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Workshop Coordinator
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tba

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Günter Schreier Vienna, Austria
Daniel J. Strauss Homburg a. d. Saar, Germany
Masaru Sugimachi Fujishirodai, Japan
May Wang Atlanta, United States
Eung Je Woo Seoul, Korea

IMPORTANT DATES – PROPOSAL SUBMISSION

Special Sessions & Workshops/Tutorials Proposals	
Submission deadline	November 15, 2018
Accept/reject notification	December 6, 2018
1-Page Papers (Invited Sessions/Mini-Symposia)	
Submission deadline	January 24, 2019
Accept/reject notification	February 13, 2019
Final submission deadline	February 28, 2019
Full Papers	
Submission deadline	February 5, 2019
Accept/reject notification	April 5, 2019
Final submission deadline	April 17, 2019
1-Page Papers (Research Poster Papers)	
Submission deadline	April 12, 2019
Accept/reject notification	April 23, 2019
Final submission deadline	April 30, 2019

TOPICS

01. Biomedical Signal Processing
02. Biomedical Imaging and Image Processing
03. Micro/Nano-bioengineering and Cellular/Tissue Engineering & Biomaterials
04. Computational Systems, Modeling and Simulation in Medicine, Multiscale Modeling, Synthetic Biology
05. Cardiovascular and Respiratory Systems Engineering
06. Neural and Rehabilitation Engineering
07. Biomedical Sensors and Wearable Systems
08. Bio-Robotics and Biomechanics
09. Therapeutic and Diagnostic Systems and Technologies
10. Biomedical and Health Informatics
11. Biomedical Engineering Education and Society
12. Translational Engineering for Healthcare Innovation and Commercialization
13. Pharmaceutical Engineering and Drug Delivery Systems
14. Smart Implants

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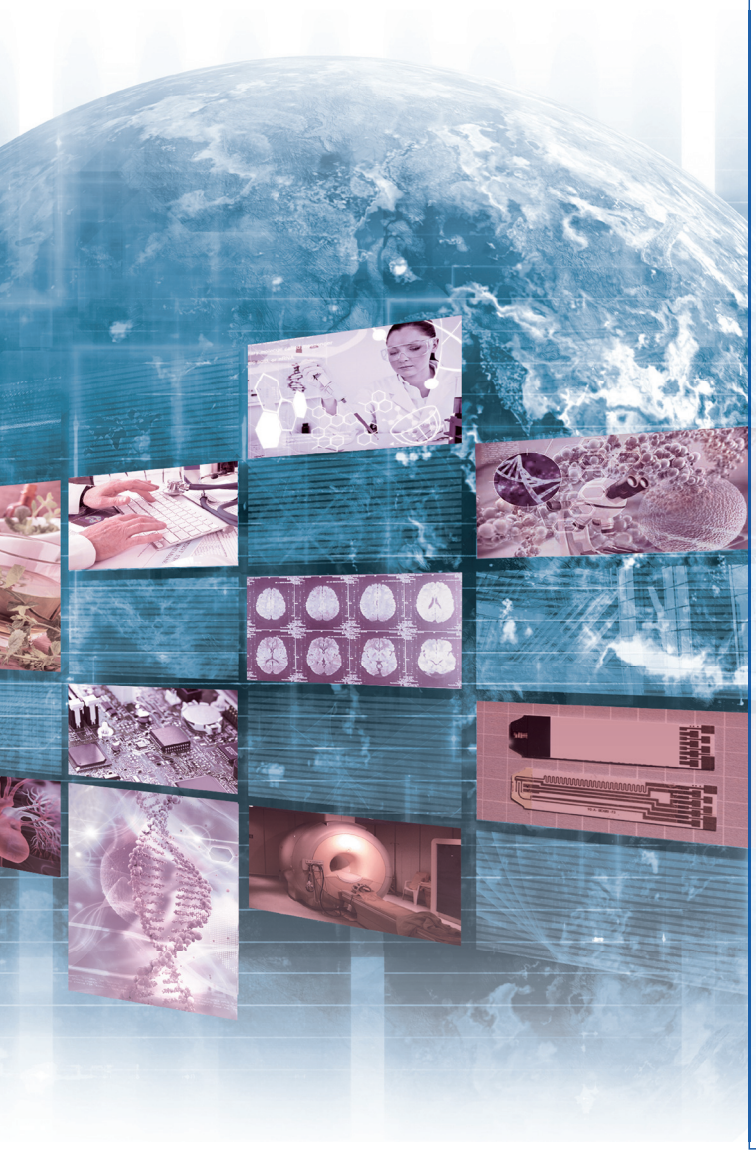
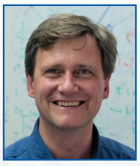


KEYNOTE SPEAKERS

Joe E. Kiani*
Masimo Corporation
Irvine, United States



Klaus-Robert Müller
Technical University of Berlin
Berlin, Germany

Vasilis Ntziachristos
Technical University of Munich (TUM)
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Sensory-Motor Systems Lab, IRIS, ETH Zurich
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Tobias Schaeffter
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