



## 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 41<sup>st</sup> 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, health-care 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.

#### KEYNOTE SPEAKERS



Klaus-Robert Müller  
Technical University of Berlin  
Berlin, Germany



Vasilis Ntziachristos  
Technical University of Munich (TUM)  
Munich, Germany



Robert Riener  
Sensory-Motor Systems Lab, IRIS, ETH Zurich  
Zurich, Switzerland



Tobias Schaeffter  
Physikalisch-Technische Bundesanstalt (PTB)  
Berlin, Germany



Katja Schenke-Layland  
University Hospital, University of Tübingen  
Tübingen, Germany

#### ORGANIZING COMMITTEE

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Thomas Penzel Charité – University Medicine Berlin, Germany

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May Wang The Georgia Institute of Technology, Atlanta, United States  
Eung Je Woo Kyung Hee University, Seoul, Korea

#### TOPICS

Biomedical Signal Processing  
Biomedical Imaging and Image Processing  
Micro/Nano-bioengineering and Cellular/Tissue Engineering  
Biomaterials  
Computational Systems, Synthetic Biology  
Modeling and Simulation in Medicine, Multiscale Modeling  
Cardiovascular and Respiratory Systems Engineering  
Neural and Rehabilitation Engineering  
Biomedical Sensors and Wearable Systems  
Bio-Robotics and Biomechanics  
Therapeutic and Diagnostic Systems and Technologies  
Biomedical and Health Informatics  
Biomedical Engineering Education and Society  
Translational Engineering for Healthcare Innovation and Commercialization  
Pharmaceutical Engineering and Drug Delivery Systems  
Smart Implants and Cochlear Implants

#### IMPORTANT DATES – PROPOSAL SUBMISSION

Special Sessions & Workshops/Tutorials Proposals  
Submission opens August 1, 2018  
Submission deadline November 15, 2018  
Accept/reject notification December 6, 2018

1-Page Papers (Invited Sessions/Mini-Symposia)  
Submission opens August 1, 2018  
Submission deadline January 24, 2019  
Accept/reject notification February 13, 2019  
Final submission deadline February 28, 2019

Full Papers  
Submission opens August 1, 2018  
Submission deadline February 5, 2019  
Accept/reject notification April 5, 2019  
Final submission deadline April 17, 2019

1-Page Papers (Research Poster Papers)  
Submission opens August 1, 2018  
Submission deadline April 12, 2019  
Accept/reject notification April 23, 2019  
Final submission deadline April 30, 2019

