

ENGINEERING in  
MEDICINE and BIOLOGY

July 23-27  
41<sup>st</sup> **EMB** CONFERENCE 2019  
BERLIN

## BIOMEDICAL ENGINEERING RANGING FROM WELLNESS TO INTENSIVE CARE MEDICINE

### Speakers



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[EMBC.EMBS.ORG/2019](http://EMBC.EMBS.ORG/2019)



Swiss Society  
for Biomedical Engineering



Österreichische Gesellschaft  
für Biomedizinische Technik  
American Society for  
Biomedical Engineering



# 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, 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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May Wang Atlanta, United States

Eung Je Woo Seoul, Korea

### IMPORTANT DATES – PROPOSAL SUBMISSION

#### Special Sessions & Workshops/Tutorials Proposals

Submission deadline November 30, 2018

Accept/reject notification December 6, 2018

#### 1-Page Papers (Invited Sessions/Mini-Symposia)

Submission deadline January 31, 2019

Accept/reject notification February 13, 2019

Final submission deadline February 28, 2019

#### Full Papers

Submission deadline February 19, 2019

Accept/reject notification April 12, 2019

Final submission deadline April 24, 2019

#### 1-Page Papers (Research Poster Papers)

Submission deadline April 17, 2019

Accept/reject notification April 25, 2019

Final submission deadline May 2, 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