

# Bi+CAS 2018

Biomedical Circuits and Systems Conference

Advanced Systems for Enhancing Human Health

Cleveland, Ohio, USA | October 17-19, 2018



## ORGANIZERS

### GENERAL CO-CHAIRS

**Pedram Mohseni, Ph.D.**

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### TECHNICAL PROGRAM CO-CHAIRS

**Maysam Ghovanloo, Ph.D.**

Georgia Institute of Technology, USA

**Timothy Constandinou, Ph.D.**

Imperial College London, UK

**Jun Ohta, Ph.D.**

Nara Institute of Science and Technology,  
Japan

## IMPORTANT DATES

**Monday, April 23, 2018**

Special Session Proposal Deadline

**Monday, June 11, 2018**

Regular Paper Submission Deadline

**Monday, July 16, 2018**

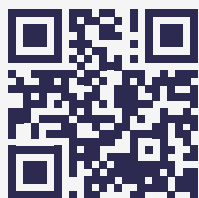
Live Demo Submission Deadline

**Monday, August 13, 2018**

Author Notification Date

**Friday, August 31, 2018**

Author Registration/Final Paper  
Submission Deadline



Please visit:

[www.biocas2018.org](http://www.biocas2018.org)

## CALL FOR PAPERS

BioCAS 2018 is a premier international forum for presenting the interdisciplinary research and development activities at the crossroads of medicine, life sciences, physical sciences and engineering that shape tomorrow's medical devices and healthcare systems.

This conference brings together members of our communities to broaden their knowledge in emerging areas of research at the interface of the life sciences and the circuits and systems engineering. The three-day single-track program for BioCAS 2018 is multidisciplinary in topics including but not limited to:

### Biomedical Technologies

- Assistive, Rehabilitation, and Quality of Life Technologies
- Biofeedback, Neuromodulation, and Closed-Loop Systems
- Bio-Inspired and Neuromorphic Circuits and Systems
- Biosensor Devices and Interface Circuits
- Biotelemetry and Energy Harvesting/Scavenging Circuits and Systems
- Body Area/Sensor Network and Wireless/Wearable Health Monitoring
- Electronics for Neuroscience
- Implantable Medical Electronics
- Lab-on-Chip and BioMEMS
- Point-of-Care Technologies for Healthcare

### Biomedical Applications

- Biomedical Imaging and Image Processing
- Biosignal Recording, Processing, and Machine Learning
- Genomics and Systems Biology
- Human-Machine Interfaces
- Medical Information Systems and Bioinformatics

### Submission Guidelines

The complete 4-page paper (in standard IEEE double-column format), including the title, authors' names, affiliations and e-mail addresses, as well as a short abstract and an optional demonstration video link (3 minute max) are requested. Papers must be submitted electronically in PDF format through [www.biocas2018.org](http://www.biocas2018.org).

### Confirmed Keynote Speakers

**Michael Roukes, Ph.D.**

Robert M. Abbey Professor of Physics, Applied Physics, and Biological Engineering  
California Institute of Technology, USA

**Andrew DeHennis, Ph.D.**

Director, Engineering, R&D  
Senseonics, Inc., USA

