

Bi+CAS 2019

Biomedical Circuits and Systems Conference

Intelligent Symbiosis of Man and Machine to Improve Health

Nara, Japan | October 17-19, 2019

Call for Tutorials

The BioCAS 2019 Organization Committee invites proposals for Tutorials to be conducted on October 17, 2019, the first day of the **2019 IEEE Biomedical Circuits and Systems Conference (BioCAS 2019)** in Nara, Japan. Each tutorial presentation should last ~1.5 hours, including Q&A.

Tutorials are an integral function of the BioCAS Conference where presenters have the opportunity to share their expertise on a specific topic with fellow researchers and those who wish to discover this topic. We are soliciting proposals for topics of academic and industrial/applied interests. These topics may be established or may be emerging, with profound and/or new insights that are best articulated by means of an oral presentation. Most importantly, tutorials should be interesting, with lively interaction with the attendees – interesting and fun!

BioCAS 2019 is particularly interested in tutorial topics related to the conference theme: **Intelligent symbiosis of man and machine to improve health**. Tutorials in all the following areas of biomedical circuits and systems are welcomed:

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
- Human-Machine Interfaces
- Medical Information Systems and Bioinformatics

Tutorial Proposals

Please submit your tutorial proposal by email to all Tutorial Co-Chairs, with copy to Conference Manager, Judy Scharmann, j.scharmann@conferencecatalysts.com. The proposal should include a (maximum) two-page description of the tutorial (see below for details) and one-page professional biography of you that highlights **your qualifications, track record in the proposed subject area of the tutorial, and relevant previous tutorial/keynote/invited talks**. Your two-page tutorial proposal should contain the following information:

1. **Title and Abstract:** Propose a title and an abstract that allows conference attendees to quickly and accurately understand the subject matter of the tutorial.
2. **Motivation and Focus:** Explain why your topic is important to the BioCAS community and what you hope the participants will learn by attending your tutorial. In this section, please provide a syllabus outlining the content of the tutorial and the learning outcomes. This syllabus should be realistic, given the 1.5 hours available.
3. **Basic Structure of the Tutorial:** In this section, please describe your proposed use of the available time (~1.5 hours, including Q&A).

BioCAS 2019 Tutorial Co-Chairs

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Important Dates

Tutorial Proposal Submission Deadline: **March 1, 2019**
Tutorial Proposal Acceptance Notification: **March 15, 2019**
Submission of Final Tutorial Slides: **October 1, 2019**