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**