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.biocas2017.org.

This conference will enable 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 2017 is multidisciplinary in topics including but not limited to:

- Assistive, Rehabilitation, and Quality of Life Technologies
- Bio-inspired and Neuromorphic Circuits and Systems
- Biofeedback, Electrical Stimulation, and Closed-Loop Systems
- Biomedical Imaging Technologies & Image Processing
- Biosensor Devices
- Biosensor Interfacing Circuits
- Biosignal Recording & Processing
- Body Area/Sensor Network
- Brain Machine Interfaces
- Electronics for Brain Science
- Genomics and Systems Biology
- Implantable Electronics
- Innovative Circuits for Medical Applications
- Lab-on-Chip & BioMEMS
- Medical Information Systems and Bioinformatics
- Wireless and Energy Harvesting/Scavenging Technology

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Keynote Speakers

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  Harvard Medical School & Spaulding Rehabilitation Hospital, Boston, USA

- Georges Gielen
  Full Professor
  Department of Electrical Engineering, KU Leuven, Belgium

- Roy Katso
  Director Open Innovation & Funding Partnerships
  Galvani Bioelectronics, United Kingdom

- Gianluca Pettiti
  President
  Thermo Fisher Scientific China, Shanghai, China

Important Dates

April 21, 2017 – Special Session Proposal Deadline
June 16, 2017 – Paper Submission Deadline
July 14, 2017 – Demonstration Proposal Submission Deadline
August 11, 2017 – Author Notification
September 1, 2017 – Author Registration

As a parallel workshop within BioCAS’17, FoodCAS has been organized as the first reference meeting for stakeholders engaged in developing the edge technologies for food production, preparation, monitoring and preservation.