



OCT. 19-21

Bi+CAS 2017

THE EDGE OF TOMORROW IN mHEALTH

TURIN

BIOSENSORS
CIRCUITS
AUTONOMOUS BIOSYSTEMS
DESIGN & MODELING
COMMUNICATION



CALL FOR PAPERS

BioCAS 2017 serves as a premier international forum for presenting the interdisciplinary research and development activities at the crossroads of medicine, life sciences, physical sciences and engineering that will shape tomorrow's medical devices and healthcare systems.

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

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.



Keynote Speakers

Paolo Bonato
Associate Professor
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.

Organizing Committee

General Chair

• Danilo Demarchi
Politecnico di Torino – Italy

Technical Program Chairs

- Sandro Carrara
École Polytechnique Fédérale de Lausanne (CH) – Switzerland
- Pedram Mohseni
Case Western Reserve University – USA
- Fernando Corinto
Politecnico di Torino – Italy

FoodCAS Co-Chair

• Mohamad Sawan
Polytechnique Montreal – Canada



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