

CALL FOR PAPERS



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Restoring Vital Functions by Electronics – Achievements, Limitations, Opportunities, and Challenges

IEEE BioCas is a premier international forum for presenting 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.

The conference brings together members of our communities to broaden their knowledge in emerging areas at the interface of the life sciences and the circuits and systems engineering. The three-day single-track program for BioCAS 2021 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
- Human-Machine Interfaces
- Medical Information Systems and Bioinformatics

IMPORTANT DATES

Monday, April 12, 2021

Special Session Proposal
Deadline

Monday, May 31, 2021

Regular Paper Submission
Deadline

Monday, July 4, 2021

Live Demo Submission Deadline

Monday, August 2, 2021

Author Notification Date

Sunday, August 22, 2021

Final Paper Submission Deadline

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 ieee-biocas.org.

Please visit:

ieee-biocas.org