

REV2018

Special Session 'Biomedical Engineering'

Biomedical Engineering plays an important role together with Cyber-Physical Systems and Internet of Things. The general objective of this special session is to contribute and discuss present research, applications and experiences in the multi-disciplinary field of Biomedical Engineering, trying to bridge the gap between engineering academic developments and the technological medicine needs, fostering for advances in health care (diagnosis, monitoring and physical therapy), occupational therapy and disability support resources.

Chairs of the Special Session's Program Committee:

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Important dates:

December 03, 2017 –Submission Deadline for complete papers

December 23, 2017 - Notification of acceptance

January 28, 2018 - Author registration and camera-ready due

March 21, 2018 – Conference Opening

Topics of Interest:

Automation Technology for Medical Applications

Big Data in Medicine

Biomedical Devices

Biomedical Micro and Nano Systems

Biosensors

Biosignal Processing

Clinical Engineering and Hospital Technology

Collaboration tools such as social media, web apps, patient education

Data Analytics, Data Mining and Machine Learning

Devices and Systems for Remote Surgical Intervention

Electronic Healthcare

Haptics in Healthcare

Health Data Acquisition, Management and Visualization

Robotics in Health

ICT in Biomedical sciences

Interactive 3-D Models

Medical Apps

Medical Image Processing

Remote Monitoring

Training in Medicine with Augmented and Virtual Reality apps

Using Virtual and Augmented Reality in Medical Diagnosis, Treatment and Therapy

Telemedicine

eHealth, mHealth

Program Committee

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