



CALL FOR PAPERS
EHB 2019 – IEEE INTERNATIONAL CONFERENCE ON
E-HEALTH AND
BIOENGINEERING
7-th edition

Iași, Romania
November 21-23, 2019

Venues:

Grigore T. Popa University of Medicine and Pharmacy, Iași, Romania
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- *Grigore T. Popa University of Medicine and Pharmacy, Iași, Romania (UMF)*
 - Faculty of Medical Bioengineering (FBIM)
- *The Romanian Society of Medical Bioengineering (SRBM), Iași*
- *Institute of Computer Science of Romanian Academy Iași Branch*
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- *IEEE-EMB Romania Chapter*
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 - *IEEE-EMC Romania Chapter*
 - *IEEE Signal Processing Romania Chapter*
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Aim and goals

The main objective of EHB 2019 is to cover a broad spectrum of up-to-date topics of e-Health and Medical Bioengineering by giving the opportunity to scientists from diverse fields to participate in the presentation, discussion and evaluation of the latest advances, research challenges, and opportunities in hardware/software technologies, medical devices / instrumentation, biosignal and image processing, biomaterials, biomechanics, biotechnologies, and for some younger domains like bioinformatics, micro and nanotechnologies, systems biology or virtual physiological human. Active participation from research scientists, students, business professionals, and medical system leaders is also expected to generate productive ideas, links between industry and academia and partnerships for national and European programs.

Topics

- *Medical records, clinical, epidemiological and multimedia data bases*
- *Medical imaging, image processing and analysis*
- *Biosignal processing*
- *Hospital information systems and healthcare networks*
- *Telemedicine, e-health and telecommunications*
- *Wearable systems and sensors, m-health and p-health systems*

- *Internet in healthcare and medical web portals*
- *Decision support systems and artificial intelligence in medicine*
- *Bioinformatics*
- *Computational biology*
- *Biomechanics*
- *Biomaterials*
- *Micro and nanotechnology for medicine*
- *Medical physics and biophysics*
- *Biochemistry and Chemistry applied in medicine*
- *Medical devices and equipment*
- *Measurement and instrumentation in bioengineering*
- *Health technology assessment*
- *Rehabilitative and assistive technologies*
- *Electromagnetic compatibility*
- *Biotechnologies in medicine*
- *Instrumental analysis and Laboratory technologies*
- *Molecular bioengineering*
- *Bioengineering in dental and oral health*
- *Multimedia applications for medical and healthcare education and e-learning*
- *Systems biology*
- *Modeling and simulation methodologies*
- *Virtual physiological human*
- *Neurosciences*
- *Management and marketing in healthcare*
- *Ethical and legal aspects of e-health and telemedicine*
- *Environmental protection and management. Impacts on health and safety*
- *Biomedical sciences communication and career development*

Workshops:

- *New Approaches in Respiratory Care*
- *New advances in motor-recovery neurotechnology by means of Brain-Computer Interfaces, Functional Electrical Stimulation and Exoskeletons*
- *Mechanical, Aerospace and Biomedical Engineering*
- *Assistive technologies for people with disabilities*
- *Medicine and informatics*

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Papers submission and presentation

Full and original papers should be 4 pages in length, in IEEE conference style. *Important date:* your *full papers* are due on-line till *October 25-th* on EasyChair-EHB website. The reviewed, selected and presented papers at conference venue will be indexed in IEEE Xplore® data base and submitted to Clarivate Analytics (former Conference Proceedings Citation Index, Thomson Reuters, WoS) data base.

Conference fees

300 EUR / 200 EUR (900 RON, for students)

Logistic Organizer

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