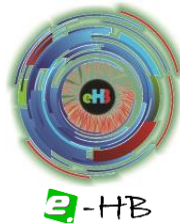


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8-th edition
EHB 2020



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Aim and goals

The main objective of EHB 2020 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;*
- *Systems biology, neurosciences;*
- *Bioengineering in dental and oral health;*
- *Multimedia applications for medical and healthcare education and e-learning;*
- *Modeling and simulation methodologies;*
- *Virtual physiological human;*
- *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:

- *Design of devices and methods for clinical practice;*
- *Biomechanical & Electronics Technologies with Aerospace Applications;*
- *Advances in motor-recovery neurotechnology by means of Brain-Computer Interfaces, Functional Electrical Stimulation and Exoskeletons;*
- *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 **1st of September 2020** on EasyChair-EHB website. The reviewed, selected and presented papers at conference venue will be indexed in IEEE Xplore® data base and submitted to World of Science (Clarivate Analytics, former Conference Proceedings Citation Index, Thomson Reuters) data base.

Conference fees

- **200 EUR / 1000 RON – normal fee for first paper, +50 EUR/250 RON for second paper.**
- **150 EUR / 750 RON – fee for IEEE members for first paper, +50 EUR/250 RON for second paper.**
- **150 EUR / 750 RON – fee for students for first paper, +50 EUR/250 RON for second paper.**