



GRIGORE T. POPA UNIVERSITY OF
MEDICINE AND PHARMACY IASI



FACULTY OF
MEDICAL BIOENGINEERING



CALL FOR PAPERS EHB 2022 – IEEE INTERNATIONAL CONFERENCE ON

E-HEALTH AND BIOENGINEERING

10-th edition



e-HB

EHB 2022

Iași, Romania
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ONLINE & ON-SITE Conference

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- *Institute of Computer Science of Romanian Academy Iași Branch*
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- *IEEE-EMB Romania Chapter*
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Aim and goals

The main objective of EHB 2022 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 robotics and actuators;*
- *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;*
- *Cloud computing;*
- *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;*
- *Biometrics, Forensics and Security;*
- *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;*
- *Psychology and Health;*
- *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 and Special Sessions:

- *Design of Devices and Methods for Clinical Practice;*
- *New Advances in Motor-Recovery Neurotechnology by Means of Brain-Computer Interfaces, Functional Electrical Stimulation and Exoskeletons;*
- *Sensors, Data and AI for Crop Health Monitoring;*
- *Medicine and Informatics.*

Organizing Committee

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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 10th** on EasyChair-EHB website. The reviewed, selected and presented papers at conference venue (or online) will be indexed in IEEE Xplore® data base and submitted to World of Science (Clarivate Analytics, former Conference Proceedings Citation Index, Thomson Reuters) and SCOPUS data bases.

Conference fees for online presentation

- 280 EUR (1400 RON) – Normal fee;
- 220 EUR (1100 RON) – Student fee;
- 250 EUR (1250 RON) -- IEEE membe fee;

The second paper will be charged with 150 EUR (750 RON). These fees are available only for the first two papers and for online presentation.

Conference fees for on-site presentation

- 350 EUR (1750 RON) – Normal fee;
- 290 EUR (1450 RON) – Student fee;
- 320 EUR (1600 RON) -- IEEE membe fee;

The second paper will be charged with 150 EUR (750 RON). These fees are available only for the first two papers and for on-site presentation.

Authors of the best papers with specific topics will be invited to complete their articles with new outcomes, in order to be submitted to Sensors or Biosensors Journals:



The banner for the Sensors journal special issue features a teal background with a white grid pattern. At the top left is the Sensors logo, and at the top right are two circular icons: a yellow one with 'IMPACT FACTOR 3.847' and a purple one with 'Indexed in: PubMed'. The text in the center reads 'Selected Papers from 2022 IEEE International Conference on e - Health and Bioengineering'. Below this, it lists the 'Guest Editors' as Prof. Dr. Hariton-Nicolae Costin, Dr. Cristian Rotariu, and Dr. Monica Fira. The 'Deadline' is set for 17 April 2023. At the bottom, the URL 'mdpi.com/si/139370' is provided on the left, and 'Invitation to submit' is on the right. The word 'Specialissue' is written in large, white, stylized letters across the bottom.



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https://www.mdpi.com/journal/sensors/sections/biomedical_sensors

https://www.mdpi.com/journal/biosensors/special_issues/E641IOL248

Of course, other new papers are also welcome for these journals.