



Advances in the internet of biological and medical things (AdIoBMT)

Organizing Chairs:

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Programme Committee:

TBC

Important dates:

Paper submission: Jul 30, 2023
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Camera-ready submission: Sep 29, 2023
Presentation submission: Oct 2, 2023

Description:

The Internet of Things (IoT) has already made significant contributions to the fields of biology and medicine. However, the Internet of Biological and Medical Things (IoBMT) takes a step further by integrating the IoT with biological and medical devices, such as wearable sensors, implantable devices, and medical instruments. The Special Session in “Advances in the internet of biological and medical things” (Spes-03)) will bring together researchers, practitioners, and experts from various fields to share their knowledge and insights on the latest advances and trends in the field of medical and biological IoT.

Topics of Interest:

To ensure a wide coverage of the advances in the IoBMT fields, the special session will cover the following topical areas (but not limited to):

- Telemedicine and mobile telemedicine
- Advanced signal processing for e-Health
- Big data analytics for healthcare
- Biomedical and biosensors engineering
- Sensing of vital signs and signatures
- Analysis and management of electronic health records
- Wearable medical wireless sensors
- Wireless coverage and interference issues in e-Health applications
- Health monitoring and traffic characterization
- Artificial intelligence and machine learning for healthcare
- Energy saving for long time monitoring
- In-body medical sensor communications
- Communication protocols and algorithms for e-Health
- Molecular sensor communications
- e-Health-oriented software architectures
- Context awareness and autonomous computing for AAL (Ambient Assisted Living)
- Autonomic diagnosis and situation awareness (Fall, Activity, etc.)
- Health and wellness measurement, monitoring and intervention
- Security, trust and privacy in e-Health
- Future mobile networks for healthcare (beyond 5G networks)
- Emerging e-Health applications
- Future technologies for digital medicine
- Mobile and cloud computing for e-Health
- Health information systems and interoperability
- Context and content aware based e-Health systems
- e-Health systems based on social technologies
- Health grid and health cloud
- ICT-enabled healthcare system
- Internet of Things (IoT) for e-Health
- e-Health systems for integrated care
- Future technologies for the health of the aging brain
- Image, audio, and video processing for e-Health



Paper Submission:

All papers must be submitted through eWorks. You must choose the Special

Session track Spes-03, when submitting your paper in order to be considered for this Special Session. The paper should be up to six (6) pages in length. The conference allows up to two additional pages for a maximum length of eight (8) pages upon payment of extra page fees once the paper has been accepted.

The paper can be prepared using the template available through the Authors / Proposers tab from the WF-IoT conference website main page at:

<https://wfiot2023.iot.ieee.org>.

An alternative is to use the IEEE Word or Latex tools that can be found through:

<https://conferences.ieeeauthorcenter.ieee.org/write-your-paper/authoring-tools-and-templates/>.

Authors of accepted papers will need to provide a final version of your paper in PDF format and upload it by the camera-ready deadline and complete the assignment of copyright and release form. For your paper to be included in the proceedings and published in IEEE Xplore, at least one author is required to register for WF-IoT 2023 by the deadline.

More information on the workshop:

<https://wfiot2023.iot.ieee.org/advances-internet-biological-and-medical-things-adiobmt>