Hybrid Event:
(On-site In-person Presentation & Virtual Presentation)

Barcelona, Spain
August 23-25, 2021
https://coinsconf.com

Call for Papers

e-Health and Wearable IoT Track

IEEE COINS is the premier conference devoted to omni-layer techniques for smart IoT systems, by identifying new perspectives and highlighting impending research issues and challenges. The e-Health and Wearable IoT track at IEEE COINS seeks the latest research advancements in the convergence of automation technology, artificial intelligence, biomedical engineering, wearable and mobile computing, Internet-of-Things, and healthcare. Topics of interest include, but are not limited to, the following:

- Internet of things for medical and healthcare applications
- Mobile and e-Health sensing
- Wearable, outdoor and home-based sensors
- Novel devices and circuits, and architectural support for e-health
- Printable electronics
- Harvesting management and optimization
- Nano-CMOS and Post-CMOS based sensors, circuits, and controller
- Wearable and implantable computing and biosensors
- Cloud-enabled body sensor networks
- Secure middleware for eHealth and IoT
- Energy-efficient PHY/MAC and networking protocols for eHealth applications
- Reprogrammable and reconfigurable embedded systems for eHealth
- eHealth traffic characterization
- eHealth oriented software architectures (Agent, SOA, Middleware, etc.)
- Big-data analytics, machine learning algorithms, and scalable/parallel/distributed algorithms
- Theory and practice of engineering semantic e-health systems, especially methods, means and best cases
- Fog computing/Edge clouds for health care cloud resource allocation and monitoring
- Privacy-preserving and Security approaches for large scale analytics
- Fault tolerance, reliability, and scalability
- Case studies of smart eHealth architectures (telemedicine applications, health management applications, etc.)
- Autonomic analysis, monitoring and situation alertness

Track Chair

Amir M. Rahmani, University of California, Irvine, USA

Amir Aminifar, Lund University, Sweden

Technical Program Committee

Hsi-Pin Ma, National Tsing-Hua University, Taiwan

Pasi Liljeberg, University of Turku, Turku, Finland

Nikil Dutt, University of California, Irvine, USA

Ankesh Jain, IIT Delhi, India

Axel Jantsch, TU Wien, Austria

Kunal Mankodiya, University of Rhode Island, USA

Anil Kanduri, University of Turku, Turku, Finland

Nima TaheriNejad, TU Wien, Austria

Geng Yang, Zhejiang University, China

Hassan Ghasemzadeh, Washington State University, USA

Tinoosh Mohsenin, University of Maryland, Baltimore County, USA

Elisabetta Farella, FBK, Italy

Hang Cao, University of California, Irvine, USA

Paolo Perego, Polytechnique de Milano, Italy

Gert Jervan, Tallinn University of Technology, Estonia

Submission of Regular Papers and Special Session Papers
April 30, 2021

Notification of Paper Acceptance
June 30, 2021