

# COINS 2020

## IEEE International Conference on Omni-layer Intelligent systems

### e-Health and Wearable IoT Track

Call for Papers

July 27-29, 2020  
Barcelona, Spain  
<https://coinsconf.com>




#### e-Health and Wearable IoT Track

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 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


#### Key Dates

 March 06  
Submission of Regular Papers and Special Session Papers  
**March 06, 2020**

 Nov. 21  
Submission of Special Sessions proposal  
**Nov. 21, 2019**

 May 06  
Notification of Paper Acceptance  
**May 06, 2020**

 Nov. 30  
Notification of Proposal Acceptance  
**Nov. 30, 2020**

 May 16  
Camera-Ready Submission  
**May 16, 2020**

#### Organizing Committee

##### Track Chair

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Hassan Ghasemzadeh, Washington State University, USA

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