

Call for Papers

The 2nd IEEE International Workshop on Emerging Technologies for Pervasive Healthcare and Applications (ETPHA 2017)

Dalian, China, 12-15 October 2017

Workshop Chairs:

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Scope:

Recent advances in sensing, computing, communication and networking technologies have paved the way to dangle unprecedented pervasive healthcare applications and services. For example, body sensor networks (BSNs) employ numerous miniaturized, portable, and autonomous sensing devices in, on, or around the body for pervasive health monitoring such as predicting contingency abnormal condition and treatment of chronic diseases including diabetes and hypertension. Moreover, BSNs can help in determining context-aware psychological classification (e.g., personality type, mood, psychological condition) in real-time based on physiological parameters (e.g. body temperature, heart rate, blood pressure, perspiration, and brain impulses), which can revolutionize human-interactions. Other potential applications may include activity scheduling based on circadian rhythms, social network computing, interactive gaming, driver drowsiness detection, and entertainment.

Nonetheless, enormous amount of critical data (Big Data) collected through various BSN nodes require fast, reliable, on-demand, scalable, secure, and powerful communication (e.g., 5G) and computing infrastructure (e.g., cloud computing). However, integration of these technologies introduces new social, legal, technical and security challenges.

The aim of this workshop is to foster high quality original, unpublished research papers that articulate recent advancements on the domain. Accepted and duly presented workshop papers will be published in the IEEE Healthcom Conference Proceedings and indexed in IEEE Xplore (<http://ieeexplore.ieee.org/>), the IEEE digital repository. Moreover, extended version of selected high quality papers will be invited for exclusive consideration in the special issues of well-recognized domain journals besides EAI Transactions on Pervasive Health and Technology.

Potential topics include, but are not limited to:

- Emerging communication and networking technologies (e.g. 5G, BSN, RFID) for pervasive healthcare
- Cloud-assisted BSNs
- Architectures, protocols, algorithms, and standards for pervasive healthcare
- Integration of communication and networking technologies for pervasive healthcare
- Governance issues and solutions for e-health and m-health
- Sensing, communication, networking and actuation technologies

- E-health and m-health applications and services
- Privacy, security, trust and survivability in pervasive healthcare
- Healthcare services in smart environments including smart homes, medical centres and smart cities)
- Quality of Service (QoS) for e-health applications and services.

Submission Guidelines:

Papers have to follow IEEE format requirements and have to be written in English. Full details of submission procedure are available at: <http://ieeehealthcom2017.com/call-for-submission>.

Submission Link: <https://edas.info/newPaper.php?c=22367>

Important Dates:

Paper submission deadline: **25 July 2017**

Notifications: **31 Aug. 2017**

Camera Ready submission: **12 Sept. 2017**

Potential List of Invited Speakers:

- Athanasios Vasilakos, Lulea University of Technology, Sweden
- Muhammad Ali Imran, University of Surrey, UK

TPC Members:

- Ansar-Ul-Haque Yasar, Hasselt University, Belgium
- Kashif Saleem, King Saud University, Saudi Arabia
- Guangjie Han, Hohai University, China
- Kemal Akkaya, Florida International University, USA
- Dongkyun Kim, Kyungpook National University, Korea.
- Nadir Shah, COMSATS Institute of Information Technology, Wah Campus, Pakistan
- Tanvir Zia, Charles Sturt University, Australia
- Irfan Awan, University of Bradford, UK
- Mohsin Iftikhar, Charles Sturt University, Australia
- Muhammad Hassan Raza, Dalhousie University, Halifax, Canada.
- Mahamat Issa Hassan, University of Birmingham, United Kingdom
- Seungmin Rho, Sungkyul University, South Korea
- Sana Ullah, Polytechnic Institute of Porto, Porto, Portugal
- Zahoor Khan, Dalhousie University, Canada