

# CALL FOR PAPERS

## 10th EAI International Conference on Pervasive Computing Technologies for Healthcare

16-19 May, 2016 – Cancun, Mexico

[www.pervasivehealth.org](http://www.pervasivehealth.org)



### Keynote speakers:

Prof. Tanzeem Choudhury, Cornell University, USA

Prof. Alex Mihailidis, University of Toronto, Canada

### Theme

Pervasive Health Conference is a premier international forum with specific focus on technologies and human factors related to the use of ubiquitous computing in healthcare and for wellbeing. The overall goal of the Pervasive Health Conference is to take a multidisciplinary approach to Pervasive Healthcare Technology research and development.

We welcome contributions from the following fields:

- Sensing/Actuating Technologies and Pervasive Computing
- Medicine, Nursing, and Allied Health Professions
- Human-Computer Interaction (HCI) and Computer Supported Cooperative Work (CSCW)
- Hardware and Software Infrastructures

We seek novel, innovative, and exciting work in areas including but not limited to:

#### Pervasive Healthcare Management

- Challenges surrounding data quality
- Standards and interoperability in pervasive healthcare
- Business cases and cost issues
- Security and privacy issues
- Training of healthcare professional for pervasive healthcare
- Legal and regulatory issues
- Staffing and resource management

#### Understanding Users

- Identifying and addressing stakeholder needs
- Usability and acceptability
- Barriers and enablers to adoption
- Social implications of pervasive health technology, and social inclusion
- Coverage and delivery of pervasive healthcare services
- Patient and caregiver empowerment
- Diversity: population and condition-specific requirements
- Inclusive research and design: engaging underrepresented populations
- Digital interventions and health behavior change

#### Knowledge Representation and Reasoning

- Physiological models for interpreting medical sensor data
- Activity recognition and fall detection
- User modelling and personalization
- Modelling of Pervasive Healthcare environments
- Sensor-based decision support systems
- Design and evaluation of patient and ambient-related sensors
- Wearable and implantable sensor integration
- Data fusion in pervasive healthcare environments

### Important dates

Abstract for Full/short Paper Deadline	January 11 <sup>th</sup> , 2016
Full/short Paper Submission Deadline	January 17 <sup>th</sup> , 2016
Acceptance Notification	February 29 <sup>th</sup> , 2016
Camera-ready Deadline	March 11 <sup>th</sup> , 2016
Workshop Proposals Deadline	January 12 <sup>th</sup> , 2016
Workshop Proposals Notification	January 29 <sup>th</sup> , 2016

### Organizing committee

#### Symposium Chairs

Jesus Favela, CICESE, Mexico  
Nadir Weibel, University of California, San Diego, USA

#### TPC Chairs

Jesse Hoey, University of Waterloo, Canada  
Aleksandar Matic, Telefonica I+D, Spain  
Geraldine Fitzpatrick, Vienna University of Technology, Austria

#### Steering Committee

Imrich Chlamtac, Create-Net, Italy  
Oscar Mayora, Create-Net, Italy  
Upkar Varshney, Georgia State University, USA  
Venet Osmani, Create-Net, Italy

#### Workshop Co-Chairs

Christopher Nugent, University of Ulster, UK  
Felipe Orihuela-Espina, INAOE, Mexico

#### Posters and Demos Chairs

Mads Frost, IT University of Copenhagen, Denmark  
Jina Huh, University of California, San Diego, USA

Endorsed by

Technical cosponsors

Conference by

EAI Endorsed Transactions



**About EAI** - The European Alliance for Innovation is a dynamic eco-system for fostering ICT enabled innovation to improve European competitiveness and to benefit society. Find out more at <http://www.eai.eu>.

- Data mining of medical patient records
- Software architectures
- Electronic Health Records

#### Applications

- Autonomous systems to support independent living
- Clinical applications, validation and evaluation studies
- Telemedicine and mHealth solutions
- Chronic disease and health risk management applications
- Health/Wellbeing promotion and disease prevention
- Home based health and wellness measurement and monitoring
- Continuous vs event-driven monitoring of patients
- Smart homes and hospitals
- Using mobile devices in the storage, update, and transmission of patient data
- Wellbeing and lifestyle support
- Systems to support individuals with auditory, cognitive, or vision impairments
- Systems to support caregivers

#### Student Competition Chairs

Bert Anrich, Boğaziçi University Istanbul, Turkey  
Luis Castro, ITSON, Mexico

#### Publication Chairs

Özlem Durmaz İncel, Galatasaray University, Turkey  
Layla Michan, CICESE, Mexico

#### Doctoral Colloquium Chairs

Katie Siek, Indiana University, USA  
Monica Tentori, CICESE, Mexico

#### Local Chairs

Marcela Rodriguez, UABC, Mexico  
Luis Castro, ITSON, USA  
Raymundo Cornejo, Northwestern University, USA

#### Web Chair

Netzahualcoyotl Cruz, CICESE

## Paper Submission

Pervasive Health 2016 will accept submissions in the following categories:

- Full papers (up to 8 pages including references)
- Short Papers (up to 4 pages including references)
- Posters (up to 4 pages including references)
- Demos (2 pages)
- Workshop proposals (2 pages)
- Doctoral Colloquium (4 pages)

Full papers should describe novel and mature work, and are limited to 8 pages including references. Short papers should describe more focused and succinct, but mature work. Pervasive Health will not accept papers that are currently under review, published or accepted in another venue.

Papers should be submitted through EasyChair system <https://easychair.org/conferences/?conf=pervasivehealth2016>

All submissions must be anonymised. No identifying information on Authors or their affiliation should appear on the paper (except for neutral references to their own work).

Please check [the submission page](#) for all submission details and templates.

## Reviewing Process and Publication

Each paper will be blind, peer-reviewed by members of the Pervasive Health 2016 program committee with additional expert reviewers drawn from relevant research domains. Submissions will be evaluated based on their originality, significance of the contribution to the field, technical correctness and presentation. The paper should make explicit how the work offers unique and substantial contribution beyond what has already been published or submitted. Authors will be invited to submit their camera-ready papers in ACM format, to be published in **ACM Digital Library**. Proceedings are also submitted for inclusion to the leading indexing services: **DBLP**, **Google Scholar**, **Thomson Scientific ISI Proceedings**, **El Elsevier Engineering Index**, **CrossRef**, **Scopus**, as well as ICST's own **EU Digital Library (EUDL)**. In the previous years, the acceptance rate of the Pervasive Health Conference was around **30%**.

For any further information please do not hesitate to contact the Pervasive Health 2016 committee:  
[pervasivehealth2016@gmail.com](mailto:pervasivehealth2016@gmail.com)

Endorsed by



Technical cosponsors



Conference by



EAI Endorsed Transactions



**About EAI** - The European Alliance for Innovation is a dynamic eco-system for fostering ICT enabled innovation to improve European competitiveness and to benefit society. Find out more at <http://www.eai.eu>.