



pHealth 2016

*13th International Conference on
Wearable, Micro & Nano Technologies
for Personalized Health*

29-31 May, FORTH, Heraklion, Crete, Greece

Call for Papers

<http://www.phealth2016.eu>

pHealth 2016 opens a new chapter in the success story of the series of international conferences on wearable or implantable micro, nano and biotechnologies for personalized health. Starting in 2003 with personal health management systems, pHealth has continuously extended its scope evolving to a truly interdisciplinary event by covering technological and biomedical facilities, legal, ethical, social, and organizational requirements and impacts, as well as necessary basic research for enabling the future proof care paradigms. Thereby, pHealth increasingly combines medical devices and eHealth based services with public health, prevention, social and elderly care, wellness and personal fitness to establish participatory, predictive, personalized, preventive, and effective care settings. Smart mobile systems, eHealth and telemedicine have become important enablers for ubiquitous pervasive health as the next generation health services. Social media and gamification has added even further knowledge to pHealth both as a business domain and as a community safety-net.

pHealth 2016 conference aims to further emphasize on the integration of biology and medical data, systems and information using mobile technologies through the development of micro-nano-bio smart systems for personalized health, virtual care, precision medicine, big bio-data management and analytics as well as security, privacy and safety issues.

We welcome you to the city of Heraklion on the beautiful island of Crete for the pHealth 2016 conference to share experiences and results and to open up for the future!

Following a long-term tradition, pHealth 2016 is supported by the European Federation for Medical Informatics (EFMI) as well as the HL7 International.

Conference Contributions

The conference is composed of Conference Keynotes, Session Keynotes, Full Paper Presentations, and Poster Presentations. The conferences will be opened by a few Conference Keynotes held by globally leading experts covering the innovation and complexity of the topics the conference deals with. Invited Session Keynotes will introduce into the session topics and the Full Papers and Posters presented there.

Awards

The scientific program committee will bestow the pHealth 2016 Best Paper Award. The winner will be proclaimed at the end of the conference. Additionally and beyond the regular paper submission process, a Best Student's Poster Contest will be performed. Students are cordially invited to join us for that competition by submitting poster proposals directly to the conference.

Publications

Regular submissions to pHealth 2016 include full papers only. Papers that tend to be better presented as posters will be recommended to the authors by the organizers.

Full Papers can be scientific papers, future vision papers or review papers related to methodologies and/or applications. The paper structure includes: title, names, and affiliations (city, state, and country) of all authors, abstract (up to 200 words), 4-6 keywords. The main text should have sections for introduction, methods, results, discussion, conclusions and references. The maximum length of a paper submission is **six** A4 camera-ready pages and should follow the formatting rules of the provided [IOS Press template](#). All submitted papers will be subject to a peer-review process. Accepted full papers will be included in the pHealth 2016 Proceedings published at IOS Press in the Series "Studies in Health Technology and Informatics".

Important Dates

- 21 February 2016**
Paper submission deadline
- 20 March 2016**
Notification of acceptance
- 3 April 2016**
Author registration
- 3 April 2016**
Re-submission of camera-ready papers
- 29-31 May 2016**
Conference Dates

The series is indexed in several databases including among others PubMed and MEDLINE. Submitters of accepted Full Papers that tend to be better presented as Posters and are therefore not included as oral presentations in the pHealth 2016 Scientific Program will be invited to prepare and present a Poster. The camera-ready three pages Poster Paper will be included in the IOS Proceedings.

Conference Venue

The pHealth 2016 Conference will be organized in the premise of FORTH, Heraklion, Crete, Greece (<http://www.imbb.forth.gr/>).

Paper Submission

All papers have to be submitted through the conference online system at:

<http://www.phealth2016.eu/submission>

Submissions for the Best Student's Poster Contest have to be directly submitted to the Conference Secretariat at info@phealth2016.eu.

Contact

If there are any questions, please do not hesitate to contact the Conference Secretary, Mrs. Georgia Choulaki at info@phealth2016.eu.

Topics

The conference organizers call for innovative paper submissions describing knowledge beyond the state of the art. Topics of interest in relation to the session structure include, but are not limited to:

Wearable and implantable devices and systems	Solutions for personalized care and nutrition
<ul style="list-style-type: none"> • Sensors, actuators and patient diagnostic systems • Biosignal processing and analysis • Bioelectrical and bio-impedance sensing techniques • Wireless body area network communication and computing • Multi-sensor data fusion • Sensor pattern recognition • Therapeutic systems 	<ul style="list-style-type: none"> • Addressing food safety and nutrition with smart systems • Personalized therapy and rehabilitation • Biomedicine and pHealth • Biomechanics, Bioelectronics, Biophotonics and pHealth • Personalized decision support systems • Artificial organs
Data and Knowledge Management and Methodologies	Security, Privacy, Safety and Ethics in pHealth
<ul style="list-style-type: none"> • Big (Bio)Data and the Quantified Self • Business Analytics and Visualization • Virtual Physiological Human and Gamification • Cloud services development and deployment 	<ul style="list-style-type: none"> • Trust and trustworthiness as enablers for pHealth • Security, privacy and ethics in pHealth • Experience with existing labelling systems • Future needs for regulation, certification and labelling
Interoperable ICT and Telemedicine	mHealth Applications
<ul style="list-style-type: none"> • Connected health and integrated care • Building large-scale interoperable electronic health systems • Remote care and care coordination with pHealth • Disease specific and emergency patient summaries • ePrescription and eDispensation • Personal Health Record systems • Intelligent data processing and predictive algorithms in eHealth and pHealth • Multi-scale and multi-level decision support systems • Integration of mobile and home telecare with IHE • Success stories and failure reports 	<ul style="list-style-type: none"> • mHealth and point of care diagnostics • Briging mHealth and pHealth applications • Inclusive user interfaces for pHealth • mHealth beyond care: lifestyle management • pHealth in Ambient Assisted Living for Active Healthy Aging • Mobile health and wellness Apps supporting new care paradigms

Looking forward to welcoming you all in Heraklion, Crete!

Prof. Nicos Maglaveras

on behalf of the pHealth2016 International Program Committee

Prof. Electra Gizeli

on behalf of the pHealth2016 Local Organizing Committee