
This conference was organized by the International Association for Development of the Information Society (IADIS) and co-organized by ISEP – Instituto Superior de Engenharia do Porto.

This conference focuses on the notion that the use of ICTs (Information and Communication Technologies) in Healthcare Services is the main mechanism to improve efficiency and effectiveness. Therefore, the e-Health 2019 conference aimed to draw together information systems, practitioners and management experts from all quadrants involved in developing computer technology to improve healthcare quality. Submissions were accepted under the following 3 main areas in the field of e-health: Research Issues, Management Issues and Applications.

The EH 2019 received 127 submissions from more than 26 countries. Each submission was anonymously reviewed by an average of three independent reviewers, to ensure that accepted submissions were of a high standard. Consequently, only 23 full papers were approved which meant an acceptance rate of 18%. A few more papers were accepted as short papers, reflection papers and posters.

Extended versions of the best papers were selected to be published in:

- the IADIS International Journal on WWW/Internet (IJWI). ISSN: 1645-7641

Besides the presentation of full, short and reflection papers and posters, the conference also included one keynote presentation by Prof. Dr. Miguel Coimbra, Faculdade de Ciências da Universidade do Porto (Porto University), Portugal.

**Keynote Presentation:**

**AI KNOCKING ON HEALTHCARE’S DOOR – A FEW GREAT EXAMPLES**

by Prof. Dr. Miguel Coimbra, Faculdade de Ciências da Universidade do Porto, Portugal
In general, this edition offered once again a great opportunity to all their participants to discuss with success the most significant aspects regarding the theme e-Health. It served as a forum that gathered researchers, practitioners, students and anyone that was working or studying in the field of ICTs in Healthcare Services.


**Volume Editor:** Mário Macedo  
**Computer Science and Information Systems Series Editors:** Piet Kommers and Pedro Isaías

**Program Committee Members:**

Abdel-Badeeh M Salem, Ain Shams University, Egypt  
Andreas Schrader, University of Lübeck, Germany  
Antonio Lanatà, University of Pisa, Italy  
Asa Smedberg, Stockholm University, Sweden  
Bert-Jan van Beijnum, University of Twente, Netherlands  
Bobak Jack Mortazavi, Texas A&M University, USA  
Bridget Kane, Karlstads University, Sweden  
David Isern, University Rovira I Virgili, Spain  
Edward de Quincey, Keele University, United Kingdom  
Eric Campo, Laas-cnrs, France  
Frederic Bousefsaf, Université de Lorraine, France  
Gayo Diallo, University of Bordeaux, France  
Georg Duftschmid, Medical University of Vienna, Austria  
George Okeyo, Jomo Kenyatta University of Agriculture and Techno, Kenya  
Guillaume Lopez, Aoyama Gakuin University, Japan  
Jan Vejvalka, Charles University, Czech Republic  
Jaspaljeet Singh, Universiti Tenaga Nasional, Malaysia  
Jesuk Ko, Gwangju University, South Korea  
Jolanta Masiak, Medical University of Lublin, Poland  
Jose Luis Sanchez, Laboratorio de Computadoras y Control, Spain  
Laurent Billonnet, Ensil - Université de Limoges, France  
Lenka Lhotska, Czech Technical University in Prague, Czech Republic  
Malina Jordanova, Bulgarian Academy of Sciences, Bulgaria  
Mario Cannataro, University, Italy  
Maurice Mars, University of KwaZulu-Natal, South Africa  
Miguel Angel Rodriguez-Florido, Chair of Medical Technology - ULPGC, Spain  
Mohy Uddin, King Abdullah International Medical Research Centre, Saudi Arabia  
Nathalie Souf, University Paul Sabatier, France  
Ovidiu Stan, Technical University Of Cluj Napoca, Romania  
Paiivi Hamalainen, The National Institute for Health and Welfare, Finland  
Panos Liatsis, The Petroleum Institute, United Arab Emirates  
Pedro Pablo Escobar, Intelymec Group, UNCPBA, Argentina  
Sandro Scattareggia Marchese, Signo Motus Srl, Italy  
Shabbir Syed Abdul, Taipei Medical University and National Yang Ming U, Taiwan  
Silvia Alayon, Universidad de La Laguna, Spain  
Vivian Vimarlund, Linköpings University and Jönköping International, Sweden  
Wendy Maccaull, St. Francis Xavier University, Canada