

The 10<sup>th</sup> edition of the **International Conference on e-Health** (part of the IADIS Multi Conference on Computer Science and Information Systems 2018) was held in Madrid, Spain, during **17 -19 July, 2018**.

This conference was organized by the International Association for Development of the Information Society (IADIS).

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 2017 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.



This edition was published jointly with: 11th International Conference on ICT, Society, and Human Beings 2018 and the 15th International Conference Web Based Communities and Social Media 2018. These conferences received 126 submissions from more than 27 countries. Each submission had been anonymously reviewed by an average of five independent reviewers, to ensure that accepted submissions were of a high standard. Consequently, only 20 full papers were approved which means an acceptance rate of 16%. A few more papers were accepted as short papers, reflection papers and poster.

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

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



 IADIS International Journal on Computer Science and Information Systems (ISSN: 1646-3692)

In addition to the presentation of the papers, this event also included one keynote presentation given by Associate Professor George (Giorgos) Kontaxakis, Department of Electronic Engineering, Information Processing and Telecommunications Center, Universidad Politécnica de Madrid (UPM), Spain.



**Keynote Presentation:** 

## EMPATHY, CREATIVITY, TECHNOLOGICAL INNOVATION: KEYS IN THE PATH OF DESIGNING HEALTHCARE BEYOND 2020

by A/ Professor George (Giorgos) Kontaxakis, Department of Electronic Engineering, Information Processing and Telecommunications Center, Universidad Politécnica de Madrid (UPM), Spain

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.

The e-Health 2018 Conference was published in hard copy (ISBN: 978-989-8533-77-7) by IADIS Press.



## **Program Committee Members:**

Abdel-Badeeh M.Salem, Ain Shams University, Egypt

Adel Taweel, Kings College/Birzeit University, United Kingdom/Palestine

Alain Pruski, Lcoms Université de Lorraine, France

Alexander Hoerbst, UMIT - University for Health Sciences, Austria

Andreas Schrader, University of Lübeck, Germany

Anna Bianchi, Politecnico di Milano, Italy

Antonio Lanatà, University of Pisa, Italy

Asa Smedberg, Stockholm University, Sweden

Athina Lazakidou, University of Peloponnese, Greece

Bennoor Kazi, National Institute of Diseases of Chest & Hospital, Bangladesh

Bert-Jan van Beijnum, University of Twente, Netherlands

Bobak Jack Mortazavi, Texas A&M University, USA

Bridget Kane, Karlstad University, Sweden

David Isern, University Rovira I Virgili, Spain

Edward de Quincey, Keele University, United Kingdom

Elizabeth Krupinski, Emory University, USA

Elske Ammenwerth, UMIT - University for Health Sciences, Austria

Eric Campo, LAAS-CNRS, France

Farid Naït-Abdesselam, Paris Descartes University, France

Georg Duftschmid, Medical University of Vienna, Austria

Hermie Hermens, Roessingh Research and Development, Netherlands

Jan Aidemark, Linnéuniversitet, Sweden

Jan Vejvalka, Charles University, Czech Republic

Jaspaljeet Singh, Universiti Tenaga Nasional, Malaysia

Jesuk Ko, Gwangju University, South Korea

José Massa, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina

Laurent Billonnet, Ensil - Université de Limoges, France

Lenka Lhotska, Czech Technical University in Prague, Czech Republic

Lina F. Soualmia, LITIS-TIBS EA 4108, France

Lucy Hederman, Trinity College Dublin, Ireland

Malina Jordanova, Bulgarian Academy of Sciences, Bulgaria

Mario Cannataro, University "Magna Græcia" of Catanzaro University, Italy

Maurice Mars, University of KwaZulu-Natal, South Africa

Michael Schumacher, University of Applied Sciences and Arts Western Switzerland,

Switzerland

Mohammad Pourhomayoun, California State University Los Angeles, USA

Mohy Uddin, King Abdullah International Medical Research Center, Saudi Arabia

Nadine Vigouroux, IRIT, CNRS 5505, Paul Sabatier Univesrity, Toulous, France

Nathalie Souf, University Paul Sabatier, France

Nikolaos Mastellos, Imperial College London, United Kingdom

Ovidiu Stan, Technical University of Cluj Napoca, Romania

Paivi Hamalainen, The National Institute for Health and Welfare, Finland

Panos Liatsis, The Petroleum Institute, United Arab Emirates

Patricia Sánchez González, Universidad Politécnica de Madrid, Spain

Pedro Pablo Escobar, Intelymec Group, UNCPBA, Argentina

Peter Kokol, University of Maribor, Slovenia

Roberto Hornero, University of Valladolid, Spain

Sandro Scattareggia Marchese, Signo Motus Srl, Italy

Silvia Alayon, Universidad de La Laguna, Spain

Sylvain Giroux, Université de Sherbrooke, Canada

Tacha Serif, Yeditepe University, Turkey

Vaclav Kremen, Czech Institute of Informatics, Robotics and Cyber, Czech Republic

Vicente Traver Salcedo, Universitat Politècnica de València, Spain

Yiqiang Chen, Institute of Computing Technology, China