

10th International Workshop on Intelligent Environments Supporting Healthcare and Well-Being (WISHWell'20)

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1. Introduction

The workshop will bring together researchers from both industry and academia from the various disciplines to contribute to this new edition of the International Workshop on Intelligent Environments Supporting Healthcare and Well-Being. This event previously joined forces with the International Workshop “PervaSense – Situation recognition and medical data analysis in Pervasive Health environments” and the workshop on “Smart Healthcare and Healing Environments”. Healthcare environments (within the hospital and the home) are extremely complex and challenging to manage from an IT and IS perspective, as they are required to cope with an assortment of patient conditions under various circumstances with a number of resource constraints. Pervasive healthcare technologies seek to respond to a variety of these pressures by integrating them within existing healthcare services. It is essential that intelligent pervasive healthcare solutions are developed and correctly integrated to assist health care professionals in delivering high levels of patient care. It is equally important that these pervasive solutions are used to empower patients and relatives for self-care and management of their health to provide seamless access for health care services.

The technical program will feature an invited Keynote: *Innovation in a time of crisis - COVID-19 and rapid developments in intelligent environment technologies* by Dr Andreas Braun.

This will be supplemented with discussions and panel-type activities and the presentation of the following selected papers:

Designing a Multiagent System for Elderly Care by Maria Ramírez, Carlos Lino, Victor Zamudio, David Gutiérrez and Héctor Puga.

On Digital Multimedia and Human Emotions using EEG-based Brain Computer Interface by Nuraini Jamil, Abderahmane Lakas, Sofia Ouhbi and Abdelkader Nasreddine Belkacem.

Automatic Generation of Customised Exergames for Home Rehabilitation based on Physical Mobility Constraints and Key Performance Indicators by Cristian Gómez-Portes, David Vallejo, Ana I. Molina, Carmen Lacave.

IoT-Based Smart Medicine Dispenser to Control and Supervise Medication Intake by Gleiston Guerrero-Ulloa, Miguel J. Hornos, Carlos Rodríguez-Domínguez and Ma. Mercedes Fernández-Coello.

We deeply appreciate the Intelligent Environments 2020 conference organizers for their help on hosting this event. As a final note, we wish to express our sincere thanks to the Program Committee for their thorough reviews and support along this year and the previous editions.