EDITORIAL

The IADIS International Journal on Computer Science and Information Systems (IJCSIS) is a peer-reviewed scientific journal published exclusively in an electronic format. Its mission is to publish original contributions pertaining to the topics of Information Systems and their uses, to disseminate knowledge amongst its readers and to be a reference publication. The IADIS IJCSIS publishes original research papers and review papers, as well as auxiliary material such as short ongoing research papers, case studies, conference reports, management reports, book reviews and commentaries.

The Volume 17, Issue 2 (ISSN: 1646-3692) combines six selected original papers that bring together researchers covering the wide spectrum of the area of Computer Science and Information Systems in different contexts. The authors' contributions embrace significant research topics and intend to provide a current depiction of the research in the field while opening way to future research.

The first paper in this issue by Anas Tukur Balarabe and Ivan Jordanov entitled "A HYBRID DILATION APPROACH FOR REMOTE SENSING SCENE IMAGE CLASSIFICATION" proposes a framework for classifying remote sensing images using a hitherto unused pre-trained model. It is suggested "an *Xception* model-based framework that accepts images of arbitrary size and then resizes or interpolates them before extracting and enhancing the discriminative features using an adaptive dilation module".

The second paper by Elizabeth A. Matthews, Irina Koleva and Sujana Basnet entitled "CONSISTENT GAMING SKILL DEMOGRAPHICS IN ACADEMIC RESEARCH" reports on the difficulty that it is experienced on research of video games regarding video game player categorization. The authors collected information from multiple academic sources that divided participants into gaming skill demographics to evaluate the metrics used and provide an analysis of correlations regarding the metrics.

The third paper by J. David Patón-Romero, Ricardo Vinuesa, Letizia Jaccheri and Maria Teresa Baldassarre with the title "STATE OF GENDER EQUALITY IN AND BY ARTIFICIAL INTELLIGENCE", tries to examine the current state of the art and collect existing knowledge in the fields of Artificial Intelligence (AI) and gender equality, by performing a Systematic Mapping Study (SMS).

The fourth paper authored by Daisuke Fukui, Takushige Katsura, Masashi Egi, Norihisa Komoda and Takenao Ohkawa entitled "ESTIMATION OF VARIOUS HUMAN EMOTIONS USING LIGHTWEIGHT FNIRS DEVICE" reports on the use of a functional near infrared spectroscopy (fNIRS) method applied to assess the accuracy of estimating 20 types of emotions selected as uniformly distributed emotions in Russell's circumplex model (various human emotions are organised in a circle in a two-dimensional space with two axes: pleasant and unpleasant, and activation and deactivation). The results show that the more

strongly emotions included in activation quadrant in Russell's circumplex model are aroused, the more accurately they can be classified.

The fifth paper entitled "CLINICAL PATHWAYS AND THE NEED FOR SYSTEM INTEGRATION" by Päivi Ovaskainen, Reima Suomi and Pirkko Nykänen evaluates the functioning of a clinical pathway for elderly people in a Finnish context. It documents the difficulties of getting information on the patient flows in a clinical pathway. A case study was conducted on the follow-up of clinical pathway for elderly patients in emergency care. The authors collected data on all patients aged 75 years or more who had visited the emergency unit of a city hospital in 2006–2008.

The final contribution by Kirwin B Matthews and Maureen C Tanner named "THE INFLUENCE OF NATIONAL CULTURE DIMENSIONS ON AGILE PRACTICES: THE CASE OF SOUTH AFRICAN SOFTWARE DEVELOPMENT TEAMS" has the purpose to define how national culture influences Agile practices within the South African software development context.

These papers illustrate the different facets of research done on different contexts of Computer Science and Information Systems. The review of the relevant literature contributes to the theoretical grounding of these areas and the innovative empirical research on different technologies creates opportunity for the development of innovative findings.

The Editors

Pedro Isaías
Information Systems & Technology Management School, The University of New South Wales, Australia

Marcin Paprzycki
SWPS, Poland