The 8th edition of the Applied Computing (AC) International Conference was hosted in Rio de Janeiro, Brazil, during 6-8 November, 2011.

This event was organized by the International Association for Development of the Information Society (IADIS) and co-organized by UNIRIO.

**Co-organized by:**

The 2011 edition tried to address the key aspects of concern within the applied computing area and related fields. This conference covered fundamentally technical aspects. The subsequent thirty-six areas were object of paper and poster submissions: Agent Systems and Applications; Algorithms; Applied Information Systems; Case Studies and Applications; Communications; Data Mining; Database Systems; E-Commerce Theory and Practice; Embedded Systems; Evaluation and Assessment; Global Tendencies; Information Retrieval; Intelligent Systems; Mobile Networks and Systems; Multimedia; Networking; Object Orientation; Parallel and Distributed Systems; Payment Systems; Programming Languages; Protocols and Standards; Semantic Web; Software Engineering; Storage Issues; Technologies for E-Learning; Wireless Applications; WWW Applications; WWW Technologies; Ubiquitous Computing; Usability Issues; Virtual Reality; Visualization; XML and other Extensible Languages.

The Applied Computing 2011 Conference had 243 submissions from more than 28 countries. Each submission was blindly evaluated by an average of 4 independent reviewers, to ensure the final high standard of the accepted submissions. Out of the submitted papers, 50 got blind referee ratings that published them as full papers, which meant that the acceptance rate was below 21%. Some other submissions were published as short papers and posters.

Also, extended versions of the best papers were selected to be published in:


The conference, besides the opening and closing sessions, the presentation of full papers, reflection papers, short papers and posters also featured two keynote presentations given by Professor Dinesh Kumar, Associate Professor of Biosignals at RMIT University, Australia and Professor Renata Mendes de Araújo, UNIRIO – Federal University of State of Rio de Janeiro, Brazil.
Keynote Presentation:

“SECURE BIOMETRICS”

by Professor Professor Dinesh Kumar Associate Professor of Biosignals at RMIT University, Australia

Keynote Presentation:

“OPPORTUNITIES AND CHALLENGES FOR INFORMATION SYSTEMS APPLIED RESEARCH IN BRAZIL”

by Professor Renata Mendes de Araújo UNIRIO - Federal University of State of Rio de Janeiro, Brazil


Program Committee Members:

Adam Wojciechowski, Poznan University Of Technology, Poland
Adam Wong, Deakin University, Australia
Aijuan Dong, Hood College, USA
Alan Barton, IIT -- National Research Council, Canada
Alberto Ros, Universidad de Murcia, Spain
Ali Masoudi-Nejad, Laboratory of Systems Biology and Bioinformatics, Iran
Alvaro Luis Bustamante, Universidad Carlos III De Madrid, Spain
Ana Carolina Lorena, Universidade Federal do ABC, Brazil
Anastasios Doulamis, Technical University Of Crete, Greece
Andre De Carvalho, University Of São Paulo, Brazil
Andreas Andreou, University Of Cyprus, Cyprus
Andreas Menychtas, National Technical University Of Athens, Greece
Andreas Wombacher, University Of Twente, Netherlands
Andres Muñoz, Universidad De Murcia, Spain
Anne-muriel Arigon, Université Montpellier 2, France
Antonia Dattolo, University Of Udine, Italy
Antonio Bucchiarone, FBK of TRENTO, Italy
Antonio Robles-Gómez, University for Distance Education, Spain
Ateet Bhalla, NRI Institute of Information Science and Technolog, India
Aurelio Bermudez, Universidad De Castilla-la Mancha, Spain
Baoying Wang, Waynesburg University, USA
Bastian Koller, Universität Stuttgart, Germany
Blanca Caminero, Universidad de Castilla-La Mancha, Spain
Boris Koldehofe, University Of Stuttgart, Germany
Carlos Duarte, University Of Lisbon, Portugal
Carmen Carrion, University Of Castilla-la Mancha, Spain
Carmen Ruiz, Universidad De Castilla-la Mancha, Spain
Carolina Yukari Veludo Watanabe, University of Rondônia, Brazil
Cecile Favre, Université Lyon 2, France
Ching-hsien Hsu, Chung Hua University, Taiwan
Daniele Radicioni, University Of Torino, Italy
Dimosthenis Kyriazis, National Technical University Of Athens,, Greece
Eda Marchetti, Istituto Superiore di Sanità, Italy
Elias Xidias, University of the Aegean, Greece
Enrique Árias, Universidad De Castilla-la Mancha, Spain
Fabio Verdi, Universidade Federal De São Carlos, Brazil
Fei Luo, East China University Of Science & Technology, China
Filippos Azariadis, University Of The Aegean, Greece
Sean Siqueira, Unirio, Brazil
Sharon Cox, Birmingham City University, United Kingdom
Shu-Ching Chen, Florida International University, USA
Simon Richir, Arts et Metiers ParisTech, France
Stephane Maag, Telecom Sudparis, France
Stephanos Mavromoustakos, European University Cyprus - School of Sciences, Cyprus
Susumu Goto, Kyoto University, Japan
Tarek Bejaoui, Mediatron Lab., University of Carthage, Tunisia
Tomasz Walkowiak, Wroclaw University Of Technology, Poland
Tudor -Razvan Niculiu, University "Politehnica" Bucuresti, Romania
Vasilis Delis, Research Academic Computer Technology Institute, Greece
Vassiliki Andronikou, National Technical University Of Athens, Greece
Victor Robles, Technical University Of Madrid, Spain
Vincenzo Deufemia, Università di Salerno, Italy
Xinlian Liu, Hood College, USA
Yoshifumi Manabe, NTT Communication Science Laboratories, Japan
Zaher Aghbari, University Of Sharjah, United Arab Emirates
Zhe Wang, East China University Of Science & Technology, China