The 4th edition of the Applied Computing (AC) International Conference was hosted in Salamanca, Spain, during 18-20 February, 2007.

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

The main purpose of this event was to concentrate on the main issues of concern within the applied computing area and related fields. The following areas were object of 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.

In 2007, the Conference had 231 submissions from more than 35 countries. Each submission was blindly evaluated by at least two independent reviewers, to ensure the final high standard of the accepted submissions. Out of the submissions, 50 got blind referee ratings that published them as full papers that meant that the acceptance rate was below 22 %. Some other submissions were published as short, reflection papers and posters.
Besides papers and posters presentations, this event also included three keynote speeches presented by Professor Professor Ajith P Abraham, School of Computer Science and Engineering, Chung-Ang University, South Korea, Professor Hussein Zedan, De Montfort University, United Kingdom, and Professor Keith Clark, Imperial College London, United Kingdom.

Keynote Presentation:

"STRATEGISING IN THE AGE OF AGILITY AND GLOBALISATION: INFORMATION SYSTEMS THAT MEET DYNAMICALLY CHANGING NEEDS"

by Professor Ajith T Abraham, Yonsei University, South Korea / NTNU, Norway

Keynote Presentation:

"TIME" TO "CHANGE" POLICIES"

by Professor Hussein Zedan, De Montfort University, UK

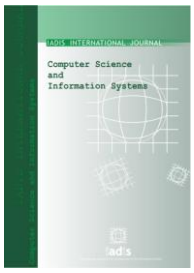
Keynote Presentation:

"CONTRACT RELATED AGENTS"

by Professor Keith Clark, Imperial College London, UK

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

- the IADIS International Journal on Computer Science and Information Systems (IJCSIS). ISSN 1646-3692.



The conference proceedings of the Applied Computing 2007 was published in hard copy (Book ISBN: 978-972-8924-30-0) and also in CD-ROM (ISBN: 978-972-8924-33-1) by IADIS Press.

Program Committee Members:

Abdelhamid Mellouk, University of Paris 12, France

Adam Wong, Deakin University, Australia

Achim Basermann, NEC Europe Ltd., Germany

Ahmed Mostefaoui, Laboratoire d'Informatique de Franche-Comté, France

Akihiko Shirai, ENSAM, France

Albert Zomaya, University Of Sydney, Australia

Aleksandar Lazarevic, University of Minnesota, USA

Alexander Lazovik, University of Trento, Italy

Ali Asghar Shiri, University of Alberta, Canada

Ali Masoudi-Nejad University of Tehran, Iran

Alvaro Barreiro, University of A Coruña, Spain

Anders Gidenstam, Max Planck Inst. For Comp. Science, Germany

Andreas Andreou, University of Cyprus, Cyprus

Andreas Wombacher, University of Twente, The Netherlands

Anna Maddalena, Università degli Studi di Genova, Italy

Anton Michlmayr, Institute for Information Systems, Austria

Antonio Bucchiarone, ISTI-CNR, Italy

Arndt Bode, Technical University München, Germany

Aurelio Bermúdez, Universidad de Castilla-La Mancha, Spain

Baoying Wang, Waynesburg College, USA

Beda Christoph Hammerschmi, Institute of Information Systems, Germany

Benno Overeinder, Vrije Universiteit Amsterdam, The Netherlands

Bin Lou, Anhui University, China

Blanca Caminero, Universidad de Castilla-La Mancha, Spain

Boris Epstein, The Academic College of Tel-Aviv-Yaffo, Israel

Boris Koldehofe, University of Stuttgart, Germany

Brian Kirkegaard, Royal School of Library & Information Science, Denmark

Burkhard Englert, California State University Long Beach, USA

Carlos Duarte, University of Lisbon, Portugal

Cathal Gurrin, Dublin City University, Ireland

Ching-Hsien Hsu, Chung Hua University, Taiwan

Christian Becker, University of Mannheim, Germany

Christian Platzer, Vienna University of Technology, Austria

Daniel S. Katz, Louisiana State University and Jet Propulsion Laboratory, USA

Daniele Radicioni, University of Torino, Italy

Daoqiang Zhang, Nanjing University of Aeronautics and Astronautics, China

Dick Stenmark, University of Göteborg, Sweden

Djamila Ouelhadj, University of Nottingham, United Kingdom

Dongmei Ren, IBM Silicon Valley Lab, USA

Dragoljub Pokrajac, Delaware State University, USA

Eda Marchetti, ISTI-CNR, Italy

Efstratios Georgopoulos, Technical University of Kalamata, Greece

Emad Aboelela, University of Massachusetts, USA

Emmanuel Karapidakis, Department of Electronics / T.E.I. of Crete, Greece

Enrique Árias, Universidad de Castilla-La Mancha, Spain

Faisal Abu Khzam, Lebanese American University, Lebanon

Farid Naït-Abdesselam, University of Lille, France

Fidel Cacheda, University of A Coruña, Spain

Filippos Azariadis, University of the Aegean, Greece

Florian Rosenberg, Vienna University of Technology, Austria

Francesca Lonetti, ISTI-CNR, Italy

Francesca Martelli, ISTI-CNR, Italy

Francisco Garcia Peñalvo, University of Salamanca, Spain

Frederic Ogel, France Telecom R&D, France

Ganna Frankova, University of Trento, Italy

Gareth Jones, Dublin City University, Ireland

George Birbilis, University of Patras, Greece

George Kartsounis, Agricultural University of Athens, Greece

George Roussos, University of London, United Kingdom

Georgina Gaughan, School of Computing, Dublin City University, Ireland

Giacomo Cabri, Universita' di Modena e Reggio Emilia, Italy

Giovanni Semeraro, University of Bari, Italy

Gongzhu Hu, Central Michigan University, USA

Graça Abrantes, Technical University of Lisbon, Portugal

Gregor Schiele, University of Mannheim, Germany

Guadalupe Ortiz Bellot, University of Extremadura, Spain

Guglielmo De Angelis, Istituto di Scienza e Tecnologie dell'Informazione "Alessandro Faedo", Italy

Hai Jin, Huazhong University of Science and Technology, China

Hamid Arabnia, University of Georgia, USA

Hongjian Fan, University of Melbourne, Australia

Imad Rahal, College of Saint Benedict | Saint John's University, USA

Isabelle Simplot-Ryl, University of Lille I, France

Ivan Jelinek, Czech Technical University, Czech Republic

Jacek Plodzien, Polish Academy Of Sciences, Poland

Jalel Benothman, University of Versailles, France

Jan Krasniewicz, University of Central England in Birmingham, UK

Jean Carle, University of Lille, France

Jiann-Liang Chen, National Dong Hwa University, Taiwan

Jie Tao, Universität Karlsruhe, Germany

Jinghua Gao, ISTI-CNR, Italy

Jixin Ma, Greenwich University, UK

Jo Abrantes, University of Wollongong, Australia

Johannes Meinecke, University of Karlsruhe, Germany

José Manuel Molina López, Universidad Carlos III de Madrid, Spain

Josiane Mothe, Institut de Recherche en Informatique de Toulouse, France

Juan J. Pardo, Universidad de Castilla-la-Mancha, Spain

Juan José Sánchez Peña, Universidad de Alcalá, Spain

Juan Manuel Fernández Luna, University of Granada, Spain

Ken Barker, University of Calgary, Canada

Kenneth Chiu, New York State University at Binghamton, USA

Kerstin Grundén, West University, Sweden

Koen Bertels, TU Delft, The Netherlands

Kokou Yetongnon, Université de Bourgogne, France

Krzysztof Cetnarowicz, University of Science and Technology, Poland

Lefteris Koumakis, Institute of Computer Science, FORTH, Greece

Licia Capra, University College London, United Kingdom

Lorenza Saitta, Amedeo Avogadro University, Italy

Luca Anselma, University of Torino, Italy

Luís Carriço, University of Lisbon, Portugal

Manuel E. Acacio Sánchez, Universidad de Murcia, Spain

Marco Botta, University Of Torino, Italy

Marco Degemmis, University of Bari, Italy

Maria Damiani, Università degli Studi di Milano, Italy

María N. Moreno García, Universidad de Salamanca, Spain

Marina Papatriantafilou, Chalmers University, Sweden

Mark Baker, University of Reading, UK

Martin Fredriksson, Blekinge Institute of Technology, Sweden

Martin Knahl, University of Plymouth, United Kingdom

Massimo Mecella, Università di Roma "La Sapienza", Italy

Mei-Ling Shyu, University of Miami, USA

Mercedes G. Merayo, Universidad Complutense de Madrid, Spain

Michaël Hauspie, University of Lille, France

Michael Hobbs, Deakin University, Austrália

Miguel Angel Patricio Guisado, Universidad de Alcalá, Spain

Miroslav Bures, Czech Technical University, Czech Republic

Mohand Boughanem, University Paul Sabatier, France

Nashat Mansour, Lebanese American University, Lebanon

Nataliya Rassadko, Università degli Studi di Trento, Italy

Necip Sahinkaya, University of Bath, UK

Niall Winters, Institute of Education, UK

Nidal Nasser, University of Guelph, Canada

Nikola Stojanovic, University of Texas at Arlington, USA

Nikolaos Sapidis, University of the Aegean, Greece

Panayiotis Koutsabasis, University of the Aegean, Greece

Pascal Lorenz, University of Haute Alsace, France

Pasqua D' Ambra, ICAR-CNR, Italy

Pasquale Lops, Università di Bari, Italy

Patrick Bridges, University of New Mexico, USA

Paula Brito, University of Porto, Portugal

Pietro Mazzoleni, Universita' degli studi di Milano, Italy

Qin Ding, Pennsylvania State University at Harrisburg, USA

Rafa Al-Qutaish, University of Quebec, Canada

Rafael Casado, University of Castilla-La Mancha, Spain

Raffaele Quitadamo, Università di Modena e Reggio Emilia, Italy

Raman Kazhamiaki, University of Trento, Italy

Rami Yared, Japan Advanced Institute of Science and Technology (JAIST), Japan

Raúl Suárez, Universitat Politècnica de Catalunya, Spain

Richard Lai, La Trobe University, Australia

Robert Wrembel, Poznan University Of Technology, Poland

Ruibing Hao, Bell Labs Research China, China

Rune Gustavsson, Blekinge Institute of Technology, Sweden

Salima Benbernou, Université Claude Bernard Lyon 1, France

Sergey Peigin, Israel Aircraft Industries, Israel

Sharon Cox, University of Central England, United Kingdom

Sherri Harms, University of Nebraska-Kearney, USA

Shu-Ching Chen, Florida International University, USA

Simon Richir, ENSAM, France

Sotirios Terzis, University of Strathclyde, United Kingdom

Spyros Vosinakis, University of the Aegean, Greece

Stéphane Maag, Institut National des Télécommunications,France

Stefanos Mavromoustakos, School of Computer Science and Engineering, Cyprus

Thomas Sødring, Simula Research Laboratory, Norway

Tor Skeie, University of Oslo, Norway

Torben Weis, University of Mannheim, Germany

Tru Hoang Cao, Ho Chi Minh City University of Technology, Viet Nam

Urszula Markowska-Kaczmar, Wroclaw University of Technology, Poland

Vincenzo Deufemia, University of Salerno, Italy

Weining Qian, Fudan University, China

Wenbin Jiang, Huazhong University of Science and Technology, China

Wenbing Tao, Huazhong University of Science and Technology, China

Xiang Fu, Georgia Southwestern State University, USA

Xueqing Gong, Fudan University, China

Yanxiang He, Wuhan University, China

Yi Zhang, SAP Research CEC Belfast, UK

Zaher Aghbari, University of Sharjah, UAE

Zhi-Hua Zhou, Nanjing University, China

Zoubir Mammeri, University of Paul Sabatier, France

AUXILIARY REVIEWERS

Alexander Ivanyukovich, University of Trento, Italy

Aliaksandr Birukou, University of Trento, Italy

Annamaria Chiasera, University of Trento, Italy

Artsiom Yautsiukhin, University of Trento, Italy

David Koppelman, LSU, USA

Fatih Turkmen, University of Trento, Italy

Nadzeya Kiyavitskaya, University of Trento, Italy

Natallia Kokash, University of Trento, Italy

Steven Brandt, LSU, USA