



The International Conference WWW/Internet 2006 was held in Murcia, Spain, 5-8 October, 2006.

This conference was organized by the International Association for Development of the Information Society (IADIS) and co-organized by Universidad de Múrcia - Facultad de Comunicación y Documentación.

Co-organized by:



The intention of this Conference was to serve as an environment to draw together researchers, practitioners, students and anyone who worked or studied the field of WWW/Internet. The Conference covered both technological as well as non-technological issues related to developments of the context of WWW/Internet.

The submissions were accepted under the following fifty seven areas: Accessibility; Adaptive Web Systems; Collaboration; Computer-Mediated Communication; Data Mining; Database Planning and Development; Digital Economy; Digital Libraries and E-Publishing; Distributed and Parallel Applications; E-Business and E-Commerce; E-Government; E-Learning; Electronic Data Interchange; Quality, Evaluation and Assessment; Extensible Languages; Global Tendencies in WWW/Internet; Groupware; Human Computer Interaction; Hypermedia; Information Architectures; Information Visualization; Intelligent Agents; Interfaces; Internet & Customer Relationship Management; Internet Payment Systems; Internet Services; Languages; Metadata; Performance Issues; Personalized Web Sites and Services; Portal strategies; Protocols and Standards; Searching and Browsing; Security Issues; Semantic Web; Social & Legal Issues; Storage Issues; System Integration; Teaching and Learning Strategies; Technology Innovation and Competitiveness; Technology Management; Technology Strategies; Tele-Work; WWW/Internet Applications; WWW/Internet Case studies; WWW/Internet Impacts; Web Engineering; Web Personalization; Web Software; Wireless Applications; Ubiquitous Computing; Usability; User Modelling; Virtual Communities; Virtual Reality; XML.



The 2006 edition had 286 submissions from more than 29 countries. Each submission had been anonymously reviewed by at least two independent reviewers, to guarantee the final high standard of the accepted submissions. The final result was the approval of 71 full papers, which meant that the acceptance rate was below 25%. The other papers had been accepted as short papers and posters.

From the Conference were selected Best Papers to be published as extended versions in the IADIS International Journal on WWW/Internet (IJWI). ISSN: 1645-7641



The conference, besides the presentation of full papers, short papers, posters, and doctoral consortium presentations also included keynote presentations and a tutorial from internationally distinguished researchers: Professor Katia P. Sycara, School of Computer Science, Carnegie Mellon University, USA and Professor Fausto Giunchiglia, Head of the Department of Information and Communication Technology, University of Trento, Italy.

Keynote Presentation:

"WEB SERVICES AND AGENTS: A MARRIAGE THAT TRANSFORMS E-BUSINESS?"



by Professor Katia P. Sycara, School of Computer Science, Carnegie Mellon University, USA

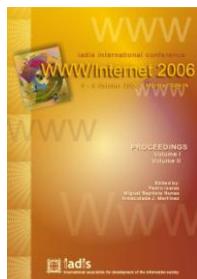
Keynote Presentation:

"MANAGING DIVERSITY IN KNOWLEDGE"



by Professor Fausto Giunchiglia, Head of the Department of Information and Communication Technology, University of Trento, Italy

The WWW/Internet 2006 Conference was published both in Book divided into two volumes (ISBN: 972-8924-19-4) and CD-ROM (ISBN: 972-8924-21-6).



Program Committee Members:

Abdolhossein Sarrafzadeh, Massey University, New Zealand

Al Warner, Penn State – Erie, USA

Alessandro Micarelli, University of "Roma Tre", Italy

Alexander Kröner, DFKI, Germany

Alexander Schill, TU Dresden, Germany

Alexander Wöhrer, University of Vienna, Austria

Alfredo Cuzzocrea, University of Calabria, Italy

Alvaro Ortigosa, Universidad Autónoma de Madrid, Spain

Ana Regina Cavalcanti da Rocha, Centroin, Brazil

Ananya S. Guha, Indira Gandhi National Open University, India

Andrea Kienle, Fraunhofer IPSI, Germany

Andrea Rodriguez, Universidad de Concepción, Chile

- Andreas Albers, T-Mobile Stiftungsprofessur für M-Commerce, Germany
- Andreas Schrader, ISNM - International School of New Media, Germany
- Andy Lapham, Thames Valley University, United Kingdom
- Angel López Cima, Universidad Politécnica de Madrid, Spain
- Angélica de Antonio, Universidad Politécnica de Madrid, Spain
- Angelo Di Iorio, University of Bologna, Italy
- Anna Maddalena, University of Genova, Italy
- Anthony Savidis, ICS-FORTH, Greece
- Anurag Saxena, Indira Gandhi National Open University, India
- Arnaldo Belchior, University of Fortaleza, Brazil
- Aykut Firat, Northeastern University, USA
- Axel Küpper, Ludwig-Maximilians University of Munich, Germany
- Axel Polleres, Universidad Rey Juan Carlos, Madrid, Spain
- Azita Bahrami, Armstrong Atlantic State University, USA
- Berardina De Carolis, University of Bari, Italy
- Bernard Espinasse, Université d'Aix-Marseille, France
- Brahmananda Sapkota, DERI, Ireland
- Celso Saibel, UNIFACS – CEPERC, Brazil
- Chris Messom, Massey University, New Zealand
- Christoph Schmitz, Universität Kassel, Germany
- Christos Fidas, University of Patras, Greece
- Claudia Buzzi, CNR-IIT, Italy
- Claudia Linnhoff-Popien, Ludwig-Maximilians-Universität München, Germany
- Cristina Baroglio, Universita' Degli Studi Di Torino, Italy
- Cristina Gena, Universita' di Torino, Italy
- Daniel Burgos, The Open University, The Netherlands
- Daniel Cunliffe, University of Glamorgan, United Kingdom
- Daniel Fernández Lanvin, Universidad de Oviedo, Spain
- David Caduff, University of Zurich – Irchel, Switzerland
- David Crowther, De Montfort University, United Kingdom
- David Eduardo Pinto Avendaño, Universidad Politécnica de Valencia, Spain
- David Powers, Flinders University, Australia
- Davide Buscaldi, Universidad Politécnica de Valencia, Spain
- Debjayoti Mukhopadhyay, Techno India (West Bengal University of Technology), India
- Demetrios Sampson, University of Piraeus, Greece
- Dietmar Dengler, DFKI, Germany
- Dimitrios Rigas, University of Bradford, United Kingdom
- Dirk Thissen, RWTH Aachen, Germany
- Dominic Heutelbeck, FernUniversität Hagen, Germany
- Dominik Heckmann, DFKI, Germany
- Dumitru Roman, DERI, Austria
- Edilson Ferneda, Universidade Católica de Brasília, Brazil
- Elena Calude, Massey University at Albany, New Zealand
- Elhadi Shakshuki, Acadia University, Canada
- Elias Kirche, Florida Gulf Coast University, USA
- Emilia Mendes, The University of Auckland, New Zealand
- Enrique Alfonseca, Universidad Autonóma de Madrid, Spain
- Eric Schwarzkopf, DFKI, Germany
- Erica Melis, DFKI, Germany
- Eva Söderström, University of Skövde, Sweden
- Ezendu Ariwa, London Metropolitan University, United Kingdom
- Fabio Vitali, University of Bologna, Italy
- Fernanda Lima, Universidade Católica de Brasília, Brazil
- Fernando Lyardet, Darmstadt University of Technology, Germany
- Francesco Guerra, Universita' di Modena e Reggio Emilia, Italy
- Fred Fonseca, The Pennsylvania State University, USA

- Fuensanta Medina-Domínguez, Universidad Carlos III de Madrid, Spain
- Georg Groh, Technische Universität München, Germany
- Germana Menezes da Nóbrega, Universidade Católica de Brasília, Brazil
- Giorgia Lodi, University of Bologna, Italy
- Gonzalo Méndez, Universidad Complutense de Madrid, Spain
- Guido Roessling, Darmstadt University of Technology, Germany
- Gustavo Rossi, Universidad Nacional de La Plata, Argentina
- Hamid Mcleick, Université du Québec à Chicoutimi, Canada
- Hannes Werthner, University of Innsbruck, Austria
- Hans Schlichter, Technische Universität München, Germany
- Hans Weghorn, BA-University of Cooperative Education, Germany
- Heiko Tapken, Carl von Ossietzky Universität Oldenburg, Germany
- Henk de Vries, Rotterdam School of Management Erasmus University, The Netherlands
- Henrique Paques, Georgia Institute of Technology, USA
- Henry Oinas-Kukkonen, University of Oulu, Finland
- Ian van der Linde, University of Texas, USA
- Idris Rai, Lancaster University, United Kingdom
- Ilaria Torre, Università degli Studi di Torino, Italy
- Ioan Toma, DERI, Austria
- Ismael Sanz Blasco, University Jaume I, Spain
- Ismail Khalil Ibrahim, Johannes Kepler University Linz, Austria
- Ivan Tomek, Acadia University, Canada
- Jacek Kopecký, DERI, Austria
- Jaime Ramírez, Universidad Politécnica de Madrid, Spain
- Jaime Sánchez, University of Chile, Chile
- James Thong, Hong Kong University of Science and Technology, Hong Kong
- Janez Brank, Jozef Stefan Institute, Slovenia
- Jessica Rubart, ORGA Kartensysteme, Germany
- Jesús Boticario, UNED, Spain
- Jialie Shen, University of New South Wales, Australia
- Jon Schutz, YourAmigo Pty Ltd, Australia
- Jörg Leukel, University of Hohenheim, Germany
- Jörg Roth, University of Applied Sciences Nuremberg, Germany
- Jos de Bruijn, DERI, Austria
- Jose Enrique Fernández Martín, University of Malaga, Spain
- José Laurindo Campos, Instituto Nacional de Pesquisas na Amazonia, Brazil
- Juan Manuel Pérez, University Jaume I, Spain
- Juan Pedro Caraça-Valente, Universidad Politécnica de Madrid, Spain
- Juan Ramón Pérez Pérez, Universidad de Oviedo, Spain
- Juergen Hofer, University of Innsbruck, Austria
- Jürgen Karla, RWTH Aachen University, Germany
- Juhnyoung Lee, IBM T. J. Watson Research Center, USA
- Jure Ferlez, Jozef Stefan Institute, Slovenia
- Jussi Kangasharju, Darmstadt University of Technology, Germany
- Kai Jakobs, Aachen University, Germany
- Kai Koster, Kosmicon, Germany
- Karina Villela, Universidade Salvador, Brazil
- Kathia Oliveira, Universidade Católica de Brasília, Brazil
- Kiduk Yang, Indiana University, USA
- Kinshuk, Massey University, New Zealand
- Kostas Tsagkaris, University of Piraeus, Greece
- Liliana Ardissono, Università Degli Studi Di Torino, Italy
- Liping Liu, University of Akron, USA
- Loris Penserini, ITC-IRST, Italy
- Luca Spalazzi, Polytechnical University of Marche, Italy
- Lucia Rapanotti, The Open University, United Kingdom
- Manolis Tzagarakis, University of Patras, Greece

- Manuel Montes y Gomez, INAOE, Mexico
- Margherita Antona, ICS-FORTH, Greece
- María del Puerto Paule Ruíz, University of Oviedo, Spain
- María Isabel Sánchez-Segura, Universidad Carlos III de Madrid, Spain
- Markus Anding, University of Munich, Germany
- Martin Gaedke, University of Karlsruhe, Germany
- Massimo Marchiori, University of Venice, Italy
- Marco Mesiti, Università degli Studi di Genova, Italy
- Martin Hepp, University of Innsbruk, Austria
- Martin Wenig, RWTH Aachen, Germany
- Martin Wessner, Fraunhofer IPSI, Germany
- Mathias Bauer, DFKI, Germany
- Matteo Baldoni, Università Degli Studi di Torino, Italy
- Maurizio Vincini, Universita' di Modena e Reggio Emilia, Italy
- Max J. Egenhofer, University of Maine, USA
- Maytham Safar, Kuwait University, Kuwait
- Michael Weber, University of Ulm, Germany
- Michael Welzl, University of Innsbruck, Austria
- Michalis Vaitis, University of the Aegean, Greece
- Mick Kerrigan, DERI, Austria
- Miguel-Angel Sicilia Urbán, University of Alcalá, Spain
- Mike Radmacher, Johann Wolfgang Goethe University Frankfurt a. M., Germany
- Milos Kravcik, Fraunhofer Gesellschaft, Germany
- Nicola Henze, University of Hannover, Germany
- Nik Nailah binti Abdullah, University Montpellier II, France
- Nikolaos Avouris, University of Patras, Greece
- Nikolaos Tselios, University of Patras, Greece
- Nikos Karacapilidis, University of Patras, Greece
- Nilufar Baghaei, University of Canterbury, New Zealand
- Olga Santos Martín, UNED, Spain
- Oliver Haase, University of Applied Sciences Konstanz, Germany
- Omair Shafiq, DERI, Austria
- Panagiotis Demestichas, University of Piraeus, Greece
- Paola Podestà, Università di Génova, Italy
- Paolo Bresciani, ITC-IRST, Italy
- Paolo Massa, ITC, Italy
- Paolo Rosso, Universidad Politécnica de Valencia, Spain
- Paul Johannesson, Stockholm University and Royal Institute of Technology, Sweden
- Paul Smith, Lancaster University, United Kingdom
- Peter Westerkamp, Universität Münster, Germany
- Piedachu Peris García, Universidad Politécnica de Valencia, Spain
- Pramuditha Suraweera, University of Canterbury, New Zealand
- Rainer Eckstein, Helmholtz Center for Infection Research (HZI), Germany
- Ralf Ackermann, Darmstadt University of Technology, Germany
- Raluca Bunduchi, University of Aberdeen, United Kingdom
- Ricardo Imbert, Universidad Politécnica de Madrid, Spain
- Robert Goodwin, Flinders University, Australia
- Robin Laney, The Open University, United Kingdom
- Rolf Winter, Freie Universität Berlin, Germany
- Rosa Carro, Universidad Autonóma de Madrid, Spain
- Roxana Danger, Universitat Jaume I, Spain
- Samar Saha, SYNOPSYS, USA
- Shawn Newsam, University of California, Merced, USA
- Shivakant Mishra, University of Colorado, USA
- Sinuhe Arroyo, University of Alcala de Henares, Spain
- Spiridon Bakiras, Hong Kong University of Science and Technology, Hong Kong
- Stefan Diepolder, RWTH Aachen, Germany
- Stefan Fischer, Universität zu Lübeck, Germany
- Steven Demurjian, The University of Connecticut, USA

- SungKook Han, WonKwang University, Korea
- Sven Groppe, University of Innsbruck, Austria
- Sven Meyer zu Eissen, Bauhaus University Weimar, Germany
- Timothy Shih, Tamkang University, Taiwan
- Tomoo Inoue, University of Tsukuba, Japan
- Tsvi Kuflik, University of Haifa, Israel
- Umesh Rajashekhar, University of Texas at Austin, USA
- Urs-Jakob Rüetschi, University of Zurich, Switzerland
- Vanessa Evers, University of Amsterdam, The Netherlands
- Vassilis Kapsalis, Industrial Systems Institute, Greece
- Vera Stavroulaki, University of Piraeus, Greece
- Vic Grout, University of Wales, United Kingdom
- Viviana Patti, Universita' di Torino, Italy
- Wei Tang, NCR Corporation Teradata Division, USA
- Wei Wang, The University of New South Wales, Australia
- Ying Ding, University of Innsbruck, Austria
- Yingcai Xiao, The University of Akron, USA
- Yufei Tao, City University of Hong Kong, Hong Kong
- Zakaria Maamar, Zayed University, United Arab Emirates

Auxiliary Reviewers

- Amali Weerasinghe, University of Canterbury, New Zealand
- Gonzalo Macarro Palazuelos, University of Alcalá de Henares, Spain