



The International Conference WWW/Internet 2008 was held in Freiburg, Germany, 13-15 October, 2008.

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

**Co-organized by:**



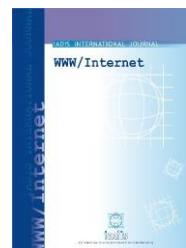
Every year, The WWW/Internet conference tries to address the key issues of concern within the context of WWW/Internet. WWW and Internet had a huge development in recent years. Aspects of concern are no longer just technical anymore but other aspects have arisen. This conference aims to cover both technological as well as non-technological issues related to these developments. Its broad areas of interest were Web 2.0, Semantic Web and XML, Applications and Uses, Services, Architectures and Web Development and Research Issues.



The WWW/Internet 2008 Conference had 197 submissions from more than 35 countries. Each submission had been anonymously reviewed by an average of four independent reviewers, to ensure the final high standard of the accepted submissions. The final result was the approval of 38 full papers, which means that the acceptance rate was below 20%. A few more papers had been accepted as short papers, reflection 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 Journal of e-Working (JOE). ISSN: 1872-3284

The Conference Program featured an opening and closing sessions, 19 parallel paper sessions, which included the presentation of full, short and reflection papers, posters, and doctoral consortium presentations. In addition the Conference also offered a keynote lecture and a special talk from internationally distinguished researchers (Professor Bebo White, Stanford University, USA and Peter Géczy, Noriaki Izumi, Shotaro Akaho, Kōiti Hasida, The National Institute of Advanced Industrial Science and Technology (AIST), Tokyo and Tsukuba, Japan).



#### **Keynote Presentation:**

#### **"THE EMERGENCE OF WEB SCIENCE"**



by Professor Bebo White, Stanford University, USA

#### **Special Talk:**

#### **"HUMAN-WEB INTERACTION RESEARCH"**



by Peter Géczy, Noriaki Izumi, Shotaro Akaho and Kōiti Hasida, The National Institute of Advanced Industrial Science and Technology (AIST), Tokyo and Tsukuba, Japan

The WWW/Internet 2008 Conference was published both in Book (ISBN: 978-972-8924-68-3) and CD-ROM (ISBN: 978-972-8924-70-6).



#### **Program Committee Members:**

Abdolhossein Sarrafzadeh, Massey University, New Zealand

Adrian Stoica, University of Patras, Greece

Alberto Barrón, Universidad Politécnica Valencia, Spain

Alex Villazon, University of Lugano, Switzerland

Alexander Kröner, DFKI, Germany

Alexander Schill, TU Dresden, Germany

Alexander Wöhrer, University of Vienna, Austria

Alfredo Cuzzocrea, University of Calabria, Italy

Ali Fawaz Shareef, Maldives College of Higher Education, Maldives

Ana Fermoso, Universidad Pontificia de Salamanca, Spain

Ana Regina Cavalcanti da Rocha, Centroin, Brazil

Ana Sanz, Universidad Carlos III de Madrid, Spain

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

André Deuker, Johann Wolfgang Goethe University Frankfurt, Germany

Andrea Kienle, Fraunhofer IPSI, Germany

Andrea Rodriguez, Universidad de Concepción, Chile

Andreas Schrader, ISNM - International School of New Media, Germany

Angeliki Panayiotaki, University of Patras, Greece

- Angelo Di Iorio, University of Bologna, Italy
- Anirban Chakrabarti, Infosys Technologies, India
- Anirban Kundu, West Bengal University of Technology, India
- Anna Maddalena, University of Genova, Italy
- Arturo Mora-Soto, Carlos III University of Madrid, Spain
- Axel Küpper, Ludwig-Maximilians University of Munich, Germany
- Azita Bahrami, Armstrong Atlantic State University, USA
- Béatrice Rumpler, INSA of Lyon, Franc
- Beob Kyun Kim, Korea Institute of Science and Technology Information, South Korea
- Bo Hu, Universität der Bundeswehr München, Germany
- Brahmananda Sapkota, DERI, Ireland
- Carla Lima, UFPA, Brazil
- Carlos Pedrinaci, The Open University, UK
- Charlie Abela, University of Malta, Malta
- Christian Kahl, Johann Wolfgang Goethe University Frankfurt, Germany
- Christian Werner, Universität zu Lübeck, Germany
- Christos Bouras, University of Patras, Greece
- Christos Fidas, University of Patras, Greece
- Christos Katsanos, University of Patras, Greece
- ChunHua Tian, IBM China Research Lab, China
- Claudia Buzzi, CNR-IIT, Italy
- Claus Atzenbeck, Aalborg University Esbjerg, Denmark
- Clodoveu Davis, Pontifícia Universidade Católica de Minas Gerais, Brazil
- Dacheng Tao, Hong Kong Polytechnic University, Hong Kong
- Dahai Guo, Florida Gulf Coast University, USA
- Daniel Cunliffe, University of Glamorgan, United Kingdom
- Daniel Schuster, TU Dresden, Germany
- Darius Pfitzner, Flinders University, Australia
- David Buttler, Lawrence Livermore National Laboratory, USA
- David Crowther, De Montfort University, UK
- David Pinto Avendaño, Universidad Politécnica de Valencia, Spain
- Debajyoti Mukhopadhyay, Calcutta Business School, India
- Demetrios Sampson, Informatics and Telematics Institute, Greece
- Diana Pérez Marín, Universidad Autónoma de Madrid, Spain
- Dimitrios Rigas, University of Bradford, United Kingdom
- Dirk Thissen, RWTH Aachen, Germany
- Dongqiang Yang, Flinders University, Australia
- Dumitru Roman, STI / University of Innsbruck, Austria
- Eleftherios Papachristos, University of Patras, Greece
- Elena Calude, Massey University at Albany, New Zealand
- Elias Kirche, Florida Gulf Coast University, USA
- Elif Ubeyli, TOBB Economics and Technology University, Turkey
- Enrique Alfonseca, Google Inc., Spain
- Erick López Ornelas, Universidad Autónoma Metropolitana - Cuajimalpa, México
- Estefanía Martín Barroso, Universidad Autonoma de Madrid, Spain
- Ezendu Ariwa, London Metropolitan University, United Kingdom
- Fahim Akhter, Zayed University, United Arab Emirates
- Fan Zhao, Florida Gulf Coast University, USA
- Fernando Lyardet, Darmstadt University of Technology, Germany
- Francesco Guerra, Universita' di Modena e Reggio Emilia, Italy
- Francesco Pagliarelli, Polytechnical University of Marche, Italy
- Francisco Dominguez, Universidad Rey Juan Carlos, Spain
- Fred Fonseca, The Pennsylvania State University, USA
- George Gkotsis, University of Patras, Greece
- Gheorghe Cosmin Silaghi, Faculty of Economics and Business Administration, Romania
- Gonzalo Méndez, Universidad Complutense de Madrid, Spain

- Guido Roessling, Darmstadt University of Technology, Germany
- Gustavo Rossi, Universidad Nacional de La Plata, Argentina
- Hakikur Rahman, Institute of Computer Management & Science (ICMS), Bangladesh
- Hamid Mccheick, Université du Québec à Chicoutimi, Canada
- Héctor Jiménez-Salazar, Universidad Autónoma Metropolitana, Mexico
- Hehui HH Liu, IBM China Research Lab, China
- Heiko Tapken, Oldenburg University, Germany
- Henry Oinas-Kukkonen, University of Oulu, Finland
- Holger Hinrichs, University of Applied Sciences Lübeck, Germany
- Horst Hellbrück, University of Applied Sciences Lübeck, Germany
- Hsiao Hsien-Sheng, National Taiwan Normal University, Taiwan
- Ian Toma, University Innsbruck, Austria
- Isidoro Hernán Losada, Universidad Rey Juan Carlos, Spain
- Ismael Pascual Nieto, Universidad Autónoma de Madrid, Spain
- J. K. Vijayakumar, American University of Antigua, West Indies
- Jaime Ramírez, Universidad Politécnica de Madrid, Spain
- James Thong, Hong Kong University of Science and Technology, Hong Kong
- Jan Zizka, Centre European University in Skalica, Slovakia
- Janez Brank, Jozef Stefan Institute, Slovenia
- Jarkko Suhonen, University of Joensuu, Finland
- Javier Saldaña, Universidad Carlos III de Madrid, Spain
- Jessica Rubart, Arvato Services, Germany
- Jesús Soto Carrión, Universidad Pontificia de Salamanca, Spain
- John Garofalakis, University of Patras, Greece
- Jörg Roth, University of Applied Sciences Nuremberg, Germany
- José Laurindo Campos, Instituto Nacional de Pesquisas na Amazonia, Brazil
- Jürgen Karla, RWTH Aachen University, Germany
- Juhnyoung Lee, IBM T. J. Watson Research Center, USA
- Julie Yazici, Florida Gulf Coast University, USA
- Kai Jakobs, RWTH Aachen University, Germany
- Kathia Oliveira, Universidade Católica de Brasília, Brazil
- Kenneth Trehanne, Flinders University, Australia
- Kinshuk, Athabasca University, Canada
- Leila Shafti, Universidad Autonoma de Madrid, Spain
- Loris Penserini, Universiteit Utrecht, The Netherlands
- Luca Spalazzi, Polytechnical University of Marche, Italy
- Lucia Rapanotti, The Open University, United Kingdom
- Madhavi Sharma, Indira Gandhi National Open University, India
- Manolis Tzagarakis, University of Patras, Greece
- Manuel Montes y Gómez, INAOE, México
- Mara Nikolaïdou, Harokopio University of Athens, Greece
- Marcos Ruano-Mayoral, Universidad Carlos III de Madrid, Spain
- María del Puerto Paule Ruiz, University of Oviedo, Spain
- María del Rocío Abascal, Universidad Autónoma Metropolitana – Cuajimalpa, México
- María Gertrudis López, Universidad de Alcalá, Spain
- María Isabel Sánchez-Segura, Universidad Carlos III de Madrid, Spain
- Markos Hatzitaskos, University of Patras, Greece
- Martin Gaedke, Chemnitz University of Technology, Germany
- Massimo Marchiori, UNIPD/ UTILABS, Italy
- Mathias Bauer, Mineway GmbH, Germany
- Mauricio Marín, Yahoo! Research Santiago, Chile
- Maurizio Vincini, Universita' di Modena e Reggio Emilia, Italy
- Max J. Egenhofer, University of Maine, USA

- Maximiliano Paredes Velasco, Universidad Rey Juan Carlos, Spain
- Maytham Safar, Kuwait University, Kuwait
- Michael Hartle, University of Technology Darmstadt, Germany
- Michael Weber, University of Ulm, Germany
- Michał Wozniak, Wrocław University of Technology, Poland
- Michalis Vaitis, University of the Aegean, Greece
- Micheal Mrissa, University of Namur, Belgium
- Mick Kerrigan, STI Innsbruck, Austria
- Miguel-Angel Sicilia, University of Alcalá, Spain
- Mike Radmacher, Johann Wolfgang Goethe University Frankfurt a. M., Germany
- Mikhail Alexandrov, Autonomous University of Barcelona, Spain
- Ming-Puu Chen, National Taiwan Normal University, Taiwan
- Muhammad Akram Shaikh, Tsinghua University, China
- Naseem Memon, Mehran University of Engineering and Technology, Pakistan
- Nasrullah Memon, Aalborg University Esbjerg, Denmark
- Nikos Karacapilidis, University of Patras, Greece
- Nikos Karousos, University of Patras, Greece
- Nilufar Baghaei, University of Canterbury, New Zealand
- Omair Shafiq, University of Innsbruck, Austria
- Pablo A. Haya, Escuela Politécnica Superior, Spain
- Panagiotis Andrikopoulos, De Montfort University, UK
- Paolo Petta, Austrian Research Institute for Artificial Intelligence (OFAI), Austria
- Paolo Rosso, Universidad Politécnica de Valencia, Spain
- Penelope Markellou, University of Patras, Greece
- Peter Excell, University of Wales, UK
- Peter Geczy, AIST, Japan
- Ralf Ackermann, SAP Research, Germany
- Robert Goodwin, Flinders University, Australia
- Robert Stahlbock, University of Hamburg, Germany
- Rong Zeng Cao, IBM China Research Lab, China
- Salvador Sánchez-Alonso, Universidad de Alcalá, Spain
- Salvatore Fiore, University of Wolverhampton, UK
- Sattanathan Subramanian, INRIA, France
- Scott Overmyer, Baker College, USA
- Sheila Reinehr, Catholic University of Paraná, Brasil
- Sinuhe Arroyo, University of Alcalá de Henares, Spain
- Srikanth Sundarajan, Infosys Technologies Limited, India
- Stefan Dietze, Knowledge Media Institute - The Open University, UK
- Stefan Fischer, Universität zu Lübeck, Germany
- Steven Demurjian, The University of Connecticut, USA
- Stuart Cunningham, University of Wales, UK
- Sumit Bose, Infosys Technologies, India
- Sumohana Channappayya, University of Texas, USA
- Sung-Kook Han, Won Kwang University, Korea
- Thierry Nabeth, INSEAD / CALT, France
- Thomas Springer, TU Dresden, Germany
- Thorsten Reiners, University of Hamburg, Germany
- Tomoo Inoue, University of Tsukuba, Japan
- Vassilis Kapsalis, Industrial Systems Institute, Greece
- Vic Grout, University of Wales, UK
- Vicente Luque Centeno, Universidad Carlos III de Madrid, Spain
- Viviana Patti, Universita' di Torino, Italy
- Vlad Tanasescu, The Open University, UK
- Ying Ding, DERI, Austria
- Yingcai Xiao, The University of Akron, USA
- Zhong Jie Li, IBM China Research Lab, China

#### AUXILIARY REVIEWER

Hassan Naderi, INSA Lyon, France