The 3rd edition of the **International Conference on Computer Graphics, Visualization, Computer Vision and Image Processing** (part of the IADIS Multi Conference on Computer Science and Information Systems 2009) was held in Algarve, Portugal**, 20-22 June, 2009.**

This conference was organized by the International Association for Development of the Information Society (IADIS) and supported by FCT – Fundação para a Ciência e a Tecnologia, Portugal.

Supported by:

FCT
Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

The CGVCVIP conference tried to address the research issues in the closely related areas of Computer Graphics, Visualization, Computer Vision and Image Processing. Submissions were accepted under the following 5 main topics: Computer Graphics, Visualization, Computer Vision, Image Processing and Other Related Topics.

In 2009, the conference proceedings were jointly published with IADIS Web Virtual Reality and Three-Dimensional Worlds and IADIS Visual Communication: Creative Industries, Photography and Culture 2009 conferences. These events received 174 submissions from more than 27 countries. Each submission was anonymously reviewed by an average of five independent reviewers, to ensure that accepted submissions were of a high standard. Consequently only 25 full papers were published. The overall acceptance rate (including the special sessions) corresponds to about 22 %. A few more papers were accepted as short papers, reflection papers, doctoral consortium and posters.

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 also included one keynote presentation given by Professor Ming C. Lin, University of North Carolina, USA.

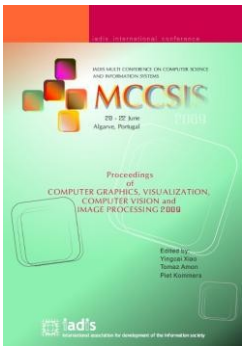
Keynote Presentation:

VIRTUAL CITYSCAPES: CHALLENGES AND OPPORTUNITIES

by Professor Ming C. Lin, University of North Carolina, USA

In general, this edition offered once again a great opportunity to all their participants to discuss with success the most significant aspects regarding the theme Computer Graphics, Visualization, Computer Vision and Image Processing.

The IADIS International Conference on Computer Graphics and Visualization 2009 was published both in Book (ISBN: 978-972-8924-84-3) and CD-ROM (ISBN: 978-972-8924-80-5) by IADIS Press.



Program Committee

Program Chair

Tomaz Amon, Amnim, Center for Scientific Visualization, Ljubljana, Slovenia

General Conference Co-Chairs

Piet Kommers, University of Twente, The Netherlands
Pedro Isaías, Universidade Aberta (Portuguese Open University), Portugal
Nian-Shing Chen, National Sun Yat-sen University, Taiwan

Committee Members

Alberto Raposo, TecGraf - PUC-Rio, Brazil
Alessandro Artussi, University of Warwick, UK
Andrea Gaggioli, Istituto Auxologico Italiano, Italy
Andreas Gerndt, German Aerospace Center (DLR), Germany
Andrei Sharf, University of California, USA
Angelos Amditis, ICCS- NTUA, Greece
Beatriz Rey, Universidad Politecnica de Valencia, Spain
Bianchi Meiguins, Universidade Federal do Pará , Brazil
Bruno Nati, GARR, Italy
Carlo Nati, SSIS Universita' del Lazio, Italy
Chris Christou, University of Nicosia, Cyprus

Clare Sansom, Birkbeck College, UK
Creto Augusto Vidal, Federal University of Ceara, Brazil
Dan Keefe, University of Minnesota, USA
Daniel Acevedo Feliz, ACCIONA Infraestructuras, S.A., Spain
Daniel Thalmann, EPFL, Switzerland
Daniela Romano, University of Sheffield, UK
David Colleen, Planet 9 Studios, USA
David Moffat, Glasgow Caledonian University, UK
David Wortley, Serious Games Institute, UK
Dieter Schmalstieg, Graz University of Technology, Austria
Dmitry Bystrov, Tashkent State Technical University, Uzbekistan
Doron Friedman, The Interdisciplinary Center, Israel
Ednaldo B. Pizzolato, Universidade Federal de São Carlos (UFSCar), Brazil
Fabrizia Mantovani, Università Milano Bicocca, Italy
Fátima Nunes, Art, Science and Humanities School - University of São Paulo, Brazil
Ferdinand Francino, Glasgow Caledonian University, UK
Francisco Ibanez, Brainstorm 3D software, Spain
Frederik Li, University of Durham, UK
George Baciu, Hong Kong Polytechnic University, China
Giannis Karaseitanidis, National Technical University of Athens, Greece
Hannes Kaufmann, Vienna University of Technology, Austria
James F. O'Brien, UC Berkeley, USA
Jerome Royan, Orange Labs, France
Jinyuan Jia, Tongji University, China
Joan De Boeck, Universiteit Hasselt, Belgium
Joe D. Williams, Hypermultimedia, USA
John A. Stewart, Communications Research Centre Canada, Canada
José Pascual Molina Massó, University of Castilla-La Mancha, Spain
José Remo Brega, UNESP - São Paulo State University, Brazil
Joshua Smith, Kaon Interactive, Inc., USA
Josip Almasi, VR Space, Croatia
Juan Manuel González Calleros, University of Louvain, Belgium
Kadi Bouatouch, IRISA, University of Rennes 1, France
Katerina Mania, University of Sussex, UK
Katherine Trinder, Glasgow Caledonian University, UK
Krzysztof Walczak, The Poznan University of Economics, Poland
Laura Monroe, Los Alamos National Lab, USA
Linda Giannini, EgoCreaNet, Italy
Lucia Pannese, Imaginary, Italy
Luciano Gamberini, University of Padua, Italy
Luciano Soares, Rio University, Brazil
Marcelo de Paiva Guimarães, University of São Paulo, Brazil
Margarita Pérez-García, MENON Network EEIG, Belgium
Mariano Alcaniz, Universidad Politecnica de Valencia, Spain
Mario Kubo, Faculty of Technology Paulo Freire, Brazil
Matteo Cantamesse, Catholic University of Milan, Italy
Mirabelle D'Cruz, University of Nottingham, UK
Nicholas F Polys, Virginia Tech, USA
Paolo Manzelli, University of Florence, Italy
Patrick Gioia, Orange Labs, France
Richard Eastgate, University of Nottingham, UK
Richard Kulpa, M2S University of Rennes 2, France
Romain Cavagna, LIP6/University of Paris VI, France
Russell Gayle, The University of North Carolina at Chapel Hill, USA
Sabine Coquillart, INRIA, France
Sara De Freitas, Serious Games Institute, UK
Shun-Yun Hu, National Central University, Taiwan
Simon Heid, Institut für Lern-Innovation (ILI), Germany
Sonia Hetzner, University of Erlangen-Nürnberg, Germany
Steven Warburton, King's College London, UK
Sylvie Noel, Communications Research Centre Canada, Canada
Tamy Boubekeur, TELECOM ParisTech, France
Tassos Anastassios Mikropoulos, The University of Ioannina, Greece
Thomas Kretschmer, University of Erlangen-Nürnberg, Germany
Torsten Kuhlen, RWTH Aachen University, Germany
Willi Bruns, Bremen University, Germany
William M. Rourk, University of Virginia, USA

Program Committee Members:

Alessandro Artusi, University of Warwick, UK

Alexander Pasko, Bournemouth University, UK

Alexander Wiebel, University of Leipzig, Germany

Alexei Sourin, Nanyang Technological University, Singapore

Andreas Kerren, Växjö University, Sweden

Andrzej Lukaszewski, University of Wroclaw, Poland

Angélica de Antonio, Universidad Politecnica de Madrid, Spain

Anna Tomaszewska, Technical University of Szczecin, Poland

Arcadio Reyes Lecuona, Universidad de Málaga, Spain

Arturo García Jiménez, University of Castilla-La Mancha, Spain

Bodo Rosenhahn, University of Hannover, Germany

Brian J. D'Auriol, Kyung Hee University, Korea

Carla Binucci, Università degli Studi di Perugia, Italy

Carles Bosch, Universitat de Girona, Spain

Chang Ha Lee, Chung-Ang University, Korea

Chih Cheng Hung, Southern Polytechnic State University, USA

Christos Grecos, University of Central Lancashire, UK

Dalton Lin, National Taipei University, Taiwan

Daniel Baldwin, Purdue School of Engineering & Technology, USA

Dariusz Frejlichowski, West Pomeranian University of Technology, Poland

Dimitri Plemenos, Université de Limoges, France

Emilio Di Giacomo, Universita` degli Studi di Perugia, Italy

Ezendu Ariwa, London Metropolitan University, UK

Gaetano Impoco, Università di Catania, Italy

Gennady Andrienko, Fraunhofer Institute, Germany

Georg Umlauf, University of Kaiserslautern, Germany

Gerd Reis, University of Kaiserslautern, Germany

Gerik Scheuermann, University of Leipzig, Germany

Giovanni Farinella, University of Catania, Italy

Giuseppe Patané, IMATI-CNR, Italy

Gleb Nosovskiy, Moscow State University, Russia

Gonzalo Méndez, Universidad Complutense de Madrid, Spain

Gustavo Patow, Universitat de Girona, Spain

Heidrun Schumann, University of Rostock, Germany

Igor Sevastianov, Mental Images GmbH, Germany

Ingemar Ragnemalm, Linköping University, Sweden

Issac Rudomin, ITESM-CEM, Mexico

Issei Fujishiro, Tohoku University, Japan

Jens Krüger, Technische Universität München, Germany

Jian J Zhang, Bournemouth University, UK

Jiawan Zhang, Tianjin University, China

Jorge López, Universidad de Zaragoza, Spain

José Pascual Molina Massó, Universidad de Castilla-La Mancha, Spain

Kai Hormann, Clausthal University of Technology, Germany

Kevin C. Marshall, Purdue School of Engineering & Technology, USA

Kurt Debattista, The University of Warwick, UK

Kyoungsu Oh, Soongsil University, Korea

Marco Attene, CNR IMATI-Ge, Italy

Marco Gillies, UCL, UK

Marta Fairen, Universitat Politècnica de Catalunya, Spain

Martin Hering-Bertram, Fraunhofer - ITWM, Germany

Michela Mortara, IMATI-GE / CNR, Italy

Mislav Grgic, University of Zagreb, Croatia

Mu-Chun Su, National Central University, Taiwan

Nathan Carr, Adobe Systems, USA

Olga Sourina, Nanyang Technological University, Singapore

Pak Chung Wong, Pacific Northwest National Laboratory, USA

Paolo Pingi, CNR - INOA, Italy

Pawel Forczmanski, West Pomeranian University of Technology, Poland

Pedro Cano, Universidad de Granada, Spain

Pere-Pau Vázquez, UPC, Spain

Peter Dannenmann, German Research Center for Artificial Intelligence GmbH, Germany

Peter Eisert, Fraunhofer Institute for Telecommunications -HHI , Germany

Peter Lindstrom, Lawrence Livermore National Laboratory, USA

Petr Felkel, Czech Technical University in Prague, Czech Republic

Radoslaw Mantiuk, Technical University of Szczecin, Poland

Ralph Hollingsworth, Muskingum College, USA

Robert Laramee, Swansea University, UK

Robert Martí Marly, University of Girona, Spain

Rong Liu, Simon Fraser University, Canada

Sabine Coquillart, INRIA, France

Shaun Bangay, Rhodes University, South Africa

Shigeo Takahashi, University of Tokyo, Japan

Silvester Czanner, The University of Warwick, UK

Sougata Mukherjea, IBM India Research Lab, India

Stanislav Klimenko, Moscow Institute of Physics and Technology, Russia

Theresa-Marie Rhyne, NC State University, USA

Thomas Wischgoll, Wright State University, USA

Vassilis Argyriou, University of Central Lancashire, UK

Victor Debelov, ICMMG, Russia

Walter Didimo, Universita` degli Studi di Perugia, Italy

Xabier Basogain, Escuela Superior de Ingeniería de Bilbao, Spain

Xuejun Hao, Columbia University, USA

Yong Cao, Virginia Tech, USA

Zhong-Hui Duan, University of Akron, USA

Zongyi Liu, Amazon.com, USA

Zoran Ivanovski, Faculty of Electrical Engineering and Information Technologies, Macedonia

Auxiliary Reviewers

Francesco Banterle, University of Warwick, UK

Piotr Dubla, University of Warwick, UK

Thomas Bashford-Rogers, University of Warwick, UK