



The 11<sup>th</sup> International Conference on Computer Graphics, Visualization, Computer Vision and Image Processing (CGVCVIP 2017) (part of the IADIS Multi Conference on Computer Science and Information Systems 2017) was hosted in Lisbon, Portugal, during **21-23 July, 2017**.

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

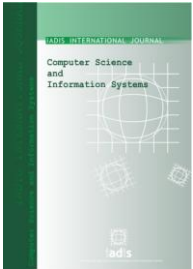
Once again, the CGVCVIP conference tried to address the research issues in the closely related areas of Computer Graphics, Visualization, Computer Vision and Image Processing. Submissions were accepted under the following 5 main topics: Computer Graphics, Visualization, Computer Vision, Image Processing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



This edition was published jointly with the 2<sup>nd</sup> edition of the International Conference on Big Data Analytics, Data Mining and Computational Intelligence. These events received 213 submissions from more than 38 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 33 full papers were approved which represented an acceptance rate of 16%. A few more papers were accepted as short papers, reflection papers and posters.

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

- ❖ IADIS International Journal on Computer Science and Information Systems (ISSN: 1646-3692)



Besides the presentation of full papers, short papers, reflection papers and posters, these events also included two keynote presentations by Professor Nir Shavit, MIT (Massachusetts Institute of Technology, USA) and Dr. Dr. Norbert Streitz (Scientific Director, Smart Future Initiative, Germany).



**Keynote Presentation:**

**HIGH THROUGHPUT CONNECTOMICS: THE BUILDING OF A BRAINSCOPE**



by Professor Nir Shavit, MIT (Massachusetts Institute of Technology), USA



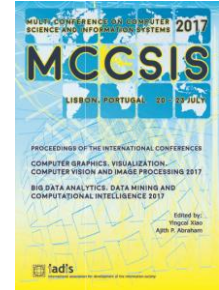
### Keynote Presentation:

## RE-DEFINING THE “SMART EVERYTHING” PARADIGM TOWARDS RECONCILING HUMANS AND TECHNOLOGY



by Dr. Dr. Norbert Streitz (Scientific Director), Smart Future Initiative, Germany

The CGVCVIP 2017 was published in hard copy (ISBN: 978-989-8533-66-1) by IADIS Press.



### Program Committee Members:

Adrian Jarabo, Universidad de Zaragoza, Spain

Aiert Amundarain, CEIT, Spain

Alessandro Rizzi, Università Degli Studi di Milano, Italy

Anna Tomaszewska, Technical University of Szczecin, Poland

Arcadio Reyes Lecuona, Universidad de Málaga, Spain

Arturo S. Garcia, University of Salford, United Kingdom

Bruce Campbell, Rhode Island School of Design, USA

C. C. Lu, Kent State University, USA

Carlo Nati, Working Group for the Development of Tecnoscintific Knowledge, Italy

Celmar Guimarães da Silva, University of Campinas, Brazil

Chang Ha Lee, Chung-Ang University, South Korea

Charalambos Poullis, Concordia University, Canada

Charalampos Georgiadis, The Aristotle University, Greece

Chien-hsing Chou, Tamkang University, Taiwan

Christos Gatzidis, Bournemouth University, UK

Creto Vidal, Federal University of Ceará, Brazil

Daniel Steffen, University of Kaiserslautern, Germany

Dmitriy Vatolin, Moscow State University, Russia

Fatima Nunes, University of São Paulo, Brazil

Galina Pasko, Uformia, Norway

Gilles Gesquiere, Liris, France

Giuseppe Patanè, CNR-IMATI, Italy

Hans-Jörg Schulz, University of Rostock, Germany

Hongchuan Yu, Bournemouth University, UK

Ingemar Ragnemalm, Linköping University, Sweden

Isaac Rudomin, Barcelona Supercomputing Center, Spain

Jairo Sanchez, Vicomtech-IK4, Spain

Jian Chang, Bournemouth University, UK

Jon Goenetxea, Vicomtech-IK4, Spain

José Izgara, TECNALIA, Spain

Jose Ignacio Echevarria, Universidad de Zaragoza, Spain

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

Jose Remo Ferreira Brega, Sao Paulo State University, Brazil

Josip Almasi, VRSpace, Croatia

Juan Diego Ortega, Vicomtech-IK4, Spain

Karolj Skala, Rudjer Boskovic Institute, Croatia

Krzysztof Okarma, West Pomeranian University of Technology, Poland

Krzysztof Walczak, Poznan University of Economics, Poland

Kurt Debattista, The University of Warwick, UK

Lihua You, Bournemouth University, UK

Linda Giannini, Smart Educational Ambassador, Italy

Luca Grilli, Department of Engineering, University of Perugia, Italy

Luciano Soares, Insper Instituto de Ensino e Pesquisa, Brazil

Luis Unzueta, Vicomtech-IK4, Spain

Marc Daniel, Ecole Supérieure d'Ingenieurs de Luminy, France

Marcelo Guimaraes, UNIFESP / FACCAMP, Brazil

Mikel Rodriguez, Vicomtech-IK4, Spain

Mu-Chun Su, National Central University, Taiwan

Nicoletta Adamo-villani, Purdue University, USA

Paolo Pingi, CNR – ISTI, Italy

Patrick Gioia, Orange Labs, France

Pedro Cano, Universidad de Granada, Spain

Peter Dannenmann, RheinMain University of Applied Sciences, Germany

Pierre-frederic Villard, University of Lorraine, France

Piotr Lech, West Pomeranian University of Technology, Poland

Quan Wen, University of Electronic Science and Technology of China, China

Rene Rosenbaum, University of Rostock, Germany

Richard Kulpa, M2S – University of Rennes 2, France

Robert Laramée, Swansea University, UK

Roman Durikovic, Comenius University in Bratislava, Slovakia

Shaun Bangay, Deakin University, Australia

Simon Richir, Arts et Metiers ParisTech, France

Stratos Stylianidis, Aristotle University of Thessaloniki, Greece

Sung-Hee Lee, KAIST, South Korea

Theresa-marie Rhyne, Computer Graphics Consultant, USA

Unai Elordi, Vicomtech-IK4, Spain

Victor Debelov, Institute of Computational Mathematics and Mathematical Geophysics,

Russia

Xiaogang Jin, Zhejiang University, China

Xiaosong Yang, Bournemouth University, UK

Xuejun Hao, Columbia University, USA

Zhong-hui Duan, University of Akron, USA

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