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Registration

34th International Convention on Information and
Communication Technology, Electronics and Microelectronics

Monday 23rd - Friday 27th of May 2011 - Opatija/Abbazia, Adriatic Coast, Croatia
Grand Hotel Adriatic Convention Centre and Hotel Admiral



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MIPRO 2011

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DaNTE 2011

Event information

MIPRO 2011 - 34th International Convention

GVS - Grid and Visualization Systems

Thursday, 5/26/2011 9:00 AM - 7:30 PM, Congress hall 3, Hotel Admiral, Opatija

Event registration

Abstract submission

Basic information:

[Author Instructions](#)

Chair:

Karloj Skala (Croatia)

Steering Committee:

Piotr Bala (Poland), Leo Budin (Croatia), Yike Guo (United Kingdom), Ladislav Hluchy (Slovakia), Peter Kacsuk (Hungary), Aneta Karaivanova (Bulgaria), Charles Loomis (France), Ludek Matyska (Czech Republic), Laszlo Szirmay-Kalos (Hungary), Roman Trobec (Slovenia), Tibor Vámos (Hungary), Branka Zovko-Cihlar (Croatia)

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Scope:

The conference is devoted to presenting and exploring scientific and technological advancements and original innovative applications in the field of Grid and Visualisation systems. Topics for this conference include, but are not limited to:

- Grid related topics:
 - Grid applications
 - Grid systems
 - Cluster computing
 - Parallel Program Development
 - Web and Grid services
 - Distributed applications on the WWW

Download

[GVS call for papers.pdf](#)
[Instructions for Preparation of Papers.doc](#)

News about event

Currently there are no news

- Web Services Applications
- Network supported cooperative work
- Virtual organisations
- e-Science technologies
- Multimedia and hypermedia technologies
- Earth Sciences Applications
- Visualisation related topics:
 - Scientific visualization
 - Visualization in engineering and medicine
 - Parallel visualization methods and algorithms
 - Distributed visualization
 - Visualization processing and systems
 - Parallel Modelling and Rendering
 - Computer interaction and vision Applications
 - Computer-Aided Design

As an addition to the conference, presentation of electronics products is welcome as well.

Official language is English.

Location:

Opatija, often called the Nice of the Adriatic, is one of the most popular tourist resorts in Croatia and a place with the longest tourist tradition on the eastern part of Adriatic coast. Opatija is so attractive that at the end of the 19th and beginning of the 20th centuries it was visited by the most prominent personalities: Giacomo Puccini, Pietro Mascagni, A. P. Čehov, James Joyce, Isidora Duncan, Beniamino Gigli, Primo Carnera, Emperor Franz Joseph, German Emperor Wilhelm II, Swedish Royal Couple Oscar and Sophia, King George of Greece.

The offer includes 20-odd hotels, a large number of catering establishments, sports and recreational facilities.

For more details please look at www.opatija.hr/ and www.opatija-tourism.hr/.

Important dates:

Abstract submission deadline: Monday, January 10, 2011
 Full paper submission deadline: Monday, February 07, 2011
 Final paper review deadline: Monday, March 07, 2011

Registration / Fees:

REGISTRATION / FEES	Price in EUR	
	Before May 9, 2011	After May 9, 2011
Members of MIPRO and IEEE	180	200
Students (undergraduate), primary and secondary school teachers	100	110
Others	200	220

Contact:

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Authors are asked to declare whether their submitted paper is to be considered as an original scientific paper or a technical note. Original scientific papers are accepted only in English.

The best papers will get a special award.

Accepted papers will be published in the ISBN registered conference proceedings. Papers which will be published in the conference proceedings and presented at the convention will be included in the IEEE Xplore database.

The selected papers will be proposed for publication in the Journal of Computing and Information Technology (CIT).


Event program








**Thursday, 5/26/2011 9:00 AM - 7:30 PM,
 Congress hall 3, Hotel Admiral, Opatija**

9:00 AM - 9:15 AM
 H. Abajyan (National Academy of Sciences of Armenia, Yerevan, Armenia), G. Ashot (Institute for Informatics and Automation Problems, NAS of Armenia, Yerevan, Armenia), S. Haik (Institute of Mathematics, NAS of Armenia, Yerevan, Armenia)

	<p>New Algorithm for Simulation of Spin-Glass in External fields </p>
9:15 AM - 9:30 AM	<p>L. Perkov (Iskon Internet d.d., Zagreb, Croatia), N. Pavković (Institut Ruđer Bošković, Zagreb, Croatia), J. Petrović (Fakultet elektronike i računarstva, Zagreb, Croatia)</p> <p>High-Availability Using Open Source Software </p>
9:30 AM - 9:45 AM	<p>J. Matkovic (JP Elektroprivreda HZ-HB d.d. Mostar, Mostar, Bosnia and Herzegovina)</p> <p>Inside of Composite Web service Development </p>
9:45 AM - 10:00 AM	<p>T. Vámos (CComputer and Automation Inst. (SzTAKI) Hungarian Academy of Sciences, Budapest, Hungary)</p> <p>Understanding in distributed social-administrative network systems </p>
10:00 AM - 10:15 AM	<p>A. Eroftiev, N. Timofeeva, A. Savin (Saratov State University, Saratov, Russian Federation)</p> <p>Parallel Computing in Application to Global Optimization Problem Solving </p>
10:15 AM - 10:30 AM	<p>T. Schmitt (Ulm University, Ulm, Germany), P. Schulthess (Institute of Distributed Systems, Ulm University, Ulm, Germany)</p> <p>Use Case Induced Relaxed Transactional Memory Consistency Models </p>
10:30 AM - 10:45 AM	<p>A. Weggerle, T. Schmitt, C. Himpel, P. Schulthess (University of Ulm, Ulm, Germany)</p> <p>Transaction based device driver development </p>
10:45 AM - 11:00 AM	<p>T. Schmitt (Ulm University, Ulm, Germany), P. Schmidt, N. Kaemmer, A. Weggerle, P. Schulthess (Institute of Distributed Systems, Ulm University, Ulm, Germany)</p> <p>Rainbow OS: A Distributed STM for In-Memory Data Clusters </p>
11:00 AM - 11:15 AM	<p>I. Voras, I. Čavrak, B. Mihaljević, M. Orlić, V. Paunović (Fakultet elektrotehnike i računarstva, Zagreb, Croatia), T. Pavić, M. Pletikosa (T-Hrvatski Telekom, Zagreb, Croatia), S. Tomić, K. Zimmer, M. Žagar, I. Bosnić (Fakultet elektrotehnike i računarstva, Zagreb, Croatia)</p> <p>Evaluating Open-Source Cloud Computing Solutions </p>
11:15 AM - 11:30 AM	<p>I. Janciak (, ,), L. Novakova (CVUT, Prague, Czech Republic), M. Lenart (University of Vienna, Vienna, Austria), P. Brezany (Faculty of Computer Science, Vienna, Austria), O. Habala (Slovak Academy of Sciences, Bratislava, Slovakia)</p> <p>Visualization of the Mining Models on a Data Mining and Integration Platform </p>
11:30 AM - 11:45 AM	<p>M. Riedel (Forschungszentrum Juelich GmbH, Juelich, Germany)</p> <p>Requirements of an e-science Infrastructure Interoperability Reference Model </p>
11:45 AM - 12:00 PM	<p>Ľ. Ovseník (Technical University of Košice, Košice, Slovakia), J. Turán, A. Kažimírová Kolesárová (Department of Electronics and Multimedia Communications, Faculty of Electrical Engineering and Infor, Košice, Slovakia)</p> <p>Video Surveillance Systems with Optical Correlators </p>
12:00 PM - 12:15 PM	<p>M. Savic (Univerzitet u Banjoj Luci Elektrotehnički fakultet, Banja Luka, Bosnia and Herzegovina), S. Gajin (University of Belgrade Computing Centre, Belgrade, Serbia), M. Bozic (University of Banja Luka Faculty of Electrical Engineering, Banja Luka, Bosnia and Herzegovina)</p> <p>SNMP Integration in Grid Infrastructure Monitoring Systems </p>
12:15 PM - 12:30 PM	<p>Z. Stančić, J. Frey Škrinjar, M. Ljubešić (Edukacijsko-rehabilitacijski fakultet Sveučilišta u Zagrebu, Zagreb, Croatia), Ž. Car (Fakultet elektrotehnike i računarstva Sveučilišta u Zagrebu, Zagreb, Croatia)</p> <p>Multidisciplinary collaboration and ICT services for people with complex communication needs </p>

12:30 PM - 12:45 PM	<p>V. Bojović, I. Sović, B. Lučić, K. Skala (Institut Ruđer Bošković, Zagreb, Croatia), A. Bačić (Siemens, Split, Croatia)</p> <p>A novel tool/method for visualization of orientations of side chains relative to the protein's main chain </p>
12:45 PM - 1:00 PM	<p>M. Pańka, M. Chlebiej, K. Benedyczak, P. Bała (Nicolaus Copernicus University, Torun, Poland)</p> <p>Visualization of Multidimensional Data on distributed mobile devices using interactive video streaming techniques </p>
3:00 PM - 3:15 PM	<p>I. Sović, T. Lipić, L. Gjenero, I. Grubišić, K. Skala (Institut Ruđer Bošković, Zagreb, Croatia)</p> <p>Heat source parameter estimation from scanned 3D thermal models </p>
3:15 PM - 3:30 PM	<p>H. Furtado (, ,), R. Trobec (Jožef Stefan Institute, Ljubljana, Slovenia)</p> <p>Applications of Wireless Sensors in Medicine </p>
3:30 PM - 3:45 PM	<p>A. Rashkovska, I. Tomašić, R. Trobec (Jožef Stefan Institute, Ljubljana, Slovenia)</p> <p>A Telemedicine Application: ECG Data from Wireless Body Sensors on a Smartphone </p>
3:45 PM - 4:00 PM	<p>Ž. Jeričević (Tehnički fakultet u Rijeci, Rijeka, Croatia)</p> <p>Using eigenanalysis to classify proteins and protein motifs </p>
4:00 PM - 4:15 PM	<p>I. Sović, L. Gjenero, I. Grubišić, T. Lipić (Institut Ruđer Bošković, Zagreb, Croatia), T. Skala (Grafički fakultet, Zagreb, Croatia)</p> <p>Active 3D scanning based 3D thermography system and medical applications </p>
4:15 PM - 4:30 PM	<p>P. Škoda (Rudjer Boskovic Institute, Zagreb, Croatia), T. Lipić (Ruđer Bošković Institute, Zagreb, Croatia), Á. Srp (Budapest University of Technology and Economics, Budapest, Hungary), B. Medved Rogina, K. Skala (Ruđer Bošković Institute, Zagreb, Croatia), F. Vajda (Budapest University of Technology and Economics, Budapest, Hungary)</p> <p>Implementation Framework for Artificial Neural Networks on FPGA </p>
4:30 PM - 4:45 PM	<p>N. Kiss, G. Patai, P. Hanák (Budapest University of Technology and Economics, Budapest, Hungary), T. Lipic, P. Skoda, L. Gjenero, A. Dubravic, I. Michieli (Rudjer Bokovic Institute, Zagreb, Croatia)</p> <p>Vital Fitness and Health Telemonitoring of Elderly People </p>
4:45 PM - 5:00 PM	<p>A. Mateska, M. Pavloski, L. Gavrilovska (Faculty of Electrical Engineering and Information Technologies, Skopje, Macedonia)</p> <p>RFID and Sensors Enabled In-Home Elderly Care </p>
5:00 PM - 5:15 PM	<p>A. Reményi (Óbuda University, Budapest, Hungary), I. Bándi (Óbuda University – John von Neumann Faculty of Informatics, Biotech Group, Budapest, Hungary), G. Valcz (Semmelweis University, 2nd Department of Internal Medicine, Budapest, Hungary), P. Bogdanov (Óbuda University – John von Neumann Faculty of Informatics, Biotech Group, Budapest, Hungary), M. Kozlovsky (MTA SZTAKI, Laboratory of Parallel and Distributed Computing, Budapest, Hungary)</p> <p>Biomedical image processing with GPGPU using CUDA </p>
5:15 PM - 5:30 PM	<p>G. Strinić, S. Čupić, N. Domijan, N. Leder, H. Mihanović (Hydrographic Institute of the Republic of Croatia, Split, Croatia)</p> <p>Distributed System for Remote Wave Data Collection and Visualization as a Part of Operational Oceanography in Croatia </p>
5:30 PM - 5:45 PM	<p>S. Čupić (Hydrographic Institute of the Republic of Croatia - Split, Split, Croatia), G. Strinić, N. Domijan, Mihanović (Hydrographic Institute of the Republic of Croatia, Split, Croatia)</p>

Tide Gauge Network of the Hydrographic Institute of the Republic of Croatia 

- 5:45 PM - 6:00 PM**
I. Kožar (Faculty of Civil Engineering University of Rijeka, Rijeka, Croatia), D. Lozzi-Kožar (Hrvatske vode, Rijeka, Croatia), Ž. Jeričević (Tehnički fakultet, Rijeka, Croatia)
Limit kriging in finite element environmental modeling 
-
- 6:00 PM - 6:15 PM**
I. Međugorac (Prirodoslovno-matematički fakultet, Zagreb, Croatia), M. Pasarić, M. Orlić (Department of Geophysics, Faculty of Science, University of Zagreb, Zagreb, Croatia)
An analysis of the Adriatic storm surge of 1 December 2008 
-
- 6:15 PM - 6:30 PM**
B. Ivančan-Picek (, ,), K. Horvath, S. Ivatek Šahdan, M. Tudor, A. Bajčić, I. Stiperski, A. Stanešić (Meteorological and Hydrological Service, Zagreb, Croatia)
Operational and research applications in the Meteorological and Hydrological Service of Croatia 
-
- 6:30 PM - 6:45 PM**
L. Grubisic (Prirodoslovno matematički fakultet, Sveučilište u Zagrebu, Zagreb, Croatia), Z. Drmač (Matematički odsjek, Prirodoslovno matematički fakultet, Sveučilište u Zagrebu, Zagreb, Croatia), Ž. Jeričević (Department of Computer Engineering, Engineering Faculty, University of Rijeka, Rijeka, Croatia)
Pseudospectral Picture of the Seismic Algorithm for Surface Multiple Attenuation 
-
- 6:45 PM - 7:00 PM**
T. Davitashvili (Tbilisi State University, Tbilisi, Georgia)
Weather Prediction Over Caucasus Region Using WRF-ARW Model 
-
- 7:00 PM - 7:15 PM**
Z. Mihajlovic (University of Zagreb, Faculty of Electrical Engineering and Computing, Zagreb, Croatia)
Relief mapping in terrain rendering 
-
- 7:15 PM - 7:30 PM**
C. Mocan (Technical University of Cluj-Napoca , Cluj-Napoca, Romania), T. Ștefănuț, D. Gorgan (Technical University Cluj-Napoca, Cluj-Napoca, Romania)
Virtual Geographical Space Visualization based on a High-Performance Graphics Cluster 

Co-organizers

