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### CORRESPONDENCE

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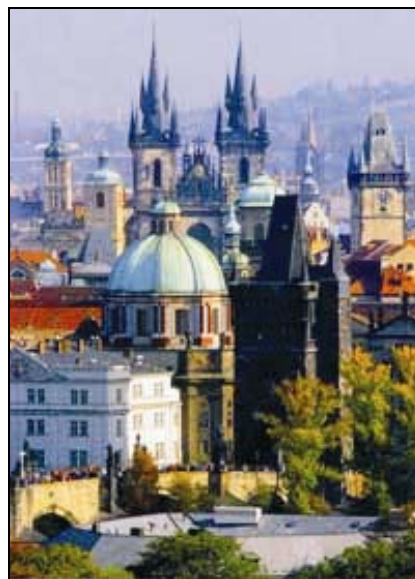
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### Important Deadlines

Abstract submission	<b>Feb 27, 2011</b>
Notification of acceptance	<b>Apr 15, 2011</b>
Camera ready paper submission	<b>Jun 15, 2011</b>
Early Registration	<b>Jun 15, 2011</b>



### CALL FOR PAPERS



# IDAACS'2011

**Celebrating 10 years: 2001-2011**

The 6<sup>th</sup> IEEE International Conference on  
**Intelligent Data Acquisition and  
Advanced Computing Systems:  
Technology and Applications**

**September 15-17, 2011**

**PRAGUE, CZECH REPUBLIC**



Organized by  
**Research Institute of Intelligent  
Computer Systems,  
Ternopil National Economic University and  
V.M. Glushkov Institute of Cybernetics,  
National Academy of Sciences of Ukraine**

in cooperation with  
**Faculty of Electrical Engineering,  
Czech Technical University in Prague,  
Czech Republic**

[www.idaacs.net](http://www.idaacs.net)

### **Invitation**

The IDAACS celebrates the 10th anniversary from its start up in 2001. The very first Workshop IDAACS'2001 was organized in a beautiful resort area Foros, Crimea, Ukraine. Then were followed: IDAACS'2003 in Lviv, Ukraine, IDAACS'2005 in Sofia, Bulgaria, IDAACS'2007 in Dortmund, Germany and IDAACS'2009 in Rende (Cosenza), Italy. Now we would like to invite all our friends from the previous IDAACS as well as other researchers worldwide to join us in celebrating this 10th anniversary of IDAACS in Prague and discuss latest achievements in the field of Intelligent Data Acquisition and Advanced Computer Systems.

The main goal of the IDAACS is to provide a forum for high quality reports on the state-of-the-art Theory, Technology and Applications of Intelligent Data Acquisition and Advanced Computer Systems as used in measurement, automation, and scientific research, in industry and in business. Rapid developments in these areas have resulted in more intelligent, sensitive, and accurate methods of data acquisition and data processing in manufacturing, in the environmental and medical monitoring systems, in laboratory measurement equipment.

The importance of IDAACS is its vision to establish scientific contacts between research teams and scientists from different countries for future joint research collaborations.

### **The Expected Benefit**

IDAACS provides the opportunity to discuss topics with colleagues from different spheres such as academia, industry, instrumentation and computer manufacturing companies, public and private research institutions and organizations. IDAACS with its truly international character promotes the development of relationships between former Eastern and Western Europe, and with countries from all parts of the globe.

### **Best of Selected Papers**

A number of selected papers from the Conference will be collected for a publication in recognized journals.

### **Conference Streams and Topics**

The conference scope includes, but it's not limited to:

- ✓ *Special Stream in Wireless Systems*
- ✓ *Special Stream in Project Management*
- ✓ *Special Stream in Testing of Distributed Industrial Systems*
- ✓ *Special Stream in Homeland Security and Cyber Security*
- ✓ Advanced Instrumentation and Data Acquisition Systems
- ✓ Intelligent Distributed Systems and Remote Control
- ✓ Virtual Instrumentation Systems
- ✓ High Performance Computing and GRIDs
- ✓ Cluster and Parallel Computing, Software Tools and Environments
- ✓ Embedded Systems
- ✓ Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems
- ✓ Advanced Mathematical Methods for Data Acquisition and High Performance Computing
- ✓ Digital Image and Signal Processing
- ✓ Data Analysis and Modelling
- ✓ Intelligent Information Systems, Data Mining and Ontology
- ✓ Robotics and Autonomous Systems
- ✓ Information Computing Systems for Education and Commercial Applications
- ✓ Bio-Informatics
- ✓ Safety, Security and Reliability of Software

It's our pleasure to invite the interested scientists to organize own Streams.

### **Conference Language**

The official Conference language is English. No simultaneous translation will be provided. All materials concerning the IDAACS'2011 should be written in English.

### **Invitation to Sponsoring Program**

Organizations interested in presenting their products are invited to participate in the Sponsor Program and to take part in the Technical exhibition. The

exhibition area assigned during the IDAACS'2011 will be offered free of charge for sponsors only.

### **Accompanying Persons Program**

A social and tour program will be organized.

### **Submission**

Prospective authors are invited to submit an extended abstract of 3-4 pages (in English only).

The manuscript should define the scope of the paper, emphasize on new advances, theories and/or applications and include an analysis of results and findings. It must be structured such that the program committee will be able to understand the originality and the value of the work.

All information concerning abstract preparation and submission for the IDAACS'2011 is available at:

[www.idaacs.net](http://www.idaacs.net)

A submission implies willingness to register and present the accepted paper.

Accepted papers will be available in the IEEE Xplore digital library and indexed by EI/Compendex, Web of Science - Conference Proceedings Citation Index-Science (CPCI-S) and Scopus.

### **The City of Prague**

Prague is the capital of the Czech Republic and is situated in the centre of Europe. It is a country with a rich and eventful history.

The seat of Czech rulers was established on Hradčany Hill above the Vltava valley prior to 900 A.D. Nowadays Prague is the country's major economic and cultural centre, famous for its music, literature, and architecture. Since 1992, the extensive historic centre of Prague has been included in the UNESCO list of World Heritage Sites, making the city one of the most popular tourist destinations in Europe that receives more than 4.1 million international visitors annually. They can enjoy exceptional views of the city from the top of one of the seven hills on which the city centre is built, or from the banks of the Vltava River with its eight islands and eighteen bridges. The true beauty of Prague lies in its architectural variety. Centuries of historic development have left it with all of the main styles of architecture.