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### Important Dates

Abstract submission: **1 February 2013**

**17 February 2013**

Notification of Acceptance: **15 April 2013**

Camera ready paper: **1 June 2013**

Early registration: **15 April – 30 June 2013**



### CALL FOR PAPERS



## IDAACS'2013

The 7<sup>th</sup> IEEE International Conference on  
**Intelligent Data Acquisition and  
Advanced Computing Systems:  
Technology and Applications**

**September 12-14, 2013**

**BERLIN, GERMANY**



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  
University of Applied Sciences,  
Hochschule für Technik und Wirtschaft (HTW)  
Berlin, Germany

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

### **Invitation**

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, IDAACS'2009 in Rende (Cosenza), Italy, IDAACS'2011 in Prague, Czech Republic. Now we would like to invite all our friends from the previous IDAACS as well as other researchers worldwide to participate in IDAACS'2013 in Berlin 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:

1. *Special Stream in Wireless Systems*
2. *Special Stream in Project Management*
3. *Special Stream in Cyber Security*
4. *Special Stream in High Performance Computing*
5. *Special Stream in eLearning Management*
6. *Special Stream in Advanced Information Technologies in Ecology*
7. Advanced Instrumentation and Data Acquisition Systems
8. Intelligent Distributed Systems and Remote Control
9. Virtual Instrumentation Systems
10. Cluster and Parallel Computing, Software Tools and Environments
11. Embedded Systems
12. Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems
13. Advanced Mathematical Methods for Data Acquisition and High Performance Computing
14. Digital Image and Signal Processing
15. Data Analysis and Modeling
16. Intelligent Information Systems, Data Mining and Ontology
17. Robotics and Autonomous Systems
18. Information Computing Systems for Education and Commercial Applications
19. Bio-Informatics
20. Safety, Security and Reliability of Software
21. Intelligent Testing and Diagnostics of Industrial Systems
22. Internet of Things

*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'2013 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'2013 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 IDAACS'2013 will be available soon 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.

### **The City of Berlin**

Berlin is the capital of Germany and one of the 16 states of Germany. With a population of 3.5 million people, Berlin is Germany's largest city and is the second most populous city proper and the eighth most populous urban area in the European Union.

Located in northeastern Germany, it is the center of the Berlin-Brandenburg Metropolitan Region, which has 5.9 million residents from over 190 nations. Located in the European Plains, Berlin is influenced by a temperate seasonal climate. Around one third of the city's area is composed of forests, parks, gardens, rivers and lakes.

Berlin is a world city of culture, politics, media, and science. Berlin also serves as a continental hub for air and rail transport, and is a popular tourist destination.

Berlin is home to renowned universities, research institutes, orchestras, museums, and celebrities, as well as host of many sporting events. The city is well known for its festivals, diverse architecture, nightlife, contemporary arts, public transportation networks and a high quality of living.