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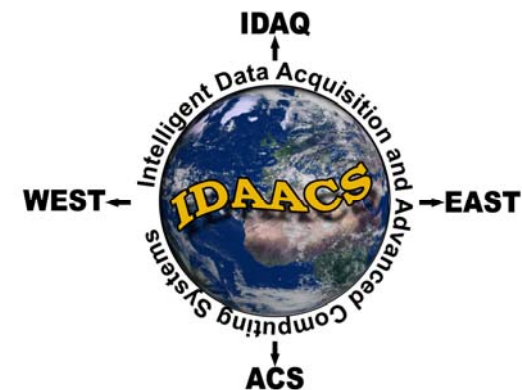
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IMPORTANT DATES

Abstract submission: **28 February 2015**
20 March 2015
Notification of Acceptance: **30 April 2015**
Camera-ready paper: **01 June 2015**
Early registration: **30 April – 30 June**



TENTATIVE CALL FOR PAPERS



IDAACS'2015

The 8th IEEE International Conference on
**Intelligent Data Acquisition
and Advanced Computing Systems: Technology and
Applications**

September 24-26, 2015
WARSAW, POLAND



Organized by

Research Institute for 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 Electronics and Information Technologies,
Faculty of Mathematics and Information Science,
Warsaw University of Technology
Warsaw, Poland
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, IDAACS'2013 in Berlin, Germany. Now we would like to invite all our friends from the previous IDAACS as well as other researchers worldwide to participate in IDAACS'2015 in Warsaw 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.

Tentative Streams and Topics

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

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

Conference Language

The official Conference language is English. No simultaneous translation will be provided. All materials concerning the IDAACS'2015 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'2015 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 4 pages minimum (in English only) according to the template.

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'2015 will be available soon at:

www.idaacs.net

Accepted papers will be published in Conference Proceedings and available in the IEEE Xplore and indexed by Scopus and DBLP. Conference Proceedings will be applied to Web of Science as well (most of past IDAACS Proceedings were indexed by Web of Science).

Selected papers will be collected for a publication in international journals indexed by Web of Science, Engineering Index (Compendex) and Scopus.

The City of Warsaw

Warsaw is the capital and largest city of Poland. It is located on the Vistula River, roughly 260 km. from the Baltic Sea and 300 km. from the Carpathian Mountains. Its population is estimated at 1.711 million residents within a greater metropolitan area of 2.666 million residents, which makes Warsaw the 9th most populous capital city in the European Union.

The first historical reference to Warsaw dates back to the year 1313, when initially Kraków served as the Polish capital city. Due to its central location between the Commonwealth's capitals of Kraków and Vilnius, Warsaw became the capital of the Commonwealth and the Crown of the Kingdom of Poland when King Sigismund III Vasa moved his court from Kraków to Warsaw in 1596.