Conference Co-Chairmen

Anatoly Sachenko, Ukraine
Grigore Stamatescu, Romania

**International Programme Committee
Co-Chairmen**

Dora Blanco Heras, Spain
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CORRESPONDENCE

The correspondence should be directed to
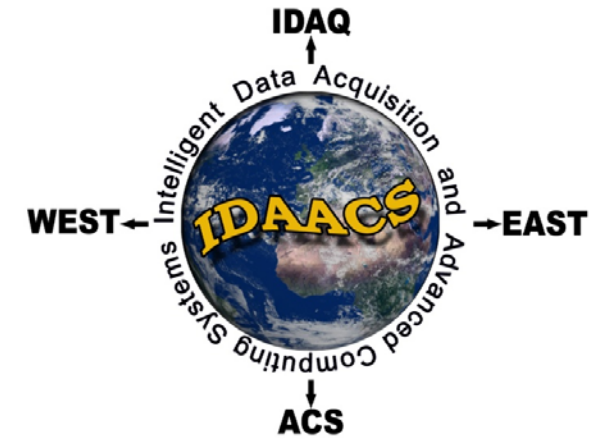IDAACS Organizing Committee:

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IMPORTANT DATES

Abstract submission: **15 February 2017**
Notification of Acceptance: **15 April 2017**
Camera ready paper: **01 June 2017**
Early registration: **15 April – 15 June**

TENTATIVE CALL FOR PAPERS

IDAACS'2017

The 9th IEEE International Conference on
**Intelligent Data Acquisition
and Advanced Computing Systems: Technology and
Applications**

September 21-23, 2017
BUCHAREST, ROMANIA

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 Automatic Control and Computer Science,
University "Politehnica" of Bucharest
Bucharest, Romania
www.idaacs.net**

Invitation

The 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, Italy, IDAACS'2011 in Prague, Czech Republic, IDAACS'2013 in Berlin, Germany, IDAACS'2015 in Warsaw, Poland. Now we would like to invite all our friends from the previous IDAACS as well as other researchers worldwide to participate in IDAACS'2017 in Bucharest and discuss latest achievements in 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 Computer Systems for Healthcare and Medicine
3. Special Stream in Cyber Security
4. Special Stream in eLearning Management
5. Special Stream in Intelligent Robotics and Cognitive Systems
6. Special Stream in Project Management
7. Special Stream in Wireless Systems
8. Advanced Instrumentation and Data Acquisition Systems
9. Advanced Mathematical Methods for Data Acquisition and Computing Systems
10. Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems
11. Bio-Informatics
12. Data Analysis and Modeling
13. Embedded Systems
14. Information Computing Systems for Education and Commercial Applications
15. Intelligent Distributed Systems and Remote Control
16. Intelligent Information Systems, Data Mining and Ontology
17. Intelligent Testing and Diagnostics of Computing Systems
18. Internet of Things
19. Pattern Recognition and Digital Image and Signal Processing
20. Software Tools and Environments
21. Virtual Instrumentation Systems

Conference Language

The official Conference language is English. No simultaneous translation will be provided. All materials concerning the IDAACS'2017 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'2017 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'2017 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 Bucharest

Bucharest is the capital and largest city of Romania and an important economic and cultural regional hub. Its population is estimated at 1.9 million residents. It is located on the Dambovita river, roughly 200 km. from the Black Sea and 130 km, from the Carpathian Mountains.

Bucharest was first mentioned in documents in 1459. It became the capital of Romania in 1862 and is the centre of Romanian media, culture and art.