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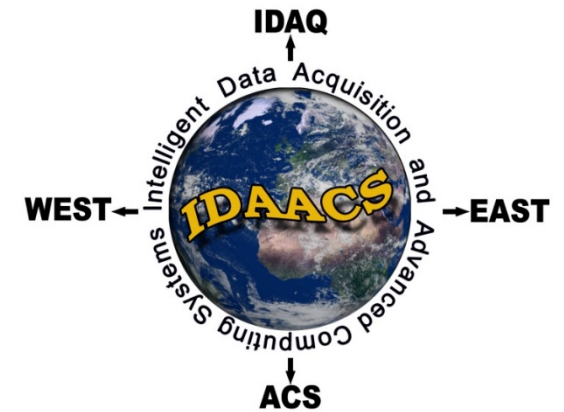
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IMPORTANT DATES

Abstract submission: **15 February 2019**
Notification of Acceptance: **15 April 2019**
Camera ready paper: **01 June 2019**
Early registration: **15 April – 15 June 2019**



TENTATIVE CALL FOR PAPERS



IDAACS'2019

The 10th IEEE International Conference on
**Intelligent Data Acquisition
and Advanced Computing Systems:
Technology and Applications**

September 18-21, 2019

METZ, FRANCE



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

ENIM (Ecole Nationale d'Ingénieur de Metz) and
LCOMS (Laboratory of Conception, Optimisation and
Modelling of Systems),
University of Lorraine, France

www.idaacs.net

Proceedings History

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, IDAACS'2017 in Bucharest, Romania. Now we would like to invite all our friends from the previous IDAACS as well as other researchers worldwide to attend the IDAACS'2019 in Metz 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.

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.

Conference Language and Publications

The official Conference language is English. No simultaneous translation will be provided. All materials concerning the IDAACS'2019 should be written in English. A number of selected papers will be collected for a publication in international journals indexed by Web of Science, Engineering Index (Compendex) and Scopus.

Tentative Streams and Topics

- The conference scope includes, but it's not limited to:
1. Advanced Mathematical Methods for Data Acquisition and Computing Systems
 2. Artificial Intelligence and Neural Networks for Advanced Data Acquisition and Computing Systems
 3. Bio-Informatics
 4. Data Analysis and Modeling
 5. Embedded Systems
 6. Information Computing Systems for Education and Commercial Applications
 7. Intelligent Distributed Systems and Remote Control
 8. Intelligent Information Systems, Data Mining and Ontology
 9. Intelligent Testing and Diagnostics of Computing Systems
 10. Pattern Recognition and Digital Image and Signal Processing
 11. Software Tools and Environments
 12. Virtual Instrumentation Systems
 13. Advanced Topics in Process Control: Theoretical and Industrial Developments*
 14. Big Data
 15. Special Stream in Advanced Information Technologies in Environmental Sciences
 16. Special Stream in Cyber Security
 17. Special Stream in Smart Metering
 18. Special Stream Human-Machine Interaction
 19. Special Stream in Intelligent Robotics and Sensors
 20. Special Stream in Project Management
 21. Special Stream in Wireless Systems
 22. System Instrumentation and Intelligent Data Acquisition in Advanced Manufacturing for Industry 4.
 23. Special Stream Smart Buildings and Smart Cities *
 24. Special Stream in High Performance Computing*
 25. Special Stream in Machine Learning
 26. Special Stream in Computer Systems for Healthcare and Medicine*
 27. Special Stream in Quantum Computing and Post-Quantum Cryptography
 28. Workshop Cyber Physical Systems and Internet of Things Dependability
- *under consideration

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'2019 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'2019 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 (previous IDAACS Proceedings were indexed by Web of Science).

The City of Metz

Metz is a city in northeast France located at the confluence of the Moselle and the Seille rivers.

Metz is the prefecture of the Moselle department and the seat of the parliament of the Grand Est region.

Metz has a rich 3,000-year-history, having variously been a Celtic oppidum, an important Gallo-Roman city, the Merovingian capital of Austrasia, the birthplace of the Carolingian dynasty, a cradle of the Gregorian chant, and one of the oldest republics in Europe.