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Important Deadlines

Abstract submission **Apr 3, 2009**
Notification of acceptance **May 22, 2009**
Camera ready paper submission
and Registration **July 7, 2009**



IDAACS'2009

IEEE 5th International Workshop on
Intelligent Data Acquisition and
Advanced Computing Systems:
Technology and Applications

September 21-23, 2009

RENDE (COSENZA), ITALY



UNIVERSITÀ DELLA CALABRIA
Dipartimento di ELETTRONICA,
INFORMATICA E SISTEMISTICA

Organized by
RESEARCH INSTITUTE OF INTELLIGENT
COMPUTER SYSTEMS
TERNOPII NATIONAL ECONOMIC
UNIVERSITY

in cooperation with
DEPARTMENT OF ELECTRONICS,
COMPUTER AND SYSTEM SCIENCE
UNIVERSITY OF THE CALABRIA

www.idaacs.net

Invitation

The main goal of the IDAACS'2009 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 monitoring, in medical monitoring systems and in laboratory measurement equipment. Advanced methods have been developed to enhance the measurement of information for automation, in process inspection, quality control, diagnostics, and other processes.

The importance of IDAACS'2009 is its vision to establish scientific contacts between research teams and scientists from different countries for future joint research collaborations. This interaction is proved by the successful activity of the scientists after the first IDAACS'2001 Workshop, which was held in Foros, Crimea, Ukraine, the second - IDAACS'2003, Lviv, Ukraine, the third - IDAACS'2005, Sofia, Bulgaria and the fourth - IDAACS'2007, Dortmund, Germany.

The Expected Benefit

IDAACS'2009 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'2009 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 Papers Publication

A number of selected best papers from the Workshop will be expanded and submitted for a publication in international journals in respective research area.

Workshop Topics

The topics to be covered include, but are not limited to, the following:

- ✓ Advanced Instrumentation and Data Acquisition Systems
- ✓ Intelligent Distributed Systems and Remote Control
- ✓ Virtual Instrumentation Systems
- ✓ Advanced and High Performance Computing Systems
- ✓ Cluster and Grid Technologies, Parallel 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
- ✓ Industrial Signal and Image Processing
- ✓ Data Analysis and Dynamic Modelling
- ✓ Intelligent Information and Retrieval Systems
- ✓ Robotics and Autonomous Systems
- ✓ Information Computing Systems for Education and Commercial Applications
- ✓ Bio-Informatics and Homeland Security
- ✓ Safety, Security and Reliability of Software
- ✓ *Special Stream on Wireless Systems*

It's expected to invite the recognized scientists organizing own Streams.

Accompanying Persons Program

A social and tour program will be organized.

Workshop Language

The official Workshop language is English. No simultaneous translation will be provided. All materials concerning the IDAACS'2009 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 IDAACS'2009 will be offered free of charge for sponsors only.

Submission

Prospective authors should submit a 3 pages summary of their work (in English only) using on-line submission system.

Each submission should present clearly the novelty and significance of the contribution, a list of references, and any figures or tables.

Details of submissions and all information concerning abstract preparation for IDAACS'2009 will be available soon at the web site:

www.idaacs.net

A submission implies willingness to register and present the work if the paper is accepted for presentation at the Workshop.

The Town of Rende

Rende is a town in Calabria, southern Italy, home to the headquarters of the University of Calabria. It has a population of about 35,000. It is divided in two parts: the old town, which is above a high hill, and the modern area, on level ground, which is part of the urban area of Cosenza and the centre of the city's economy. The Campus is far 20 minutes by walking from the railway connecting Cosenza and the Tirreno Sea, in the city of Paola. The trip by train to sea is 15 minutes long. The International Airport of Lamezia Terme is far about 70 km.