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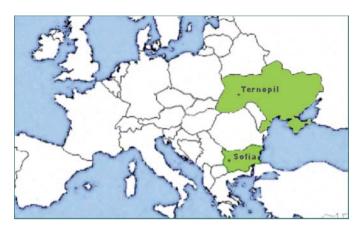
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Where Bulgaria is situated?



Bulgaria occupies the eastern portion of the Balkan Peninsula. The now democratic Republic of Bulgaria (111,000 square kilometers) is bounded by Romania on the north, the border being marked by the Lower Danube River. The Black Sea lies to the east, Turkey and Greece to the south and Yugoslavia and FYR of Macedonia to the west. IDAACS'2005 is held in Sofia, the capital city of Bulgaria.

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History web-pages:

http://skiathos.physics.auth.gr/idaacs/IDAACS_2003 (Greece, Thessaloniki) http://www.umcs.maine.edu/~markov/idaacs2003 (USA, state Maine)



INSTITUTE OF COMPUTER
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TECHNICAL UNIVERSITY OF SOFIA, Bulgaria





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

September 5-7, 2005

SOFIA, BULGARIA

Invitation

The main goal of the IDAACS'2005 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'2005 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 hold in Foros, Crimea, Ukraine and the second IDAACS'2003, Lviv, Ukraine.

The Expected Benefit

IDAACS'2005 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'2005 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 selection of BEST PAPERS will be proposed for publication in a Special Issue of the international journals: "Computer Standards & Interfaces", "IEEE Transactions on Instrumentation & Measurement", "Sensors and Systems" ("Datchiki i Sistemy" in Russian), "Computing" (in English, Ukrainian and Russian).

Workshop Language

The official Workshop language is English. No simultaneous translation will be provided. All materials concerning the IDAACS'2005 should be written in English.

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 Modeling
- ◆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

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'2005 will be offered free of charge for sponsors only.

Accompanying Persons Program

A cultural and tour program will be organized.

Submission

Prospective authors should submit a 3 pages summary of their work (in English only) by e-mail to: idaacs@tanet.edu.te.ua. Each submission should present clearly the novelty and significance of the contribution, a list of references, and any figures or tables and must be accompanied with author name(s), affiliation(s), institution(s), address(es), phone number(s), fax number(s), e-mail address(es) and the name of contact author.

Details of submissions and all information concerning abstract preparation for IDAACS'2005 can be found at the web site:

http://www.idaacs.ssft.net

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