INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:
Intelligent Data Processing and Software Paradigms

Name, Title and Affiliation of Chair:
Prof. M. Favorskaya, Reshetnev Siberian State University of Science and Technology, Russian Federation
Prof. L. Jain, Bournemouth University, UK
Prof. M. Sergeev, Saint Petersburg State University of Aerospace Instrumentation, Russian Federation

Details of Session (including aim and scope):

RESEARCH PAPERS ARE INVITED ON ALL ASPECTS OF INTELLIGENT DATA PROCESSING AND SOFTWARE PARADIGMS

Intelligent data processing including different types of data is the cornerstone of tremendous amount of numerical methods and algorithms. The goal of this session is to develop the methodologies of intelligent data processing for various applications, as well as software paradigms as the promising techniques for algorithms' implementation.

The topics of interests include but are not limited to:
- Intelligent visual and audio data processing
- Watermarking algorithms
- Visual question answering
- Orthogonal matrices and their applications
- Images compression and protection
- Parallel algorithms
- Special software for parallel programming
- Formal verification of programs
- Enhanced software tools
- Hybrid artificial intelligent systems
- Evaluation and stability in intelligent systems
- Intelligent human-computer interaction systems
- Transmission media and data encoding
- Intelligent forecasting applications
- Mobility intelligence and semantic applications
- Intelligent security systems and applications

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Website URL of Call for Papers (if any):

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