

CSIT'2006

Proceedings of the 8th International Workshop on

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The Workshop on Computer Science and Information Technologies (CSIT) is an annual high quality international conference providing a forum for exchange of scientific achievements between research communities of Eastern Europe and the rest of the world in the area of computer science and information technologies. *The 8th International Workshop on Computer Science and Information Technologies (CSIT'2006)* was aimed at bringing together researchers, practitioners, developers, and users to explore new concepts, tools and techniques for advanced information technologies. The symposium lasted two days, the program of each day being organized in the sessions.

The papers are included as they are submitted by the authors, without editing

Foreword

These proceedings contain the full texts of the papers, selected for presentation at the 8th International Workshop on Computer Science and Information Technologies (CSIT'2006). The previous four Workshops on Computer Science and Information Technologies (CSIT) were conducted in Moscow (1999), Ufa (2000, 2001, 2003, 2005), Patras, Greece (2002), Budapest, Hungary (2004). The workshops aim at bringing together researchers from different areas, including Distributed Information Systems, Data&Knowledge Management, Robotics, Sensor-Actuator Networks, IT Applications. These areas are heavily related nowadays. Agent technology, Peer-to-Peer Information management and ubiquitous computing are just examples of the strong interrelationship between these disciplines. The Workshop organizers' idea was to provide a platform for cross disciplinary discussions in the framework of the triangle "Information-Communications-Control".

This year's workshop, CSIT'2006 was organized by one of the leading technical universities of Germany, University of Karlsruhe in collaboration with Ufa State Aviation Technical University and the Russian Foundation for Basic Research.

The workshop attracted more than hundred submitted technical papers including both conceptual and experience papers. Both types of submissions were evaluated similarly, in accordance with high standards of international forums. The careful reviewing procedure by the program committee resulted in 56 papers being chosen for the presentation in the international track. Some of the experience papers, especially at the industrial sessions, reflect the results in development/application of real systems, and were considered by the program committee to be of interest to a wider community.

The Program Committee would like to extend appreciation to all those who submitted the preliminary versions of the papers or extended abstracts for international peer reviewing.

Our thanks also go to all the attendees of the Workshop here in Karlsruhe that boosted the research activity in the Computer Science and Information Technologies areas.

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