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## PREFACE

The scope of the International Book Series "Information Science and Computing" (IBS ISC) covers the area of Informatics and Computer Science. It is aimed to support growing collaboration between scientists from all over the world. IBS ISC is official publisher of the works of the members of the ITHEA International Scientific Society.

The official languages of the IBS ISC are English and Russian.

IBS ISC welcomes scientific papers and books connected with any information theory or its application.

IBS ISC rules for preparing the manuscripts are compulsory. The rules for the papers and books for IBS ISC are given on [www.foibg.com/ibisc](http://www.foibg.com/ibisc). The camera-ready copy of the papers and books should be received by e-mail: [info@foibg.com](mailto:info@foibg.com).

Responsibility for papers and books published in IBS ISC belongs to authors.

The Number 5 of the IBS ISC contains collection of papers in which are presented applications of Artificial Intelligence in different areas of our life. Papers are peer reviewed and are selected from the several International Conferences, which were part of the Joint International Events of Informatics "ITA 2008", Varna, Bulgaria.

ITA 2008 has been organized by

Institute of Information Theories and Applications FOI ITHEA

in collaboration with:

- ITHEA International Scientific Society
- International Journal "Information Theories and Applications"
- International Journal "Information Technologies and Knowledge"
- Association of Developers and Users of Intelligent Systems (Ukraine)
- Association for Development of the Information Society (Bulgaria)
- V.M.Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Institute of Information Technologies, BAS (Bulgaria)
- Institute of Mathematics of SD RAN (Russia)
- Taras Shevchenko National University of Kiev (Ukraine)
- Universidad Politecnica de Madrid (Spain)
- BenGurion University (Israel)
- Rzeszow University of Technology (Poland)
- University of Calgary (Canada)
- University of Hasselt (Belgium)
- Kharkiv National University of Radio Electronics (Ukraine)
- Astrakhan State Technical University (Russia)
- Varna Free University "Chernorizets Hrabar" (Bulgaria)
- National Laboratory of Computer Virology, BAS (Bulgaria)
- Uzhgorod National University (Ukraine)
- Sofia University "Saint Kliment Ohridski" (Bulgaria)
- Technical University – Sofia (Bulgaria)
- New Bulgarian University (Bulgaria)

The main ITA 2008 events were:

<b>KDS</b>	XIVth International Conference "Knowledge - Dialogue – Solution"
<b>i.Tech</b>	Sixth International Conference "Information Research and Applications"
<b>MeL</b>	Third International Conference "Modern (e-) Learning"
<b>ISK</b>	Second International Scientific Conference "Informatics in the Scientific Knowledge"
<b>INFOS</b>	International Conference "Intelligent Information and Engineering Systems"
<b>GIT</b>	Sixth International Workshop on General Information Theory
<b>CS</b>	Third International Workshop "Cyber Security"
<b>eM&amp;BI</b>	Second International Workshop "e-Management & Business Intelligence"
<b>IMU ICT</b>	International Seminar "Information Models' Utility in Information and Communication Technologies"
<b>ISSI</b>	Second International Summer School on Informatics

More information about ITA 2008 International Conferences is given at the [www.foibg.com](http://www.foibg.com).

The great success of ITHEA International Journals, International Book Series and International Conferences belongs to the whole of the ITHEA International Scientific Society.

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*Kr. Markov, Kr. Ivanova, I. Mitov*