PREFACE

Intelligo ut credam !

The **International Journal "Information Technologies and Knowledge**" (IJ ITK) has been established in 2007 as independent scientific printed and electronic media. IJ ITK is edited by the *Institute of Information Theories and Applications FOI ITHEA* in collaboration with the leading researchers from the:

- Institute of Cybernetics "V.M.Glushkov", NASU (Ukraine);
- Institute of Mathematics and Informatics, BAS (Bulgaria);.
- University of Hasselt (Belgium).
- Natural Computing Group (NCG) of the Technical University of Madrid (Spain)
- Astrakhan State Technical University (Russia)
- Taras Shevchenko National University of Kiev (Ukraine)
- University of Calgary (Canada);
- VLSI Systems Centre, Ben-Gurion University (Israel)

The main scope of the IJ ITK covers but is not limited to the theoretical research, applications and education in the area of the Information Technologies for:

- Knowledge Collecting and Accumulation
- Knowledge Discovery and Acquisition
- Knowledge Level Modeling
- Knowledge Management -Transfer and Distributing
- Knowledge Market
- Knowledge Representation and Processing
- Knowledge Utilization
- Knowledge-based Society
- Knowledge-based Systems

Many scientific and practical areas are connected to the topics of interest of IJ ITK:

- Business Informatics: e-Management, e-Finance, e-Commerce, e-Banking,
- Business Intelligence: Methodology, Tools and Technologies, Analytics and Statistics;
- Cognitive science
- Competitive Intelligence;
- Data Mining
- Decision Making
- e-Management in Governmental and Municipal Structures: Models, Systems, e-Government, etc.
- Information Technologies in Biomedicine
- Intelligent Communication Technologies and Mobile Systems
- Intelligent Robots
- Intelligent Systems
- Intelligent Technologies in Control and Design
- Modern (e-) Learning Information Technologies
- Multimedia Semantic Systems
- P2P e-Learning Applications
- Planning and Scheduling
- Socio-cognitive engineering
- Technology and Human Resource Issues
- Technology-based Blended, Distance and Open Learning
- Web-based Technologies and Systems, AI/Semantic Web
- etc.

More information about the IJ ITK rules for preparing and submitting the papers as well as how to take out a subscription to the Journal may be obtained from www.foibg.com.

The International Journal "Information Technologies and Knowledge" (IJ ITK) continues the series of international scientific events, which were initiated more than fifteen years ago. It is originated owing to initiative of ADUIS - Association of Developers and Users of Intelligent Systems (Ukraine) and Institute of Information Theories and Applications FOI ITHEA, (Bulgaria), which have long-term experience of collaboration.

Volume 1/2007 of the IJ ITK contains 68 papers written by 130 authors from 12 countries: Belarus, Bulgaria, Egypt, Finland, France, Germany, India, Jordan, Russia, Spain, Ukraine, and USA; selected from several international conferences, seminars and workshops organized or supported by the Journal. At the first place, the main source for selection were the ITA 2006 Joint International Events on Information Theories and Applications, (June 20-July 07, 2006, Varna, Bulgaria):

- International Conference "Modern (e-) Learning" (MeL 2006);
- IV-th International Conference "Information Research and Applications" (i.TECH 2006);
- XII-th International Conference "Knowledge-Dialogue-Solution" (KDS 2006);
- IV-th International Workshop on Multimedia Semantics (WMS 2006);
- Workshop on Cyber Security (CS 2006).

Several papers were selected from the pool of papers directly submitted to IJ ITK.

Congratulations to *Juan Castelanos* (Spain) and *Georgi Totkov* (Bulgaria) who were awarded by the International Prize "**ITHEA**" for the year 2006. The "ITHEA" Prize has been established in 1995. It is aimed to mark the achievements in the field of the information theories and applications.

International Prize "ITHEA"

Awarded Scientists till 2006:

1995	*Sandansky*	*K. Bankov, P. Barnev, G. Gargov, V. Gladun, R. Kirkova, S. Lazarov, S. Pironkov, V. Tomov*
1996	*Sofia*	*T. Hinova, K. Ivanova, I. Mitov, D. Shishkov, N. Vashchenko*
1997	*Yalta*	*Z. Rabinovich, V. Sgurev, A. Timofeev, A. Voloshin*
1998	*Sofia*	*V. Jotsov*
1999	*Sofia*	*L. Zainutdinova*
2000	*Varna*	*I. Arefiev, A. Palagin*
2001	*St.Peterburg*	*N. Ivanova, V. Koval*
2002	*Primorsko*	*A. Milani, M. Mintchev*
2003	*Varna*	*T. Gavrilova, A. Eskenazi, V. Lozovskiy, P. Stanchev*
2004	*Varna*	*B. Kokinov, T. Vamos*
2005	*Varna*	*L.F. de Mingo, M. Dobreva*
2006	*Varna*	*J. Castelanos, G. Totkov*

Krassimir Markov
IJ ITK Founder and Editor in chief