
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.

This Volume 3/2009 of the IJ ITK contains **XX** invited papers.

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 success of IJ ITK belongs to the whole of the ITHEA International Scientific Society. We express our thanks to all authors, editors and collaborators who had developed and supported the International Journal on Information Technologies and Knowledge.

XVth anniversary of the International Prize "ITHEA"!

The **International Prize "ITHEA"** for outstanding achievements in the area of information theories and applications has been established in 1995.

For fifteen years, 41 leading scientists of the ITHEA International Scientific Society have been awarded by the "ITHEA" Prize.

Congratulations to Prof. Anatoliy Danilovich Krissilov who has been awarded by the "ITHEA" Prize for 2009 year.

Awarded Scientists till 2009:

1995	<i>Sandansky</i>	<i>K. Bankov, P. Barnev, G. Gargov, V. Gladun, R. Kirkova, S. Lazarov, S. Pironkov, V. Tomov</i>
1996	<i>Sofia</i>	<i>T. Hinova, K. Ivanova, I. Mitov, D. Shishkov, N. Vashchenko</i>
1997	<i>Yalta</i>	<i>Z. Rabinovich, V. Sgurev, A. Timofeev, A. Voloshin</i>
1998	<i>Sofia</i>	<i>V. Jotsov</i>
1999	<i>Sofia</i>	<i>L. Zainutdinova</i>
2000	<i>Varna</i>	<i>I. Arefiev, A. Palagin</i>
2001	<i>St.Peterburg</i>	<i>N. Ivanova, V. Koval</i>
2002	<i>Primorsko</i>	<i>A. Milani, M. Mintchev</i>
2003	<i>Varna</i>	<i>T. Gavrilova, A. Eskenazi, V. Lozovskiy, P. Stanchev</i>
2004	<i>Varna</i>	<i>B. Kokinov, T. Vamos</i>
2005	<i>Varna</i>	<i>M. Dobрева, L.F. de Mingo, N.Zagoruiko, A.Zakreuskii</i>
2006	<i>Varna</i>	<i>J. Castellanos, G. Totkov</i>
2007	<i>Kiev</i>	<i>V. Donchenko</i>
2008	<i>Varna</i>	<i>Vladimir Lovitskii, Orly Yadid-Pecht</i>
2009	<i>Varna</i>	<i>A. Krissilov</i>

Krassimir Markov

IJ ITK Founder and Editor in chief