



ITA 2007



X-th Joint International Scientific Events on **INFORMATICS**

17 June - 8 July, 2007, Varna, Bulgaria

Dedicated to

60-th anniversary of the Institute of Mathematics and Informatics of BAS
15-th anniversary of Association of Developers and Users of Intellectualized Systems
10-th anniversary of Association of Development of the Information Society

General sponsor: [FOI Bulgaria](#)

ITA 2007 is supported by

International Journal "Information Theories and Applications"
International Journal "Information Technologies and Knowledge"

17-25 June 2007

25 June - 01 July 2007

01-07 July 2007



KDS 2007

XIII-th International Conference
Knowledge-Dialogue-Solutions



i.Tech 2007

V-th International Conference on
Information Research and Applications



MeL 2007

II-nd International Conference on
Modern (e-) Learning



GIT 2007

V-th International Workshop on
General Information Theory



CS 2007

II-nd Int. Workshop on
Cyber Security



eM&BI 2007

International Conference on
e-Management & Business Intelligence



WMS 2007

Fifth Special Workshop on
Multimedia Semantics



SF 2007

INTAS Workshop on
Strategic Forecasting



Bi 2007

International Summer School on
Business Informatics

ITA 2007 will take place at the [Hotel "PANORAMA"](#)
in the resort "St. Constantine & St. Helena", Varna, Bulgaria.



KDS 2007
Thirteenth International Conference
Knowledge-Dialogue-Solution
June 17-25, 2007, Varna (Bulgaria)

The Conference continues the series of annual international KDS events organized by
Association of Developers and Users of Intelligent Systems (ADUIS)

Supported by

The International Journal "Information Theories and Applications"[®]
The International Journal "Information Technologies and Knowledge"[®]

Official languages: Russian and English

Conference organizers

- National Academy of Sciences of Ukraine
- Association of Developers and Users of Intelligent Systems(Ukraine)
- International Journal "Information Theories and Applications"
- V.M.Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- Taras Shevchenko National University of Kiev (Ukraine)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Institute of Mathematics of SD RAN (Russia)

Basic Topics of the Conference:

The conference is traditionally devoted to discussion of current research and applications regarding three basic directions of intelligent systems development: **Knowledge Processing, Natural Language Interface and Decision Making.**

Topics of interest include, but are not limited to:

Data Mining and Knowledge Discovery	Logical Inference
Decision Making	Machine Learning
Informatization of Scientific Research	Multi-agent Structures and Systems
Intelligent NL Text Processing	Neural and Growing Networks
Intelligent Technologies in Control and Design	Philosophy and Methodology of Informatics
Knowledge-based Society	Planning and Scheduling
Knowledge Engineering	Problems of Computer Intellectualization

Thematic sessions:

The KDS 2007 Program Committee invites proposals for half-day thematic sessions in the important areas of the Artificial Intelligence.

The guidance of these sessions will be entrusted to authoritative scientists who have actively participated in the KDS conferences and have established and published their own systems of ideas (philosophy) and have created own scientific schools of followers.

The thematic session need to include one survey, at least two additional papers, which extend some topics of the survey and/or present any new results, and discussion.

Program Committee

			Victor Gladun (Ukraine)		
			Alexey Voloshin (Ukraine)		
			Krassimir Markov (Bulgaria)		
Anatoly Anisimov (Ukraine)	Alexander Kleshchev (Russia)	Vasil Sgurev (Bulgaria)			
Igor Arefiev (Russia)	Victor Krisilov (Ukraine)	Vladislav Shelepov (Ukraine)			
Frank Brown (USA)	Oleg Kuznetsov (Russia)	Anatoly Shevchenko (Ukraine)			
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Natalia Filatova (Russia)	Xenia Naidenova (Russia)	Adil Timofeev (Russia)			
Constantin Gaindric (Moldova)	Olga Nevzorova (Russia)	Enn Tuygu (Estonia)			
Tatyana Gavrilova (Russia)	Genady Osipov (Russia)	Vadim Vagin (Russia)			
Krassimira Ivanova (Bulgaria)	Alexander Palagin (Ukraine)	Jury Valkman (Ukraine)			
Vladimir Jotsov (Bulgaria)	Vladimir Pasechnik (Ukraine)	Neonila Vashchenko (Ukraine)			
Julia Kapitonova (Ukraine)	Zinoviyy Rabinovich (Ukraine)	Stanislav Wrycza (Poland)			
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Nadezhda Kiseleyova (Russia)	Galina Rybina (Russia)	Arkady Zakrevskij (Belarus)			



i.TECH 2007
Fourth International Conference
Information Research and Applications
June 25- July 01, 2007, Varna (Bulgaria)

Supported by

The International Journal "Information Theories and Applications"[®]
The International Journal "Information Technologies and Knowledge"[®]

Official languages: English and Russian

Conference organizers

- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- V.M.Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Association of Developers and Users of Intelligent Systems(Ukraine)
- Varna Free University "Chernorizets Hrabar" (Bulgaria)

Aims and Scope

The conference is devoted to discussion of current research and applications regarding the basic directions of computer science.

Topics of interest include, but are not limited to:

Applied program systems
Business Informatics
Extreme programming
Hyper technologies
Information Modelling
Information systems
Multimedia systems
Performance Evaluation of Computer and Telecommunication Systems
Quality of the programs
Software engineering
Statistical systems

Program Committee

	Victor Gladun	(Ukraine)			
	Avram Eskenazi	(Bulgaria)			
	Krassimir Markov	(Bulgaria)			
Levon Aslanyan	(Armenia)	Luis Fernando de Mingo	(Spain)		
Frank Brown	(USA)	Martin Mintchev	(Canada)		
Juan Castellanos	(Spain)	Ilia Mitov	(Bulgaria)		
Laura Ciocoiu	(Romania)	Radoslav Pavlov	(Bulgaria)		
Stefan Dodunekov	(Bulgaria)	Ivan Popchev	(Bulgaria)		
Alexander Gerov	(Bulgaria)	Stoyan Poryazov	(Bulgaria)		
Krassimira Ivanova	(Bulgaria)	Vladimir Ryazanov	(Russia)		
Rumiana Kirkova	(Bulgaria)	Peter Stanchev	(USA)		
Tsvetanka Kovacheva	(Bulgaria)	Adil Timofeev	(Russia)		
Alexander Kuzemin	(Ukraine)	Koen Vanhoof	(Belgium)		
Krassimir Manev	(Bulgaria)	Alexey Voloshin	(Ukraine)		
Plamen Mateev	(Bulgaria)	Orly Yadid-Pecht	(Izrael)		
Alfredo Milani	(Italy)	Arkady Zakrevskij	(Belarus)		



MeL 2007
Second International Conference
Modern (e-) Learning
July 1-7, 2007, Varna (Bulgaria)

Supported by

The International Journal "Information Theories and Applications"[®]
The International Journal "Information Technologies and Knowledge"[®]

Official languages: English and Russian

Conference organizers

- Astrakhan State Technical University (Russia)
- University of Hasselt (Belgium)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Plovdiv State University "Paisii Hilendarski" (Bulgaria)
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- V.M.Glushkov Institute of Cybernetics, NAS (Ukraine)
- Association of Developers and Users of Intelligent Systems (Ukraine)
- Taras Shevchenko National University of Kiev (Ukraine)
- Varna Free University "Chernorizets Hrabar" (Bulgaria)
- Ufa State Aviation Technical University (Russia)
- Markoff College (Bulgaria)
- Mount Wachusett Community College, Gardner, MA (USA)

Aims and Scope

The conference is devoted to discussion of current research and applications regarding the basic directions of modern (e-) learning:

- Philosophy and Methodology of the Modern (e-) Learning
- Modern (e-) Learning Technologies.

Topics of interest include, but are not limited to:

Methodology
Pedagogical and Organizational Frameworks
Multimedia Educational Systems
AI/Semantic Web Technologies
Web-based Educational Systems

Program Committee

		Larissa Zaynutdinova (Russia)			
		Alexey Voloshin (Ukraine)			
		Krassimir Markov (Bulgaria)			
Petia Asenova (Bulgaria)		Luis Fernando de Mingo (Spain)			
Teodora Bakardzieva (Bulgaria)		Ilia Mitov (Bulgaria)			
Darina Dicheva (USA)		Radoslav Pavlov (Bulgaria)			
Milena Dobрева (Bulgaria)		Dmitry Popov (Russia)			
Stefan Dodunekov (Bulgaria)		Irena Robert (Russia)			
Avram Eskenazi (Bulgaria)		Jeanne Schreurs (Belgium)			
Tatiana Gavrilova (Russia)		Valeriy Semenev (Ukraine)			
Arsenia Grigorova (Bulgaria)		Evgeniya Sendova (Bulgaria)			
Vincent Ialenti (USA)		Velina Slavova (Bulgaria)			
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Krassimira Ivanova (Bulgaria)		Yordan Tabov (Bulgaria)			
Natalia Ivanova (Russia)		Edward Terceiro, Jr. (USA)			
Maria Kasheva (Bulgaria)		Adil Timofeev (Russia)			
Vladimir Kukharenko (Ukraine)		George Totkov (Bulgaria)			
Nikolay Lyutov (Bulgaria)		Julita Vassileva (Canada)			
Nelly Maneva (Bulgaria)		Irina Zheliazkova (Bulgaria)			



eM&BI 2007
International Conference
e-Management & Business Intelligence
July 1-7, 2007, Varna (Bulgaria)

Supported by

The International Journal "Information Theories and Applications"[®]
The International Journal "Information Technologies and Knowledge"[®]

Official languages: Russian and English

Conference organizers

- Astrakhan State University (Russia)
- University of Hasselt (Belgium)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Plovdiv State University "Paisii Hilendarski" (Bulgaria)
- Association of Developers and Users of Intelligent Systems(Ukraine)
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- V.M.Glushkov Institute of Cybernetics of NAS of Ukraine
- Taras Shevchenko National University of Kiev (Ukraine)
- Kharkov National University of Radio Electronics (Ukraine)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Varna Free University "Chernorizets Hrabar" (Bulgaria)

Aims and Scope

The conference is devoted to discussion of current research and applications regarding the basic directions of business informatics: e-management and business intelligence.

Topics of interest include, but are not limited to:

- e-Management in Governmental and Municipal Structures: Models, Systems, e-Government, etc.
- Business Informatics: e-Management, e-Finance, e-Commerce, e-Banking, Management and Economics of Education, etc.
- Communication Technologies and Mobile Systems in e-Management
- Business Intelligence: Methodology, Tools and Technologies, Analytics and Statistics
- Competitive Intelligence
- Corporative e-Culture.

Program Committee

		Irina Petrova (Russia)			
		Koen Vanhoof (Belgium)			
		Krassimir Markov (Bulgaria)			
Levon Aslanyan (Armenia)			Alfredo Milani (Italy)		
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Juan Castellanos (Spain)			Alexander Palagin (Ukraine)		
Laura Ciocoiu (Romania)			Ivan Popchev (Bulgaria)		
Avram Eskenazi (Bulgaria)			Stoyan Poryazov (Bulgaria)		
Krassimira Ivanova (Bulgaria)			Jeanne Schreurs (Belgium)		
Anna Kantcheva (Bulgaria)			Ekaterina Solovyova (Ukraine)		
Alexander Kuzemin (Ukraine)			Peter Stanchev (Bulgaria)		
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Igor Lyashenko (Ukraine)			Alexey Voloshin (Ukraine)		
Nikolay Lyutov (Bulgaria)			Axentia Zamfirova (Bulgaria)		



Bi 2007
International Summer School on
Business Informatics
July 1-7, 2007, Varna (Bulgaria)

Official languages: Russian and English

Summer school organizers

- Association of Developers and Users of Intelligent Systems (Ukraine)
- University of Hasselt (Belgium)
- Astrakhan State University (Russia)
- Plovdiv State University "Paisii Hilendarski" (Bulgaria)
- Taras Shevchenko National University of Kiev (Ukraine)
- Kharkov National University of Radio Electronics (Ukraine)
- Varna Free University "Chernorizets Hrabar" (Bulgaria)
- V.M.Glushkov Institute of Cybernetics of NAS of Ukraine
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)

Aims and Scope

The International Summer School is devoted to discussion of current research results and applications regarding the basic direction of business informatics: e-management for e-business.

Topics of interest include, but are not limited to:

- e-Management for e-Business
- Business Intelligence
- Competitive Intelligence
- Corporative e-Culture.

e-Management for e-Businesses. The development of e-business systems will dominate the enterprise IT agenda, and be incorporated into the entire business process – from advertising and marketing, through to sales, ordering, manufacturing, distribution, customer service, after-sales support and replenishment of inventory. **What is e-business?** Simply put, it is the application of electronic technologies to streamline business interactions, both internally and with customers, suppliers and partners. It requires rethinking virtually everything an organization does – financing, recruiting, employee relations and, inevitably, IT services.

And because their customers will be affected by e-business, so will the management software industry. Indeed, unless the vendors adopt e-business practices, they run the risk of falling behind and eventually being replaced by a new wave. At a minimum, the management software industry will have to make more effective use of their websites, a point some vendors already recognize. For example, Network Associates, INS (now part of Lucent) and Cisco offer customers the ability to purchase and directly download software via the Web. This will become a standard offering within the industry over the next two years.

Business intelligence (BI) has two basic different meanings related to the use of the term “intelligence”.

The primary, less frequently, is the human intelligence capacity applied in business affairs/activities. “Intelligence of Business” is a new field of the investigation of the application of human cognitive faculties and artificial intelligence technologies to the management and decision support in different business problems.

The second relates to the intelligence as information valued for its currency and relevance. It is expert information, knowledge and technologies efficient in the management of organizational and individual business. Therefore, in this sense, business intelligence is a broad category of applications and technologies for gathering, providing access to, and analyzing data for the purpose of helping enterprise users make better business decisions. The term implies having a comprehensive knowledge of all of the factors that affect your business. It is imperative that you have an in depth knowledge about factors such as your customers, competitors, business partners, economic environment, and internal operations to make effective and good quality business decisions. Business intelligence enables you to make these kinds of decisions.

A specialized field of business intelligence known as “**competitive intelligence**” focuses solely on the external competitive environment. Information is gathered on the actions of competitors and decisions are made based on this information.

ITA 2007

**Joint International Scientific Conferences on Informatics
June 18 - July 08, 2007, Varna, Bulgaria**

PAPERS and DEADLINES

Papers:

Papers accepted by the Program Committees will be published in the corresponded conference proceedings. The Program Committees will recommend the accepted papers in English for free publishing in the International Journal "Information Theories and Applications"[®] (IJ ITA) or the International Journal " Information Technologies and Knowledge "[®] (IJ ITK).

Papers need to be up to 8 pages in the format given at the web: <http://www.foibg.com/ijita/ijrules.doc>.

Deadlines:

- February 15, 2007:** submission of **final paper** by e-mail: info@foibg.com
March 31, 2007: **notification** of the paper acceptance
April 15, 2007: submission of **visa application forms** by e-mail: info@foibg.com
May 15, 2007: **registration and hotel reservation**

REGISTRATION FEES

Registration fees:

- EURO 200 - for one paper and one participant who will present the paper
EURO 100 - for phd student with individual paper
EURO 50 - for additional author of the paper or for participant without paper
EURO 40 - for accompanying person

Registration fees for participants form FSU countries:

- EURO 80 - for one paper and one participant who will present the paper
EURO 60 - for phd student with individual paper
EURO 50 - for additional author of the paper or for participant without paper
EURO 40 - for accompanying person

Registration fees for Bulgarian participants (in Levas):

- 160 Lv. - for one paper and one participant who will present the paper form Bulgaria
120 Lv. - for phd student with individual paper
100 Lv. - for additional author of the paper or for participant without paper
80 Lv. - for accompanying person

Proceedings' prices:

- Additional exemplar of proceedings: EURO 15.
Complete set of proceedings of ITA 2007: EURO 40.
Post expenses per book: EURO 15.

The registration fee should be paid to:

in EUROS

Bank name: Bulbank AD
Bank address: 7 Sveta Nedelya Square,
Sofia 1000, Bulgaria
IBAN: BG07 BFTB 7630 1475 7438 08
BIC (SWIFT): BFTB BGSF
Account holder: Institute of Information Theories and Applications
FOI ITHEA

in Bulgarian Levs

Bulbank AD
7 Sveta Nedelya Square,
Sofia 1000, Bulgaria
BG95 BFTB 7630 1076 6500 80
BFTB BGSF
Institute of Information Theories and Applications
FOI ITHEA

The corresponding bank may be any of:
Credit Lyonnais, New York
The Chase Manhattan Bank, New York

All bank commissions must be paid by the sender!

Submit papers and questions to:

Krassimir Markov
e-mail: info@foibg.com
Post address: P.O.Box 775, 1090 Sofia, Bulgaria
Tel. / fax: (+ + 359 2) 920 19 69

IMPORTANT INFORMATION FOR ITA 2007 PARTICIPANTS

(last updated : 11.11.2006)

1. Contacts

For contacts during the conference we offer our mobile phones:

0878 89 07 07, 0878 966 411, 0878 89 07 08

Phone of the PANORAMA HOTEL is: (+359 52) 36 28 98.

Web information: www.panoramahotel.bg

2. Travel to the conference

2.1. From Varna

The PANORAMA HOTEL is situated at the road from Varna to Golden Sands resort.

Please, see the map http://www.panoramahotel.bg/get_eng.html .

The busses from Varna to Zlatni Piasatci: 9, 109, 209, 309, 409 may be used.

The name of the bus stop is "PANORAMA".

2.2. From Sofia

There exist two variants for travelling from Sofia to Varna:

- trains from the Central Railway Station: <http://bdz.creato.biz/en> , www.bdz.bg
- buses from the Central Bus Station near the Central Railway Station: www.centralnaavtogara.bg .

2.3. In Sofia

The transport from the Sofia airport to the Central railway station and Central Bus Station are:

- bus number 84 or 284 to bus stop "PLISKA". Than bus number 213 or 313 to the Central railway station.
NOTE: For the big luggage one need to pay one ticket more.
- mini-bus from airport to the station. The prices is 1.50 leva (and may be some more for the luggage).
- taxi-cab: **we do not recommend** to use this transport from the airport, because for the foreigners the prices are not real (very expensive).

3. Medicines

We want to remind if you use some special medicines not to forget them.

4. Currency

The fixed official exchange rate: 1 EURO = 1.95583 LEVA (i.e. about 2 leva).

In the change offices the exchange rate differs from 1.9 to 1.95.

If you need to change money please be careful when you choose the change office. At the airport usually the rates are not preferable!!!

Some change offices writes the fixing on the front table, which is not the real rate for usual exchange (it may be the rate for cheques or for exchanged amount more then 10000 lv.). Please, ask the clerk to write on paper what sum you will really receive for your money.

We recommend exchanging no more than 50 EURO or USD.