ITHEA International Scientific Society

ITA 2011

Joint International Scientific Events on
Informatics

June 20 - July 03, 2011, Varna, Bulgaria
September - October , 2011, Ukraine, Poland, Spain,
www.ithea.org

ITA 2011 is supported by:

The ITHEA International Journal
"Information Theories and Applications"

The ITHEA International Journal
"Information Technologies and Knowledge"

The ITHEA International Book Series
"Information Science and Computing"

The ITHEA International Review Journal
"Information Research and Engineering"

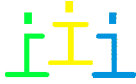General sponsor: **FOI Bulgaria**

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ITA 2011 Main Scientific Events

ï ï ï 2011
Second International Conference
Information - Interaction - Intellect

CFDM 2011
Third International Conference
Classification, Forecasting, Data Mining

i.Tech 2011
IX-th International Conference
Information Research and Applications

GIT 2011
IX-th International Conference
General Information Theory

MeL 2011
VI-th International Conference
Modern (e-) Learning

KDS 2011
XVII-th International Conference
Knowledge - Dialogue - Solution

INFOS 2011
IV-th International Conference on
Intelligent Information and Engineering Systems

NIT 2011
Second International Conference
Natural Information Technologies

ISSI 2011
IV-th International Summer School on
Informatics

Preliminary Time Table
of the Plenary Days of
ITA 2011, Summer Session, Varna, Bulgaria

Hotel "Panorama" in the St. Constantine & Helena resort.
Conference rooms 1

	20.06.11 Monday	21.06.11 Tuesday	22.06.11 Wednesday	23.06.11 Thursday	24.06.11 Friday	25.06.11 Saturday	26.06.11 Sunday	27.06.11-03.07.11 Monday - Sunday
10:00	iïi	MeL	CFDM	Excursion	iTech	GIT	GIT	Work meetings of the ITHEA Special Interest Groups
10:30								
11:00								
11:30	*Break*	*Break*	*Break*		*Break*	*Break*	*Break*	
12:00	ISSI	ISSI	ISSI		ISSI	ISSI	ISSI	
13:00	*Break*	*Break*	*Break*		*Break*	*Break*	*Break*	
15:00	iïi	MeL	CFDM		iTech	GIT	GIT	
15:20								
15:40								
16:00								
16:20	*Break*	*Break*	*Break*		*Break*	*Break*	*Break*	
16:40	iïi	MeL	CFDM	ITHEA GALA EVENING	iTech	GIT	GIT	
17:00								
17:20								
17:40								
18:00	*Break*	*Break*	*Break*		*Break*	*Break*	*Break*	
Working Language	*Russian*				*English*			

All parallel sessions will take place in conference rooms 2 and 3.
Recommended days for **arrivals**:   from June 15 until June 19
Recommended days for **departures**:   from June 27 until July 05

ITA 2011 Autumn Session

KDS 2011, September 05-09, Ukraine

INFOS 2011, September 19-23, Rzeszow - Polanczyk, Poland

NIT 2011, October 04-October 07, Madrid, Spain

<p style="text-align:center;">**ITA 2011**</p>
<p style="text-align:center;">Joint International Scientific Events on Informatics</p>
<p style="text-align:center;">June 20 - July 03, 2011, Varna (Bulgaria); September-October 2011, Ukraine, Poland, Spain</p>

Deadlines for ITA 2011

For CFDM, i.Tech, III, GIT, MeL which will be held in Varna, Bulgaria, June 2011

March 31, 2011: submission of **final paper** by the ITHEA ISS Submission Web System: http://ita.ithea.org

April 15, 2011: notification of the **paper acceptance** by the ITHEA ISS Submission Web System

April 30, 2011: submission of **registration forms** and **visa application forms** by e-mail: info@foibg.com

For KDS which will be held in Ukraine, September 2011

June 30, 2011: submission of **final paper** by the ITHEA ISS Submission Web System: http://ita.ithea.org

July 15, 2011: notification of the **paper acceptance** by the ITHEA ISS Submission Web System

August 01, 2011: payment of 50% of **registration fee.**

Only paper with paid registration fee will be published.

August 01, 2011: submission of **registration forms** by e-mail: info@foibg.com

For INFOS, Poland, 19-23.09.2011

please, follow the link http://infos.prz.edu.pl

For NIT, Madrid, Spain, 28.09-02.10.2011

June 30, 2011: submission of **final paper** by the ITHEA ISS Submission Web System: http://ita.ithea.org

July 15, 2011: notification of the **paper acceptance** by the ITHEA ISS Submission Web System

August 01, 2011: submission of **registration forms** and **visa application forms** by e-mail: info@foibg.com

Manuscripts

Manuscripts from members of ITHEA International Scientific Society (ITHEA ISS) will be preferably included in the events of ITA 2011. Membership of ITHEA ISS is free and may be done by registration at the www.ithea.org or www.foibg.com.

Manuscripts need to be formatted according the the sample sheet given at
http://www.foibg.com/conf/ithea_manuscripts_rules-2011.doc .

Accepted manuscripts will be published as follow:
- *surveys* from 12 up to 20 pages will be published in the ITHEA International Journal "Information Theories and Applications"® (IJ ITA) or ITHEA International Journal "Information Technologies and Knowledge"® (IJ ITK);
- *regular papers* from 4 up to 12 pages will be published in specialized thematically organized collections in the ITHEA International Book Series "Information Science and Computing" (IBS ISC);
- *papers less than 4 pages* will be assumed as extended abstracts and will be published in the ITHEA ISS International Review Journal "Information Research and Engineering";
- *books* or specialized thematically organized collections will be published in the ITHEA International Book Series "Information Science and Computing" (IBS ISC).

Abstracts of manuscripts published by ITHEA are available online at the ITHEA ISS collaboration web site:
http://wiki.ithea.org

Responsibility for papers published in ITHEA International Journals and Book Series belongs to authors.
Please *get permission to reprint* any copyrighted material.

Submission

The camera-ready copy of the manuscript should be received by the ITHEA Journal Submission System (http://ij.ithea.org) or respectively by the ITHEA Conference Submission System (http://ita.ithea.org); e-mail for questions: info@foibg.com.

Please observe the rules and deadlines !

Fees

NOTE: FEES INCLUDE VAT !

ITA 2011 Registration Fee is EURO 240 per paper.

Registration fee is composed by **participation fee** and **publication fee**.

Participation fee needs to be paid for every person, who participate in the conference, nevertheless with or without paper. Accompanying persons pay only participation fee.
Participation fee is **EURO 60**. Participation fee for Bulgarian participants is **120** leva.
Participation fee does not cover the price of the proceedings of the conference.

Publication fee needs to be paid for every paper, included in the conference proceedings.
Publication fee is **EURO 180**. Publication fee for Bulgarian participants is **360** leva.
Publication fee permits receiving one exemplar of the proceedings of the conference in which the paper has been published.

Sponsorships for ITA 2011, First Part, Varna, Bulgaria:
The Sponsors will grant partial financing of EURO 120 to every paper which meets the Sponsor's requirements:
- the paper is not financed by any scientific project;
- the authors are members of ITHEA International Scientific Society (ITHEA ISS). Membership of ITHEA ISS is free and may be done by registration at the www.ithea.org or www.foibg.com.
- the paper contains the acknowledgement:

"The paper is published with financial support by the project ITHEA XXI of the Institute of Information Theories and Applications FOI ITHEA (www.ithea.org) and the Association of Developers and Users of Intelligent Systems ADUIS Ukraine (www.aduis.com.ua) ".

No special requests or contracts are needed.

*NOTE: **Only for KDS 2011***

Sponsorship by the project ITHEA XXI for participation and publication fee is EURO 205 per paper.
(Организационный взнос для граждан СНГ с учетом гранта ITHEA XXI составляет 35 EURO за публикацию).

Sponsorships by the project ITHEA XXI for participation and publication fee for students and PhD students is EURO 215 per paper provided that personal authorship of paper.
(Организационный взнос для студентов и аспирантов с учетом гранта ITHEA XXI составляет 25 EURO за публикацию при условии единоличного авторства представленной статьи).

Proceedings' prices:

Proceedings of the ITA 2011 will be published in the ITHEA International Journals and several separate books of the IBS ISC. Usually, papers from given conference are published in more than one journal number and/or book.
Publication (but not participation) fee permits receiving one exemplar of the journal number and/or book in which the paper has been published. Please, note that publication fee does not include post expenses.

One book of IBS ISC costs **EUR 18**. One ITHEA journal number costs **EUR 12**.

Post expenses per book or journal number are **EUR 18**.

<u>Bank accounts</u>

The registration fee in EURO should be paid to:

IBAN: **BG60 BPBI 7922 1437 9857 01**;
BIC: **BPBI BGSF**;
Bank name: **Eurobank EFG Bulgaria AD**
Account holder: **FOI Consult Ltd.**

All bank commissions must be paid by the sender!

Registration fee in Bulgarian Leva should be paid to:

IBAN: **BG78 BPBI 7922 1037 9857 01**;
BIC: **BPBI BGSF**;
Bank name: **Eurobank EFG Bulgaria AD**
Account holder: **FOI Consult Ltd.**

All bank commissions must be paid by the sender!

Please send by e-mail the data for the Organization for Invoice.
 – Name of the organization;
 – VAT-number;
 – Address;
 – Name of the person for the invoice;
 – Comment (if you have some special requirements for the invoice – for instance including the project number in the text of the invoice, etc.)
The originals of the invoices will be received at the conference desk.

Реквизиты для оплаты организационного взноса в украинских гривнах:

Одержувач: **Асоціація АСКІС**
код ЄДРПОУ **16476689**
р/р **2600430110750**
в ПАТ Промінвестбанк в м.Київ
МФО **300012**
Призначення платежу: **Організаційний внесок АСКІС 2011 Фамілія автора, сума без ПДВ**

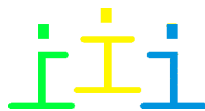Комиссия банка оплачивается плательщиком платежа!

For contacts:

Krassimir Markov	**Juan Castellanos**	**Vitalii Velychko**	**Sandra Gómez**
info@foibg.com	jcastellanos@fi.upm.es	info@aduis.com.ua	sgomez@eui.upm.es

ïïï 2011

Second International Conference

Information - Interaction - Intellect

June 20 - 26, 2011, Varna (Bulgaria)

Conference organizers

- ITHEA International Scientific Society
- Association of Developers and Users of Intelligent Systems (Ukraine)
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- Federation of the Scientific - Engineering Unions /FNTS/ (Bulgaria)
- Ben-Gurion University (Israel)
- Hasselt University (Belgium)
- University of Calgary (Canada)
- Universidad Politecnica de Madrid (Spain)
- V.M.Glushkov Institute of Cybernetics of NASU (Ukraine)
- St.Petersburg Institute for Informatics and Automation of RAS (Russia)
- Institute of Mathematical Problems and Systems of NASU (Ukraine)
- National Academy of Sciences of Ukraine
- Kharkiv National University of Radio Electronics (Ukraine)
- Taras Shevchenko National University of Kiev (Ukraine)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Institute of Mathematics of SD RAN (Russia)

Aims and Scope

The conference is a successor of the KDS international conference which will take place only in Ukraine.
It is devoted to discussion of current research and applications regarding the intelligent systems development:

Topics of interest

- AI in Risk Management and GMES
- Decision Making
- NL Text Processing

- Intelligent Technologies in Control and Design
- Multi-agent Structures and Systems
- Neural Networks

Steering Committee

Krassimir Markov (Bulgaria)
Vitalii Velychko (Ukraine)

Alexander Palagin (Ukraine)
Alexey Voloshin (Ukraine)

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Iliya Mitov (Bulgaria)	Orly Yadid-Pecht (Israel)	Yury Zaychenko (Ukraine)

Language

The official languages of the Conference are Russian and English.
Work language at the conference time is Russian.

CFDM 2011

Third International Conference

Classification, Forecasting, Data Mining

June 20 - 26, 2011, Varna (Bulgaria)

Conference organizers

- ITHEA International Scientific Society
- Dorodnicyn Computing Centre of the Russian Academy of Sciences
- V.M.Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Association of Developers and Users of Intelligent Systems(Ukraine)
- Federation of the Scientific - Engineering Unions /FNTS/ (Bulgaria).

Aims and Scope

The conference is devoted to the current research and applications in the fields of Classification, Clustering, Pattern Recognition, Forecasting, Features Processing, Transformations, Data Mining, and Knowledge Discovery.

Topics of interest

Pattern Recognition and Forecasting	Inductive Modelling
Machine Learning	Features Processing and Transformations
Data Mining	Applications
Classification and Clustering	Image, Speech, Document and Signal Analysis
	Knowledge-Based Decision Support Systems

Steering Committee

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Levon Aslanyan (Armenia)
Gurgen Khachatryan (Armenia)
Krassimir Markov (Bulgaria)
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Language

The official languages of the Conference are Russian and English.
Work language at the conference time is Russian.

i.Tech 2011

IX-th International Conference

Information Research and Applications

June 20 - 26, 2011, Varna (Bulgaria)

Conference organizers

- ITHEA International Scientific Society
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- Ben-Gurion University (Israel)
- Hasselt University (Belgium)
- University of Calgary (Canada)
- Universidad Politecnica de Madrid (Spain)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- V.M.Glushkov Institute of Cybernetics National Academy of Sciences of Ukraine
- St.Petersburg Institute for Informatics and Automation of RAS (Russia)
- Taras Shevchenko National University of Kiev (Ukraine)
- Kharkiv National University of Radioelectronics, (Ukraine)
- Association of Developers and Users of Intelligent Systems (Ukraine)
- Federation of the Scientific - Engineering Unions /FNTS/ (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

- Applied Program Systems
- Business Informatics
- Cyber Security
- Hyper Technologies
- Information Modelling

- Information Systems
- Multimedia Systems
- Distributed and Telecommunication Systems
- Quality of the Programs
- Software Engineering

Steering Committee

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Luis Fernando de Mingo (Spain)
Avram Eskenazi (Bulgaria)
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Vladimir Ryazanov (Russia)

Language

The official languages of the Conference are English and Russian.
Working language at the conference time is English.

GIT 2011

IX-th International Conference

General Information Theory

June 20 - 26, 2011, Varna (Bulgaria)

Conference organizers

- ITHEA International Scientific Society

- FIS Foundations of Information Science
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- St.Petersburg Institute for Informatics and Automation of RAS (Russia)
- V.M.Glushkov Institute of Cybernetics of NASU (Ukraine)
- Instituto Aragonés de Ciencias de la Salud (Spain)
- Universidad Politecnica de Madrid (Spain)
- National Academy of Sciences of Ukraine
- Kharkiv National University of Radio Electronics (Ukraine)
- Taras Shevchenko National University of Kiev (Ukraine)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Association of Developers and Users of Intelligent Systems (Ukraine)
- Federation of the Scientific - Engineering Unions /FNTS/ (Bulgaria)

Aims and Scope

The conference objective is to present and discuss current achievement in the fields of the General Information Theory. General Information Theory (GIT) is considered here not only as a pure theoretical discipline. While matter and energy are the foundation of material World, information is the foundation of the mental world as well as of the interactions in alive beings and within their communities. It is the leading factor in evolution and genetics. It is the basis of intellectual activity. Studying intelligence, we should take broader approach discovering the role of information, generally speaking, in life. The time has come to work out more uniform and general, deeper understanding of information processes which support the noosphere.

In this, broader sense, we should again and again turn our attention to the philosophy, interrelations between material and mental, correlate the notion of information in communication, biology, humanitarian areas and the physics of micro world.

We strongly believe that the progress in AI is tightly tied with our deeper understanding of informational processes, in general. The conference is dedicated to this broad issue.

Topics of interest

Include, but are not limited to different aspects of the main areas of GIT: (1) Theory of the Information, (2) Theory of the Information Subject (INFOS), and (3) Theory of the Information Interaction (INFORACTION):

Philosophy

- Philosophical background: material and mental – their coexistence and cooperation; the role of humanitarian and natural science knowledge
- Creation of paradigms by intellectual systems
- Information and knowledge; information and life

Cognitology, Gnoseology and Semiotics

• Theory and methodology of World cognition by intellectual systems and communities; intellectual instruments of cognition: hypothesis, theories, experimental verification and falsification, role of knowledge systems: knowledge, experience, beliefs, conventions, prejudices, religions, myths, formal and metaphorical reasoning; consciousness and selfconsciousness
• Semiotics of knowledge acquisition and model construction
• Evolution and informational processes

Modern Physics

• Physics of information processes and informational background of physics
• What give quantum mechanics and other theories of microworld to our understanding of information exchange; principle of non locality, "spooky action at a distance"

Noosphere

• **Noosphere and its informational component, simulated objects with different noosphere statuses**
• AI systems' creation within the frame of integrated interaction with environment and goal oriented activity

Humanitarian Aspects

• Modeling Informational interaction in Nature and society: physical, social systems (psychology, egregors, sociopsychology) and beyond

Steering Committee

Alexander Palagin (Ukraine)
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Krassimir Markov (Bulgaria)
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Walter Riofrio (Peru)
Yevgeniy Bodyanskiy (Ukraine)

Language

The official languages of the conference are English and Russian.
Working language at the conference time is English with translation to/from Russian.

MeL 2011

VI-th International Conference

Modern (e-) Learning

June 20 - 26, 2011, Varna (Bulgaria)

Conference organizers

- ITHEA International Scientific Society
- Taras Shevchenko National University of Kiev (Ukraine)
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- Astrakhan State University (Russia)
- Kharkiv National University of Radioelectronics, (Ukraine)
- V.M.Glushkov Institute of Cybernetics, NAS (Ukraine)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
- Varna Free University "Chernorizets Hrabar" (Bulgaria)
- Association of Developers and Users of Intelligent Systems (Ukraine)
- Federation of the Scientific - Engineering Unions /FNTS/ (Bulgaria)

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 and Modern (e-) Learning Technologies.

Topics of interest

Philosophy and Methodology of the Modern (e-) Learning

- Accreditation and Validation of Modern (e-) Learning Materials
- Learning Communities and Virtual Spaces for Modern (e-) Learning Communities
- Copyright Regulations and Intellectual Property
- Evolution in Teacher Roles through Technology
- Experience and Problems of Implementation of Distance Learning Systems
- Informatics of the Modern Learning
- Instructional Design Theories of Modern (e-) Learning
- Institutional Issues on Technology-based Learning
- Interaction of Classical and Modern (e-) Learning
- Knowledge Market
- Modern (e-) Learning Paradigms
- Organizational Problems of Distance Learning
- Pedagogical and Organisational Frameworks of Modern (e-) Learning
- Pedagogical Approaches - Classical and Modern Didactic Principles of Modern (e-) Learning
- Policies on Technology-based Learning
- Psychological and Ergonomic Aspects of Modern (e-) Learning
- Social Aspects of Modern (e-) Learning
- Standardisation of the Modern (e-) Learning Materials
- Standards and Quality Requirements for the Certification and Assessment of the Learners' Progress
- Teaching Aspects of Modern (e-) Learning

Modern e-Learning Technologies

- Information Retrieval and Visualization in e-Learning
- Multimedia Educational Systems

- Media for Learning in Multicultural Settings
- Mobile e-Learning Applications
- P2P e-Learning Applications
- Social Aspects in Collaborative e-Learning Systems
- Standardization in e-Learning Technologies (incl. Learning Objects, Learning Designs, Modelling Languages)
- Technology-based Blended, Distance and Open Learning
- Technology-Facilitated Learning in Complex Domains
- Technologies for advanced Teacher Training
- Technology and Human Resource Issues
- Using AI/Semantic Web Technologies for Personalized and Contextual Learning
- Web-based Educational Information Systems

Steering Committee

Alexey Voloshin (Ukraine)
Jean Schreurs (Belgium)
Krassimir Markov (Bulgaria)

Larissa Zaynutdinova (Rusia)
Liudmila Lyadova (Russia)
Oleg Zakusilo (Ukraine)

Program Committee

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Alexander Kuzemin (Ukraine)
Anatoliy Gupal (Ukraine)
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Vladimir Donchenko (Ukraine)
Yury Zaychenko (Ukraine)

Language

The official languages of the Conference are English and Russian.
Work language at the conference time is Russian.

KDS 2011

XVII-th International Conference

Knowledge - Dialogue - Solution

September 05 - 09, 2011, (Ukraine)

Conference organizers

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

Aims and Scope

The Conference continues the series of annual international KDS events organized by V.M. Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine and Association of Developers and Users of Intelligent Systems (ADUIS).

Topics of interest

- Applied Information Systems
- Data Mining and Knowledge Discovery
- Decision Making
- Intelligent information technology
- Interdisciplinary Scientific Research
- Logical Inference

- NL Text Processing
- Neural and Growing Networks
- Mathematical methods research of complex systems
- Modern (e-) Learning and intelligent systems
- Philosophy and Methodology of Informatics
- Problems of Computer Intellectualization

Steering Committee

Ivan Sergienko(Ukraine)	Alexander Palagin (Ukraine)	Vitalii Velychko (Ukraine)
Victor Gladun (Ukraine)	Natalia Pankratova (Ukraine)	Alexey Voloshin (Ukraine)
Krassimir Markov (Bulgaria)	Iurii Kryvonos (Ukraine)	Volodymyr Romanov (Ukraine)

Program Committee

Alexander Reznik (Ukraine)	Nadezhda Kiseleyova (Russia)	Vitaliy Snituk (Ukraine)
Anatoly Krissilov (Ukraine)	Natalia Filatova (Russia)	Vladimir Donchenko (Ukraine)
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Igor Gorban (Ukraine)	Valery Tarasov (Russia)	Yury Valkman (Ukraine)
Leonid Hulianytskyi (Ukraine)	Vassil Sgurev (Bulgaria)	Yury Zaychenko (Ukraine)
	Vitaliy Lozovskiy (Ukraine)	

Organizing Committee

Anna Andrushenko	Nataliya Basok	Vitalii Velychko
Mykola Petrenko	Oleksandra Skripnik	Volodymyr Opanasenko

Language

The official languages of the Conference are Russian and English.
Work language at the conference time is Russian.

INFOS 2011

IV-th International Conference

Intelligent Information and Engineering Systems

September 19 - 23, 2011, Rzeszow, Polanczyk (Poland)

http://infos.prz.edu.pl

Conference organizers

ITHEA International Scientific Society
Rzeszow University of Technology (Poland)
Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
Institute of Mathematics and Informatics, BAS (Bulgaria)
V.M.Glushkov Institute of Cybernetics National Academy of Sciences of Ukraine
Taras Shevchenko National University of Kiev (Ukraine)
Ben-Gurion University (Israel)
Hasselt University (Belgium)
University of Calgary (Canada)
Universidad Politecnica de Madrid (Spain)
Association of Developers and Users of Intelligent Systems (Ukraine).

Aims and Scope

The conference is devoted to discussion of current research and applications regarding the knowledge-based intelligent information and engineering systems.

Topics of interest

Topics of interest include but are not limited to:

Theoretical foundations:

Cognitive Modeling,
Genetic Algorithms and Evolutionary Computing,
Expert Systems,
Fuzzy Techniques and Systems,
Hybrid Intelligent Systems,
Intelligent Agents and Multi-Agent Systems,
Data Mining,
Knowledge Acquisition.
Knowledge-Based Systems,
Knowledge Discovery,
Knowledge Representation and Management,
Natural Language Processing,
Neural Networks,
Neuro-fuzzy systems
Machine Learning,
Spatial and Temporal Reasoning,
Soft Computing Techniques

Intelligent Applications:

Artificial Intelligence in Modeling and Simulation,
Bioinformatics using Intelligent and Machine Learning Techniques, Image Processing,
Human-Robot interaction,
Business Intelligence Systems,
Industrial Control and Monitoring,
Information Agents on the Internet,
Intelligent Natural Language Systems,
Intelligent Robots,
Intelligent User Interfaces,
Intelligent Web Mining and Applications,
Mechanical Applications,
Machine and Computer Vision,
Medical and Diagnostic Systems,
Multi-Media Intelligent Information Systems,
Speech Processing and Synthesis
Virtual Production, Virtual Design

ITA 2011

Joint International Scientific Events on Informatics
June 20 - July 03, 2011, Varna (Bulgaria); September-October 2011, Ukraine, Poland, Spain

Steering Committee

Galina Setlak, Rzeszow University of Technology, Poland
Krassimir Markov, Institute on Information Theories and Applications, Bulgaria

Program Committee

Alexey Voloshyn (Ukraine)	Koen Vanhoof (Belgium)
Adil Timofeev (Russia)	Levon Aslanyan (Armenia)
Jacek Kluska (Poland)	Leon Bobrowski (Poland)
Feliks Stachowicz (Poland)	Luis Fernando de Mingo Lopez (Spain)
Martin Mintchev (Canada)	Orly Yadid-Pecht (Israel)
Sergey Krivoy (Ukraine)	Vladimir Lovitskii (GB)
Alfredo Milani (Italy)	Vladimir Ryazanov (Russia)
Arkady Zakrevskij (Belarus)	Yevgeniy Bodyanskiy (Ukraine)
Ilia Mitov (Bulgaria)	Yuriy Zaichenko (Ukraine)
Juan Penuella Castellanos (Spain)	Volodymyr Stepashko (Ukraine)

Organizing Committee

Galina Setlak, Rzeszow University of Technology, Poland
Jacek Jakieła, Rzeszow University of Technology, Poland
Sławomir Gorka, Rzeszow University of Technology, Poland
Arkadiusz Rzucidlo, Rzeszow University of Technology, Poland

Language

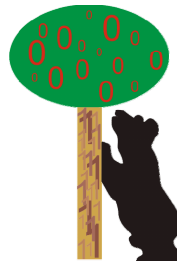The official language of the Conference is English.

For contacts

Galina Setlak, e-mail: gsetlak@prz.edu.pl

NIT 2011

Second International Conference

Natural Information Technologies

October 04-October 07, 2011, Madrid (Spain)

Conference organizers

- ITHEA International Scientific Society
- Universidad Politécnica de Madrid (Spain)
- Institute of Mathematics and Informatics, Bulgarian Academy of Sciences (Bulgaria)
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- Institute for Informatics and Automation Problems, Armenian Academy of Sciences (Armenia)
- Association of Developers and Users of Intelligent Systems (Ukraine)
- Dorodnicyn Computing Centre of the Russian Academy of Sciences (Russia)

Aims and Scope

Natural Computing can be broadly defined as the development of computer programs and computational algorithms using metaphorical inspiration from system and phenomena that occur in the natural world. Fundamentals of Natural Computing: Basic Concepts, Algorithms, and Applications present a wide-ranging survey of novel techniques and important applications of nature-based computing.

The goal of NIT 2010 is to offer a platform to critically assess present findings in the field, and to outline future developments in nature-inspired computing.

Original papers describing current research in the areas given below are invited, but other relevant areas also welcome. Papers in application areas of the same fields will also be considered.

Topics of interest

Topics of interest include, but are not limited to:

NATURAL COMPUTING

- Cellular Computing
- DNA Computing
- Evolutionary Computation
- Membrane Computing
- Molecular Computing
- Neural Computing
- Quantum Computing

APPLICATIONS OF NIT

- Bioinformatics
- Data Mining and Knowledge Discovery
- Decision Making and Decision Support Systems
- Evolvable Hardware
- Information Retrieval
- Knowledge Management
- Multi-agent Structures and Systems
- Natural Language Processing
- Robotics
- Synthetic Biology
- Web Intelligence

ITA 2011

Joint International Scientific Events on Informatics
June 20 - July 03, 2011, Varna (Bulgaria); September-October 2011, Ukraine, Poland, Spain

Steering Committee

Krassimir Markov, Institute on Information Theories and Applications, Bulgaria
Juan Castellanos, Universidad Politécnica de Madrid, Spain
Levon Aslanyan, Institute for Informatics and Automation Problems, Armenia

Program Committee

Carmen Vidaurre, Berlin Institute of Technology, Germany
Erzsebet Csuhaj-Varju, Hungarian Academy of Sciences, Hungary
Fernando Arroyo, Universidad Politécnica de Madrid, Spain
Fivos Panetsos, Universidad Complutense, Spain
Gheorghe Paun, Romanian Academy, Romania
Giancarlo Mauri, Università di Milano-Bicocca, Italy
Hasmik Sahakyan, Institute for Informatics and Automation Problems, Armenia
Iliya Mitov, Institute on Information Theories and Applications, Bulgaria
José María Sempere, Universidad Politécnica de Valencia, Spain
Koen Vanhoof, Hasselt University, Belgium
Kostas Chrysagis, Center for Technology Research and Innovation - CETRI, Greece
Luis Fernando de Mingo, Universidad Politécnica de Madrid, Spain
Marian Gheorghe, University of Sheffield, United Kingdom
Mario Pérez Jiménez, Universidad de Sevilla, Spain
Marion Oswald, Hungarian Academy of Sciences, Hungary
Martyn Amos, Manchester Metropolitan University, United Kingdom
Rudolf Freund, Technische Universität Wien, Austria
Tasos Bezerianos, University of Patras, Greece
Victor Mitrana, University of Bucharest, Romania
Vincenzo Manca, Università di Verona, Italy
Vladimir Ryazanov, Dorodnicyn Computing Centre of RAS, Russia
Yevgeniy Bodyanskiy, Kharkiv University, Ukraine

Organizing Committee

Paula Cordero, Universidad Politécnica de Madrid, Spain
Sandra Gómez, Universidad Politécnica de Madrid, Spain,
Angel Goñi, Universidad Politécnica de Madrid, Spain

Language

The official language of the Conference is English.

Conference Location

The conference will held in Escuela Universitaria de Informática, Universidad Politécnica de Madrid, Spain.

For contacts

- Krassimir Markov, e-mail: info@foibg.com
- Juan Castellanos, e-mail: jcastellanos@fi.upm.es
- Sandra Gómez, e-mail: nit@eui.upm.es

ISSI 2011

V-th International Summer School on Informatics

June 20 - 27, 2011, Varna (Bulgaria)

The Summer School is organized by:

ITHEA International Scientific Society
Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
V.M.Glushkov Institute of Cybernetics National Academy of Sciences of Ukraine
Taras Shevchenko National University of Kiev (Ukraine)
University of Hasselt (Belgium)
Universidad Politecnica de Madrid (Spain)
Kharkiv National University of Radioelectronics, (Ukraine)
Institute of Mathematics and Informatics, BAS (Bulgaria)
Association of Developers and Users of Intelligent Systems (Ukraine)
Federation of the Scientific - Engineering Unions /FNTS/ (Bulgaria).

Aims and Scope

The Summer School is devoted to discussion of current research, applications and education regarding the basic directions of business informatics.

Program Committee

Juan Castellanos (Spain)	Alexander Kuzemin (Ukraine)	Ilia Mitov (Bulgaria)
Levon Aslanyan (Armenia)	Alexey Voloshin (Ukraine)	Ludmila Liadova (Russia)
Koen Vanhoof (Belgium)	Avram Eskenazi (Bulgaria)	Luis Fernando de Mingo (Spain)
Krassimir Markov (Bulgaria)	Evgeny Eremin (Russia)	Nely Maneva (Bulgaria)

Topics

Theoretical Foundations of Informatics: Conceptions, Languages, Modelling Technologies, Metrics and Measurements, Information Visualization

Tools and Applications: Tools for Information Modeling, Applied Systems for Information Service, Information Security and Reliability, New customer engagement models enabled by Informatics Tools

Informatics of/in Education (IE): IE Conceptions, including relation to other/traditional fields of study, Computer Aided IE, Methodology of IE

Language

Official languages: English and Russian. Preffered language: English.

Important information for participants in ITA 2011, Varna, Bulgaria

Please read carefully!

1. Contacts

Mobile numbers of the members of the committee:
+359 878 89 07 07, +359 878 89 07 08, +359 878 89 07 25
Panorama hotel: (+359 52) 36 28 98 www.panoramahotel.bg

2. Travel to the conference

1.1. From Varna

The PANORAMA HOTEL is located less than 10 km by the way from Varna to the Golden Sands resort. Please, see the map   http://www.panoramahotel.bg/get_eng.html .
The busses from Varna to Golden Sands (Zlatni pyasatsi): 9, 109, 209, 309, 409.
The name of the bus stop is "PANORAMA".

1.2. From Sofia

Besides the direct flight to Varna and/or the transfer flight from Sofia, there are two possible variants to get from Sofia to Varna:
- by train from the Central Railway Station: www.bdz.bg
- by bus from the Central Bus Station (right beside the Central Railway Station: www.centralnaavtogara.bg .)

1.3. In Sofia

The transportation from the Sofia Airport to the Central Railway Station and the Central Bus Station can be as follows: By bus – 84 or 284 from the Airport to "Hotel Pliska" stop, and then 213 or 214 to the Central Station.
Note: Luggage bigger than the average will require an extra ticket as well.
- shuttle-bus - from the airport to the station. The price is 1.50 BGN (possible additional taxes for the luggage).
- taxicab: **we do not recommend** to use this transport, or in case you do always check the prices on the stickers on the windows, because the foreigners especially are often offered incredibly high prices.

2. Medicines

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

3. Currency

The fixed official exchange rate: 1 EUR = 1.95583 BGN (leva).
In the change offices the exchange rate may vary from 1.9 to 1.95.
When you change money, please be careful when choosing the change office. At the airport usually the rates are not preferable.
Some change offices use on their front tables fixings which aren't used for the standard procedures – it might be for write the fixing on the front table, which is not the real rate for usual exchange (it may be the rate for checks or for exchanged amount more than 10,000 lv.). Please, always read the all the notices (usually written with smaller letters) and ask the clerk for the exact total you'll receive from the exchange.
 We recommend exchanging not more than 50 EUR or USD at a time.

Caution!
Be careful with your money, documents and other important personal belongings.
Make sure you keep them safe with yourself, not putting them in your luggage, as you can easily become a victim of pickpockets or thieves otherwise.
Please be alert in the city public transport as well as in the bus/train when approached by strangers and never leave your baggage unattended.

The picture is 1120m x 800m.