

# ***ITHEA International Scientific Society***



## ***ITA 2015***

### ***XVIII-th Joint International Scientific Events on Informatics***

***Summer Session: June 29 - July 12, 2015***

***Hotel " SAINT HELENA "***

*in the resort "St. Constantine & St. Helena", Varna, Bulgaria*

*Autumn Session: September - November, 2015, Spain, Ukraine*

*Winter Session: December, 2015, Internet Tele-Conferences*

***[www.ithea.org](http://www.ithea.org)***

#### **Papers from ITA 2015 will be published by:**

The ITHEA International Journal

**"Information Theories and Applications" (IJ ITA)**

The ITHEA International Journal

**"Information Technologies and Knowledge" (IJ ITK)**

The ITHEA International Journal

**"Information Models and Analises" (IJ IMA)**

The ITHEA International Journal

**"Information Content and Processing" (IJ ICP)**

The ITHEA International Book Series

**"Information Science and Computing" (IBS ISC)**

The ITHEA International Digital Library with Scientific Index

**"Information Research and Engineering" (IDL IRE)**

**The ITHEA International Journals are indexed by Worldcat, ROAD Directory of Open Access scholarly Resources, Google Scholar, CiteseerX, and ITHEA.**



***ITA 2015 Summer Session***

<b>KDS 2015</b>		XXI-th International Conference <b>Knowledge - Dialogue - Solution</b>
<b>MeL 2015</b>		X-th International Conference <b>Modern (e-) Learning</b>
<b>CFDM 2015</b>		VII-th International Conference <b>Classification, Forecasting, Data Mining</b>
<b>AIM 2015</b>		V-th International Conference <b>Advances in Informational Modeling</b>
<b>TFIM 2015</b>		V-th International Conference <b>Theoretical Foundations of Informational Modeling</b>
<b>i.TECH 2015</b>		XIII-th International Conference <b>Information Research and Applications</b>
<b>KEBIDH 2015</b>		Second International Conference <b>Knowledge Engineering in BioMedical Informatics and Digital Health</b>
<b>INFOS 2015</b>		VIII-th International Conference on <b>Intelligent Information and Engineering Systems</b>
<b>i-i-i 2015</b>		VI-th International Conference <b>Information - Interaction – Intellect</b>
<b>GIT 2015</b>		XIII-th International Conference <b>General Information Theory</b>
<b>ISSI 2015</b>		IX-th International Summer School on <b>Informatics</b>

***ITA 2015 Autumn Session***

<b>NIT 2015</b>		VI-th International Conference <b>Natural Information Technologies</b>
<b>TAAC 2015</b>		V-th International Scientific Conference of Students and Young Scientists <b>Theoretical and Applied Aspects of Cybernetics</b>

***ITA 2015 Winter Session***

<b>IM 2015</b>		V-th International (Tele-) Conference <b>Informational Modeling</b>
<b>MIM 2015</b>		V-th International (Tele-) Conference <b>Mathematics of Informational Modeling</b>

**ITA 2015 Summer Session**

Plenary Sessions' Preliminary Time Table (conference room of the hotel "St. Helena")  
Working languages are pointed in the information for corresponded conferences (see next pages).

	26.06.15 28.06.15	29.06.15 Monday	30.06.15 Tuesday	01.07.15 Wednesday	02.07.15 Thursday	03.07.15 Friday	04.07.15 Saturday	05.07.15 Sunday
10:00–12:00	arrival	<b>KDS</b>	<b>MeL</b>	<b>CFDM</b>	<b>AIM</b>	<b>i.TECH</b>	<b>KEBIDH</b>	<b>INFOS</b>
12:00–13:00		Break	Break	Break	Break	Break	Break	Break
13:00–14:00		<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>
14:00–16:00		<b>KDS</b>	<b>MeL</b>	<b>CFDM</b>	<b>TFIM</b>	<b>i.TECH</b>	<b>KEBIDH</b>	<b>INFOS</b>
16:00–17:00		Break	Break	Break	Break	Break	Break	Break
17:00–19:00		<b>KDS</b>	<b>MeL</b>	<b>CFDM</b>	<i>ITHEA GALA EVENING</i>	<b>i.TECH</b>	<b>KEBIDH</b>	<b>INFOS</b>

	06.07.15 Monday	07.07.15 Tuesday	08.07.15 Wednesday	09.07.15 Thursday	10.07.15 Friday	11.07.15 Saturday	12.07.15 Sunday	13.07.15 16.07.15
10:00–12:00	<b>i-i-i</b>	<b>KDS</b>	<b>MeL</b>	<b>CFDM</b>	<b>GIT</b>	<b>ITHEA SIG</b>	<b>ITHEA SIG</b>	departure
12:00–13:00	Break	Break	Break	Break	Break	Break	Break	
13:00–14:00	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	<b>ISSI</b>	
14:00–16:00	<b>i-i-i</b>	<b>KDS</b>	<b>MeL</b>	<b>CFDM</b>	<b>GIT</b>	<b>ITHEA SIG</b>	<b>ITHEA SIG</b>	
16:00–17:00	Break	Break	Break	Break	Break	Break	Break	
17:00–19:00	<b>i-i-i</b>	<b>KDS</b>	<b>MeL</b>	<b>CFDM</b>	<b>GIT</b>	<b>ITHEA SIG</b>	<b>ITHEA SIG</b>	

***Acknowledgements:***

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*ITA 2015 is supported by:*

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Institute for Programmes  
and Projects Management

***Acknowledgements***

***ITA 2015 is organized by:***

**ITHEA International Scientific Society (ITHEA ISS)**  
**Association of Developers and Users of Intelligent Systems (ADUIS)**

***in tight collaboration with:***

- FIS Foundations of Information Science (Spain)
- Spanish Network on Biomolecular and Biocellular Computing (Spain)
- National Academy of Sciences of Ukraine
- Federation of the Scientific-Engineering Unions /FNTS/ (Bulgaria)
- Community of Students and Postgraduates of  
Cybernetics Faculty of Taras Shevchenko National University of Kyiv (Ukraine)
  
- Institute of Information Theories and Applications FOI ITHEA (Bulgaria)
- V.M.Glushkov Institute of Cybernetics of NASU (Ukraine)
- Institute of Mathematics and Informatics, BAS (Bulgaria)
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- Rzeszow University of Technology (Poland)
- Ain Shams University, Cairo (Egypt)
- Educational-scientific complex “Institute for applied system analysis” (Ukraine)
- Kharkiv National University of Radio Electronics (Ukraine)
- Hasselt University (Belgium)
- University of Calgary (Canada)
- Ben-Gurion University (Israel)
- Astrakhan State University (Russia)
- School of Information Technologies and Cybersecurity of V.S. Martinovsky Institute of  
Refrigeration Cryotechnologies and Ecoenergetics at Odessa National Academy of  
Food Technologies, (Ukraine).
- Taras Shevchenko National University of Luhansk (Ukraine)
- Varna Free University “Chernorizets Hrabar” (Bulgaria)

## *Deadlines for ITA 2015*

### **For KDS, MeL, CFDM, AIM, TFIM, i.Tech, KEBIDH, INFOS, i-i-i, and GIT:**

February 28, 2015: **booking of hotel**, submission of **registration forms** and **visa application forms** by e-mail: [office@ithea.org](mailto:office@ithea.org) and [office@hit-tourism.com](mailto:office@hit-tourism.com)

March 31, 2015: submission of **final paper** by the ITHEA ISS Submission Web System: <http://ita.ithea.org>

April 15, 2015: notification of the **paper acceptance** by the ITHEA ISS Submission Web System

### **For NIT:**

July 31, 2015: submission of **registration forms** and **visa application forms** by e-mail: [info@foibg.com](mailto:info@foibg.com)

August 10, 2015: submission of **abstract** by e-mail: [info@foibg.com](mailto:info@foibg.com)

August 26, 2015: notification of the **paper acceptance** by the ITHEA ISS Submission Web System

December 10, 2015: submission of **final paper** by the ITHEA ISS Submission Web System: <http://ita.ithea.org>

### **For TAAC:**

See website: <http://www.taac.org.ua/en/>

### **For IM and MIM:**

November 30, 2015: submission of **abstract** by e-mail: [info@foibg.com](mailto:info@foibg.com)

December 10, 2015: notification of the **paper acceptance** by the ITHEA ISS Submission Web System

March 31, 2015: submission of **final paper** by the ITHEA ISS Submission Web System: <http://ita.ithea.org>

## *Submission*

The camera-ready copy of the manuscript should be received by the ITHEA Conference Submission System (<http://ita.ithea.org>) or respectively by the ITHEA Journal Submission System (<http://ij.ithea.org>); e-mail for questions: [office@ithea.org](mailto:office@ithea.org).

***Please observe the rules and deadlines !***

Submit registration cards and visa forms to: Krassimir Markov, e-mail: [office@ithea.org](mailto:office@ithea.org).

## *Manuscripts*

Manuscripts from members of ITHEA International Scientific Society (ITHEA ISS) will be preferably included in the events of ITA 2015.

Membership of ITHEA ISS is free and may be done by registration at the [www.ithea.org](http://www.ithea.org)

Manuscripts need to be formatted in DOC or TeX formats according the sample sheets given at:

- DOC template: [http://www.foibg.com/conf/ithea\\_manuscripts\\_rules-2015\\_doc\\_template.doc](http://www.foibg.com/conf/ithea_manuscripts_rules-2015_doc_template.doc)

- TeX template: [http://www.foibg.com/conf/ithea\\_manuscripts\\_rules-2015\\_tex\\_template.tex](http://www.foibg.com/conf/ithea_manuscripts_rules-2015_tex_template.tex)

Accepted manuscripts will be published by ITHEA<sup>®</sup> as follow:

- ***Regular papers or surveys in English or Russian*** up to 30 pages will be published in the International Journal "Information Theories and Applications" (IJ ITA), International Journal "Information Technologies and Knowledge" (IJ ITK), International Journal "Information Models and Analyses" (IJ IMA), and International Journal "Information Content and Processing" (IJ ICP);

- ***Books*** (monographs or specialized thematically organized collections) will be published in the ITHEA International Book Series "Information Science and Computing" (IBS ISC).

***Papers and Books*** published by ITHEA as well as ***Abstracts in English*** of all works will be freely available online at the ITHEA ISS Digital Library and Indexing System: <http://idr.ithea.org>.

ITHEA rules for preparing the manuscripts are compulsory.

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

***Fees (including 20% VAT)***

**Registration Fee** is **EURO 240** (fee 200 + VAT 40).

**Registration fee for members of ITHEA ISS: EUR 120** (fee 100 + VAT 20).

Registration fee includes *publication fee* and *presentation fee* per one paper.

**Publication Fee** is **EURO 120** per paper (fee 100 + VAT 20).

**Publication fee for members of ITHEA ISS: EURO 60** per paper (fee 50 + VAT 10).

Publication fee includes *only one exemplar* of the issue in which the paper has been *published*.

Publication fee for members of ITHEA ISS is applicable only for the paper which meets the following requirements:

- the authors are members of ITHEA ISS. *Membership is free (do it via [www.ithea.org](http://www.ithea.org)).*

- the paper contains the acknowledgement:

*"The paper is published with partial support by the project ITHEA XXI of the ITHEA ISS ( [www.ithea.org](http://www.ithea.org) ) and the ADUIS ( [www.aduis.com.ua](http://www.aduis.com.ua) )."*

- the paper is ***not financed by any other scientific project or other source***;

No special requests or contracts are needed.

**Presentation Fee** is **EURO 120** per paper (fee 100 + VAT 20).

**Presentation Fee for members of ITHEA ISS: EURO 60** per paper (fee 50 + VAT 10).

Participation fee includes *participation* for one person and permits *presentation of one paper* without publishing.

**Accompanying Persons' Fee** is **EURO 30** (fee 25 + VAT 5).

Accompanying fee covers only the organizing expenses, including the ITHEA Gala Evening. It does not cover the excursion and the price of the printed materials of the conferences. Accompanying persons have free access to the conference meetings.

**Additional exemplars**

One additional journal number costs **EURO 12** (10 + VAT 2).

One additional book costs **EURO 24** (20 + VAT 4).

**Post expenses:**

Please, note that the *fees do not include post expenses*.

Post expenses depend of destination but are not less than **EUR 24** (20 + VAT 4).

**Contacts for ITA 2015:**

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***VISAS for ITA 2015***

To receive **Bulgarian visa** for ITA 2015 Summer Session one has to have **both**:

- **Voucher** for hotel accommodation;
- **Invitation letter**.

**Voucher** may be obtained from HIT-Tourism Tur Operator. Send your requests for reservation to both e-mails: [office@hit-tourism.com](mailto:office@hit-tourism.com) and [office@ithea.org](mailto:office@ithea.org).

**Invitation letter** may be received from the ITHEA Institute of Information Theories and Applications. Please fill visa form and send it to [office@ithea.org](mailto:office@ithea.org).

***Accommodation for ITA 2015 Summer Session***

**HIT-Tourism Tur Operator, Varna, Bulgaria**

[www.hit-tourism.com](http://www.hit-tourism.com) ; e-mail: [office@hit-tourism.com](mailto:office@hit-tourism.com) ;  
+359 52 361 900; +359 888 794 159 Skype: hit\_mira

***ITA 2015 SPECIAL HOTELS' PRICES (EURO)***

Prices for Hotel Complex "SAINT HELENA \*\*\*\*", *400m far from sea*

Resort "St. Constantine & St. Helena", Varna, Bulgaria

<http://www.svetaelena.com/hotel.aspx?lang=en>

<i>Period:</i>	<b>10.06 - 15.07.2015</b>
	<b>All inclusive</b>
<b>Person in a double room</b>	<b>EURO 33</b>
<b>Single room</b>	<b>EURO 37</b>

In the Resort "St. Constantine & St. Helena", there are several hotels on walking distance from ITA 2015 hotel St. Helena, which offer cheaper rooms as well as several hotels, which offer more qualitative services. To use special hotels' prices with **discounts** from the official prices for all hotels, participants have to make reservation and payment **only** by HIT-Tourism Tour Operator. **Do not hesitate to ask for more cheaper or more qualitative hotels depending of your preferences.**

to both e-mails: [office@hit-tourism.com](mailto:office@hit-tourism.com) and [info@foibg.com](mailto:info@foibg.com).

If you not receive answer in a couple of days, please resend request!

**Transfer airport - hotel:**

- car (1-4 sits): EURO 24 *in one direction*;
- minivan (4-7 sits): EURO 29 *in one direction*.



## KDS 2015

XXI-th International Conference

### Knowledge - Dialogue - Solution

June 29 – July 12, 2015, Varna (Bulgaria)

#### *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

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Yury Zaychenko (Ukraine)

#### *Language*

The official languages of the conference are Russian and English.

*For more information for registration fees and accomodation:*

<http://www.aduis.com.ua/>





## **MeL 2015**

X-th International Conference

### **Modern (e-) Learning**

June 30 – July 09, 2015, Varna (Bulgaria)

#### ***Aims and Scope***

The conference is devoted to discussion of current research and applications regarding the basic directions of Modern (e-) Learning: Philosophy, Methodologies and 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 (Learning Objects, 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**

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Yury Zaychenko (Ukraine)

**Language**

The official languages of the conference are Russian and English.



## **CFDM 2015**

VII-th International Conference

### **Classification, Forecasting, Data Mining**

June 29 – July 12, 2015, Varna (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  
Machine Learning  
Data Mining  
Classification and Clustering

Inductive Modelling  
Features Processing and Transformations  
Applications  
Image, Speech, Document and Signal Analysis  
Knowledge-Based Decision Support Systems

#### ***Steering Committee***

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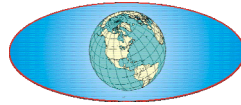
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Vladimir Shylo (Ukraine)  
Vladimir Norkin (Ukraine)  
Volodymyr Stepashko (Ukraine)

#### ***Language***

The official languages of the conference are Russian and English.



## AIM 2015

V-th International Conference

### Advances in Informational Modelling

July 01 - July 03, 2015, Varna (Bulgaria)

#### *Aims and Scope*

The conference is devoted to the advances in the fields of concepts, methods, languages and tools of Informational Modelling and Simulation and its applications.

The aim of the Conference is exchange new ideas and expertise among experts in industry, research and education and not formal coordination of their efforts respecting Information Society challenges.

#### *Topics of the conference*

1. Concepts, Paradigms, Approaches and Languages.
2. Efficiency Enhancements.
3. Efficacy Estimation and Life Cycle Management
4. Application Development Methods and Best Practices in Industry, Education and Science.

#### *Steering Committee*

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Vitalii Vishnevskiy (Ukraine)

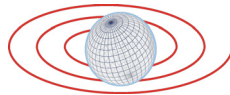
Vladimir Romanov (Ukraine)

Vladimir Shelestov (Ukraine)

Yurii Zaichenko (Ukraine)

#### *Language*

The official languages of the conference are English and Russian.



## TFIM 2015

V-th International Conference

### Theoretical Foundations of Informational Modeling

July 01 – July 03, 2015, Varna (Bulgaria)

#### *Aims and Scope*

The conference objective is to present and discuss current achievement in the fields of the Theoretical Foundations of Informational Modelling.

The basic objective of the conference is the formulation and analysis of adequate theories and paradigms for the description and solution of practical problems based on the understanding of their underlying informational and mathematical structure.

#### *Topics of interest*

- Information Structures and Theories;
- Mathematical Structures and Theories;
- Philosophical Foundations of Informational Modeling;
- Methods and Tools for Informational Modeling.

#### *Steering Committee*

Levon Aslanyan (Armenia)  
Krassimir Atanasov (Bulgaria)

Stoyan Poryazov (Bulgaria)  
Krassimir Markov (Bulgaria)

#### *Program Committee*

Alexander Palagin (Ukraine)	Hasmik Sahakyan (Armenia)	Mikhail Alexandrov (Russia)
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Alexey Voloshin (Ukraine)	Juan Castellanos (Spain)	Ognyan Kounchev (Bulgaria)
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Ekaterina Detcheva (Bulgaria)	Krassimira Ivanova (Bulgaria)	Ventzeslav Valev (USA)
Emil Molnár (Hungary)	Leonid Hulyanitskiy (Ukraine)	Vitalii Velychko (Ukraine)
Emiliya Saranova (Bulgaria)	Liudmila Cheremisinova (Belarus)	Volodimir Donchenko (Ukraine)
Gurgen Khachatryan (Armenia)	Liudmila Lyadova (Russia)	Yevgeniy Bodyanskiy (Ukraine)

#### *Language*

The official language of the conference is English and Russian.



## **i.Tech 2015**

XIII-th International Conference

### **Information Research and Applications**

July 02 - July 04, 2015, Varna (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***

Krassimir Markov (Bulgaria)  
Juan Castellanos (Spain)  
Vitalii Velychko (Ukraine)

Luis Fernando de Mingo (Spain)  
Alexey Voloshyn (Ukraine)  
Avram Eskenazi (Bulgaria)

#### ***Program Committee***

Abdel-Badeeh M. Salem (Egypt)  
Alexander Kuzemin (Ukraine)  
Alfredo Milani (Italy)  
Ilia Mitov (Bulgaria)  
Irene Artemieva (Russia)  
Ivan Popchev (Bulgaria)  
Kannan Rajkumar (India)  
Koen Vanhoof (Belgium)  
Krassimira Ivanova (Bulgaria)

Krassimir Manev (Bulgaria)  
Laura Ciocoiu (Romania)  
Levon Aslanyan (Armenia)  
Martin Mintchev (Canada)  
Nely Maneva (Bulgaria)  
Olry Yadid-Pecht (Israel)  
Stoyan Poryazov (Bulgaria)  
Valeriya Gribova (Russia)  
Vladimir Ryazanov (Russia)

#### ***Language***

The official languages of the conference are English and Russian.

## KEBIDH 2015



Second International Conference

### Knowledge Engineering in BioMedical Informatics and Digital Health

July 03 - 05, 2015, Varna (Bulgaria)

Organized by:

**Prof. Dr. Abdel-Badeeh M. Salem**



Head of Bio-Medical Informatics & e-health Group  
Artificial Intelligence & Knowledge Engineering Labs  
Faculty of Computer and Information Sciences  
Ain Shams University, Cairo, Egypt

**Contact:** [absalem@cis.asu.edu.eg](mailto:absalem@cis.asu.edu.eg) ; [abmsalem@yahoo.com](mailto:abmsalem@yahoo.com)  
<http://www.shams.edu.eg/staff/profile.php?action=show&pid=8256>

#### *Aims and Scope*

KEBIDH 2015 will bring researchers, practitioners, developers, and users to present their latest ideas and research and in all areas of neuroinformatics, bioinformatics, medical informatics, bioengineering, machine learning and artificial intelligence in all areas of digital health and life sciences.

KEBIDH 2015 will provide a forum for the exchange of ideas between knowledge engineers, biologists, physicians and computer scientists. Papers related to methodologies, techniques and applications in bioinformatics, medical informatics, telemedicine, and Health care are especially solicited.

#### *Topics of interest*

The topics of interest include, but are not limited to:

- Health Care Information Systems;
- Clinical Information Systems;
- Medical Image Processing and Techniques;
- Medical Intelligent Systems for different medical tasks;
- Medical Expert Systems;
- Applications in Medical and Health Sciences;
- Bioinformatics and Biostatistics;
- Telemedicine Software, Portals, Devices and Telehealth;
- Web-based and Remote Medicine;
- Data Mining and Knowledge Discovery in Medicine;
- Machine Learning-based Medical Systems;
- Artificial Intelligence Techniques in Health Sciences;
- Medical Databanks, Databases, and Knowledge Bases;
- Neurocomputing in Medicine;
- Ontology and Medical Information Science;
- Bioethics and Health informatics.

#### *Steering Committee*

Christina Siontorou, University of Piraeus, Greece  
Florin Gorunescu, Univ. Medicine and Pharmacy of Craiova, Romania  
Francesco Sicurello, University of Milan Bicocca, Italy  
Halina Kwasnicka, Wroclaw University of Technology, Wroclaw, Poland  
Isabelle Ellis, Department of Health and Human Services, University of Tasmania, Australia  
Klaus Kayser, University of Berlin, Germany  
Nataliya Pankratova, National Technical Univ. of Ukraine, Ukraine  
Nikitchenko Mykola, Taras Shevchenko National Univ. of Kyiv, Ukraine

Peter Millard, Emeritus Professor of Geriatrics, St. George's University of London, UK  
Roumen Kountchev, Technical University of Sofia, Bulgaria  
Sarma Cakula, Vidzeme University of Applied Sciences, Valmiera, Latvia  
Tatiana A. Gavrilova, Graduate School of Management, St. Petersburg State University, Russia  
Urszula Markowska-Kaczmar, Wroclaw Uni. of Technology, Poland  
Yukako Yagi, Harvard Medical School, Boston, MA, USA

#### *Program Committee*

Amr Badr, Faculty of Computers and Information, Cairo University, Cairo, Egypt  
Andreea Ionica, University of Petrosani, Romania  
Arzu Baloglu, Faculty of Engineering, Computer Engineering, Marmara University, Turkey  
Elena Nechita, Vasile Alecsandri University, Bacau, Romania  
Hassan Ghazal, Moroccan Society for Telemedicine and eHealth, Morocco  
Hisham S, Katoua, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia  
Kateryna Solovyova, The Kharkiv National University of Radioelectronics, Ukraine  
Ketevan Gochitashvili, Ivane Javakhishvili Tbilisi State University, Georgia  
Kidiyo Kpalma, National Institute of Applied Sciences of Rennes, Rennes Cedex, France  
Tatjana Zrimec, Univ of Primorska, Slovenia  
Klimis Ntalianis, Technological Educational Institute of Athens, Greece  
Krasimira Stoilova, Bulgarian Academy of Sciences, Bulgaria  
Liliana M. Moga, Dunarea de Jos University of Galati, Galati, Romania  
M. Madheswaran, Muthayammal Engineering College, India  
Mariam Manjgaladze, Ivane Javakhishvili Tbilisi State University, Georgia  
Marina Gorunescu, University of Craiova, Romania  
Mohamed Roushdy, Ain Shams University, Egypt  
Monica Leba, University of Petrosani, Romania  
Nouhad Rizk, University of Houston, USA  
Roumiana Kountcheva, Technical University of Sofia, Bulgaria  
Sharon Condon, Rural Clinical School, University of Tasmania, Australia  
Todor Stoilov, Bulgarian Academy of Sciences, Bulgaria  
Valérie Monfort, SOIE Tunis, Univ. Paris1 Panthéon Sorbonne, Tunisia

#### *Language*

The official languages of the conference is English.





## INFOS 2015

VIII-th International Conference

### Intelligent Information and Engineering Systems

July 04 – July 06, 2015, Varna (Bulgaria)

#### *Aims and Scope*

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

#### *Topics of interest*

##### **Theoretical foundations:**

Genetic Algorithms and Evolutionary Computing,  
Expert Systems, Hybrid Intelligent Systems,  
Fuzzy Techniques and Systems,  
Intelligent Agents and Multi-Agent Systems,  
Data Mining, Knowledge Acquisition,  
Knowledge Discovery, Knowledge-Based Systems,  
Knowledge Representation and Management,  
Natural Language Processing, Speech Understanding,  
Neural Networks, Machine Learning,  
Soft computing techniques.

##### **Intelligent Applications:**

Artificial Intelligence in Modeling and Simulation  
Bioinformatics using Intelligent and Machine  
Learning  
Business Intelligence Systems  
Human-Robot interaction, Image Processing  
Industrial Control and Monitoring  
Intelligent Agents Applications  
Intelligent Manufacturing Systems  
Intelligent Natural Language Systems  
Intelligent Robots  
Intelligent Tutoring Systems  
Intelligent Web Mining and Applications  
Medical and Diagnostic Systems  
Mobile Computing and Systems  
Multi-Media Intelligent Information Systems

#### *Steering Committee*

Galina Setlak, Rzeszow University of Technology, (Poland)

Krassimir Markov, Institute on Information Theories and Applications, (Bulgaria)

#### *International Program Committee*

Alexander Trousov (IBM Research, Ireland)

Alexey Voloshyn (Ukraine)

Alfredo Milani (Italy)

Arcadiy Yuschenko (Russia)

Feliks Stachowicz (Poland)

Ilia Mitov (Bulgaria)

Jacek Kluska (Poland)

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Levon Aslanyan (Armenia)

Luis Fernando de Mingo Lopez (Spain)

Marek Orkisz (Poland)

Marian Wysocki (Poland)

Martin Mintchev (Canada)

Mikhail Alexandrov (Russia, Spain)

Olry Yadid-Pecht (Israel)

Sergey Maruev (Russia)

Vladimir Ryazanov (Russia)

Volodymyr Stepashko (Ukraine)

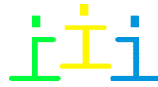
Xavier Blanco (Spain)

Yevgeniy Bodyanskiy (Ukraine)

Yuriy Zaichenko (Ukraine)

#### *Language*

The official language is English.



## **i-i-i 2015**

VI-th International Conference  
**Information - Interaction - Intellect**  
July 05 - July 07, 2015, Varna (Bulgaria)

### *Aims and Scope*

The conference 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)

### *Program Committee*

Alexander Eremeev (Russia)  
Alexander Kleshchev (Russia)  
Alexey Petrovskiy (Russia)  
Anatoliy Gupal (Ukraine)  
Ekaterina Solovyova (Ukraine)  
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Natalia Kussul (Ukraine)  
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Olga Nevzorova (Russia)

Orly Yadid-Pecht (Israel)  
Sergey Krivii (Ukraine)  
Svetlana Cojocar (Moldova)  
Tatyana Gavrilova (Russia)  
Valeriya Gribova (Russia)  
Vassil Sgurev (Bulgaria)  
Vitalii Vishnevskiy (Ukraine)  
Vladimir Donchenko (Ukraine)  
Yevgeniy Bodyanskiy (Ukraine)  
Yury Zaychenko (Ukraine)

### *Language*

The official languages of the conference are Russian and English.



## **GIT 2015**

XIII-th International Conference  
**General Information Theory**  
July 09 – July 11, 2015, Varna (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 Artificial Intelligence 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 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;
- Non-forceful interaction.

#### ***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)  
Anatoly Krissilov (Ukraine)  
Krassimir Markov (Bulgaria)  
Mark Burgin (USA)  
Pedro C. Marijuán (Spain)

Rafael Yusupov (Russia)  
Vassil Sgurev (Bulgaria)  
Vitaliy Lozovskiy (Ukraine)  
Vitalii Velychko (Ukraine)  
Yi Xin Zhong (China)

**Program Committee**

Alexey Petrovskiy (Russia)  
Anatoliy Gupal (Ukraine)  
Ekaterina Solovyova (Ukraine)  
Gordana Dodig Crnkovic (Sweden)  
Gurgen Khachatryan (Armenia)  
Guy A Hoelzer (USA)  
Igor Gurevich (Russia)  
Iliya Mitov (Bulgaria)  
Iurii Kryvonos (Ukraine)  
Jerry LR Chandler (USA)  
Joseph Brenner (Switzerland)  
Karl Javorszky (Austria)  
Koichiro Matsuno (Japan)  
Krassimira Ivanova (Bulgaria)  
Christophe Menant (France)

Leonid Svyatogor (Ukraine)  
Liudmila Cheremisinova (Belarus)  
Loet Leydesdorff (Netherlands)  
Michel Petitjean (France)  
Nikolay Zagoruiko (Russia)  
Qiao Tian-qing (China)  
Sergey Krivii (Ukraine)  
Søren Brier (Denmark)  
Stanley N Salthe (USA)  
Svetlana Cojocar (Moldova)  
Tatyana Gavrilova (Russia)  
Vladimir Donchenko (Ukraine)  
Walter Riofrio (Peru)  
Wolfgang Hofkirchner (Austria)  
Yevgeniy Bodyanskiy (Ukraine)

**Language**

The official language of the conference is English.



## **NIT 2015**

VI-th International Conference  
**Natural Information Technologies**  
September - October, 2015 (Spain)

### *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 International Conference 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

### *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*

Abraham Gutierrez, Universidad Politécnica de Madrid, Spain  
Carmen Vidaurre, Berlin Institute of Technology, Germany  
Erzsebet Csuhaaj-Varju, Hungarian Academy of Sciences, Hungary  
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Fivos Panetsos, Universidad Complutense, Spain  
Gheorghe Paun, Romanian Academy, Romania  
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Hasmik Sahakyan, Institute for Informatics and Automation Problems, Armenia  
Iliya Mitov, Institute on Information Theories and Applications, Bulgaria  
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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  
Pedro Clemente Marijuan Fernandez, Aragon Institute of Health Sciences (I+CS), Spain  
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*

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### *Language*

The official language of the conference is English.

### *For contacts*

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- Juan Castellanos, e-mail: [jcastellanos@fi.upm.es](mailto:jcastellanos@fi.upm.es)  
- Sandra Gómez, e-mail: [nit@eui.upm.es](mailto:nit@eui.upm.es)

**TAVC**

**TAAC 2015**

V-th International Scientific Conference of Students and Young Scientists

**Theoretical and Applied Aspects of Cybernetics**

November 23 - 27, 2015, Kyiv (Ukraine)

*Ideology*

Nowadays swift development of programming and wide applications of mathematics and information technologies in different areas of human activities is being noticed.

There are lot of projects in the history of mathematics, computer engineering and cybernetics, which were born at universities (for example, first versions of FreeBSD were created by a postgraduate student of Berkley University in 1978, famous free video editor VirtualDub began its life at university, Google was created as a study project by two students of Stanford University, well-known programming language php would not be itself without two Israeli students Endi Gutsman and Zeev Suraski, which rewrote its interpreter from scratch etc.).

But such ideas implementation requires special environment, which will motivate creative processes. Institutions of higher education and research institutions develop and improve this environment. But scientific evolution is almost impossible without young generation initiative.

That's why the idea of this conference was born, which aims to create an environment for:

- scientific research experience exchange;
- joining efforts for solving urgent problems of contemporary cybernetics;
- development and popularization of scientific activities among students;
- searching for colleagues, supporters and just making new friends.

It is an opportunity for enterprising students and young scientists to demonstrate their academic achievements, to hear the criticism of the large audience, expand scientific horizons, attend academic lectures of professors from Ukraine and from abroad, to learn the latest developments in the IT-industry, visiting lectures of specialists from leading IT companies in Ukraine and worldwide, as well to visit theme parties, Kyiv tours, find new friends and like-minded people, have positive emotions and good time.

This conference is dedicated to the memory of the founder of Cybernetics Institute of NASU, founder of Cybernetics faculty of Taras Shevchenko National University of Kyiv, academic of NAS USSR, NASU Victor Glushkov and it's held annually from 2011.

*Organizers of the conference*

Scientific community of students and postgraduates of Cybernetics faculty of Taras Shevchenko National University of Kyiv

Cybernetics Faculty of Taras Shevchenko National University of Kyiv

ITHEA International Scientific Society

V.M. Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine

Institute of Software Systems of National Academy of Sciences of Ukraine

*For more information:*

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<http://www.taac.org.ua/en/>



## IM 2015

V-th International (Tele-) Conference

### Informational Modelling

December 15 - 17, 2015, Internet

#### *Aims and Scope*

The conference is devoted to the current research in the fields of concepts, methods, languages and tools of Informational Modelling and Simulation and its applications.

The aim of the Conference is exchange the ideas and expertise among experts in industry, research and education and not formal coordination of their efforts respecting Information Society challenges.

#### *Topics of the conference*

1. Informational Modeling (IM) and Simulation (IM&S) - Concepts, Paradigms, Approaches and Languages.
  - Modeling and Simulation (M&S) Body of Knowledge.
  - Knowledge Based IM&S. IM&S languages.
  - IM&S Heterogeneous Structures and Scalability. High Level Architecture (HLA), Agent Based IM&S.
2. IM&S Efficiency Enhancements.
  - Methods for Efficiency Estimation, Comparison and Enhancement, Cooperative, Parallel and Distributed IM&S Efficiency.
  - Accuracy enhancement and simulation speeding; Simulation Experiments Design.
  - Real and IM&S Information Storage and Transmission Formats; Data Analysis and Comparison Methods; Data Mining.
  - Dynamic Adaptation and Personalization of the Human-Computer-Model Interaction.
3. IM&S Efficacy Estimation and Life Cycle Management
  - Meta-modeling; Econometrical Meta-Models; M&S Efficacy Indicators.
  - M&S Detailness and Life Cycle Optimization in respect of Designed Product Life Cycle Management, Emergency Cases.
  - Methods for Verification and Validation in IM&S Life Cycle.
4. IM&S Application Development Methods and Best Practices in Industry, Education and Science.
  - IM&S Impact in Industry
  - IM&S in Science and Technology (S&T), Specifics in Information and Communication S&T.
  - IM&S in and for Education
  - IM&S in Knowledge Market & Business Informatics.

#### *Steering Committee*

Stoyan Poryazov (Bulgaria)

Krassimir Markov (Bulgaria)

#### *Program Committee*

Alexander Palagin (Ukraine)

Igor Galeluca (Ukraine)

Natalia Kussul (Ukraine)

Alexey Voloshin (Ukraine)

Ivan Ganchev (Ireland)

Natalia Pankratova (Ukraine)

Anatolij Kornienko (Russia)

Ivan Tsitovich (Russia)

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Vira Golyan (Ukraine)

Elena Zamyatina (Russia)

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Emiliya Saranova (Bulgaria)

Leonid Hulyanitsliy (Ukraine)

Vitalii Vishnevskiy (Ukraine)

Galina Gaivoronskaya (Ukraine)

Levon Aslanyan (Armenia)

Vladimir Romanov (Ukraine)

Gurgen Khachatryan (Armenia)

Liudmila Lyadova (Russia)

Vladimir Shelestov (Ukraine)

Hasmik Sahakyan (Armenia)

Natalia Ivanova (Russia)

Yurii Zaichenko (Ukraine)

#### *Language*

The official languages of the conference are English and Russian.





## MIM 2015

V-th International (Tele-) Conference

### Mathematics of Informational Modeling

December 15 - 17, 2015, Internet

#### Aims and Scope

The conference objective is to present and discuss current achievement in the fields of the Mathematics of Informational Modelling. This area constitutes the mathematical foundation of information science (informatics). It includes Type Theory, Mathematical Logic (for Computer Science), Program Theory, Program Verification, Theory on Algorithm, Information Theory, Coding Theory, Cryptology, and so on.

The basic objective of the conference is the formulation and analysis of adequate mathematical models for the description and solution of practical engineering and related problems based on the understanding of their underlying informational structure, with the ultimate aim of contributing to the development of human society.

#### Topics of interest

- Automata theory and models;
- Big data technique and visualization;
- Chaos and self-organization models;
- Complex systems modeling and complexity of algorithms;
- Connectionism and Neural nets, Wavelet-neurons, and Emerging modeling objects;
- Cryptographic methods and protocols, Reliable and Secure Telecommunications;
- Discrete geometry, Distances and Similarities, Tomography;
- Financial mathematics, serious games;
- Generalized nets and models;
- Intuitionistic logic and Substructural logic;
- Learning and Intelligence algorithms;
- Modeling, Simulation, and Emulation: Mathematical theory, Formal verification;
- Multisets theory and its applications;
- Numerical methods of mathematical physics;
- Parallel algorithms, scientific computation and clouds;
- Theory of named sets and its applications;
- Uncertainty, Intuitionistic Fuzzy Sets - Theory and Applications.

#### Steering Committee

Levon Aslanyan (Armenia)  
Krassimir Atanasov (Bulgaria)

Stoyan Poryazov (Bulgaria)  
Krassimir Markov (Bulgaria)

#### Program Committee

Alexander Palagin (Ukraine)  
Alexey Petrovskiy (Russia)  
Alexey Voloshin (Ukraine)  
Dmitro Buy (Ukraine)  
Elena Zamyatina (Russia)  
Ekaterina Detcheva (Bulgaria)  
Emil Molnár (Hungary)  
Emiliya Saranova (Bulgaria)  
Gurgen Khachatryan (Armenia)

Hasmik Sahakyan (Armenia)  
Ivan Tsitovich (Russia)  
Juan Castellanos (Spain)  
Jordan Tabov (Bulgaria)  
Koen Vanhoof (Belgium)  
Krassimira Ivanova (Bulgaria)  
Leonid Hulyanitskiy (Ukraine)  
Liudmila Cheremisnina (Belarus)  
Liudmila Lyadova (Russia)

Mikhail Alexandrov (Russia)  
Natalia Pankratova (Ukraine)  
Ognyan Kounchev (Bulgaria)  
Sergey Krivii (Ukraine)  
Sisir Roi (India)  
Tsvetanka Kovacheva (Bulgaria)  
Ventzeslav Valev (USA)  
Vitalii Velychko (Ukraine)  
Volodimir Donchenko (Ukraine)  
Yevgeniy Bodyanskiy (Ukraine)

#### Language

The official language of the conference is English.



IX-th International Summer School on Informatics  
June 29 – July 12, 2015, Varna (Bulgaria)

*Aims and Scope*

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

*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 Access Methods and Collaboration Tools, 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

*Steering Committee*

Juan Castellanos (Spain)  
Levon Aslanyan (Armenia)  
Koen Vanhoof (Belgium)  
Krassimir Markov (Bulgaria)

Alexander Kuzemin (Ukraine)  
Alexey Voloshin (Ukraine)  
Evgeny Eremin (Russia)  
Avram Eskenazi (Bulgaria)

Lyudmila Lyadova (Russia)  
Luis Fernando de Mingo (Spain)  
Stoyan Poryazov (Bulgaria)  
Nely Maneva (Bulgaria)

*Language*

The official languages of the Summer School are English and Russian.

## **Important information for participants in ITA 2015, Varna, Bulgaria**

**Please read carefully!**

### **1. Contacts**

Mobile numbers of the members of the committee to be used during conference time:  
+359 878 89 07 07, +359 878 89 07 25

### **2. Travel to the conference**

#### **2.1. From Varna**

The “St.St. Constantine and Helena” Resort with Hotel “Saint Helena” are located less than 10 km by the way from Varna to the “Golden Sands” resort.

From Varna the busses are No.: 9 (to buss stop “St. Helena” in front the hotel) and No.: 8.

From Varna Airport – bus No.: 409 (to buss stop “St. Helena” in front the hotel).

Please, see the map below.

#### **2.2. 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](http://www.bdz.bg)

- by bus from the Central Bus Station (right beside the Central Railway Station: [www.centralnaavtogara.bg](http://www.centralnaavtogara.bg) .)

#### **2.3. In Sofia**

The metropolitan line from the Sofia Airport to the Central Railway Station and the Central Bus Station is still under construction, so the transportation to these stations may be:

- 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** using 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.

### **3. Medicines**

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

### **4. 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.**

