

ITHEA International Scientific Society



ITA 2017

XX-th Joint International Scientific Events on Informatics

www.ithea.org

Summer Session: June 26 - July 14, 2017

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

Winter Session: December 18-20, 2017

Papers from ITA 2017 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 Analyses" (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
Referative Scientific Index (RSI)

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

ITA 2017 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
- 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)
- Research Institute of Applied Semiotics of Tatarstan Academy of Sciences (Russia)
- St.Petersburg Institute for Informatics and Automation of RAS (Russia)
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- Institute of Informatics Problems of the RAS (Russia)
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- Kharkiv National University of Radio Electronics (Ukraine)
- Hasselt University (Belgium)
- University of Calgary (Canada)
- Ben-Gurion University (Israel)
- Astrakhan State University (Russia)
- Varna Free University “Chernorizets Hrabar” (Bulgaria)
- School of Information Technologies and Cybersecurity of V.S. Martinovsky Institute of Refrigeration Cryotechnologies and Ecoenergetics at Odessa National Academy of Food Technologies, (Ukraine)

ITA 2017 Conferences

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Deadlines for ITA 2017

For all summer session conferences:

- Now:** reservation of hotel, submission of registration forms and visa application forms by e-mail: office@ithea.org and office@hit-tourism.com
- March 31, 2017:** submission of paper by the ITHEA ISS Submission Web System: <http://ita.ithea.org>
submission of proposals for ISSI workshops by e-mail: office@ithea.org
- April 15, 2017:** notification of the paper acceptance by the ITHEA ISS Submission Web System
notification of the workshop acceptance to authors e-mail
- April 30, 2017:** submission of proposals for ISSI doctoral consortium by e-mail: office@ithea.org

For IM and MIM:

- November 30, 2017: submission of abstract by ITHEA ISS Submission Web System
- December 10, 2017: notification of the abstract acceptance by the ITHEA ISS Submission Web System
- March 31, 2018: submission of full paper by the ITHEA ISS Submission Web System: <http://ita.ithea.org>

Manuscripts

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.

Not acceptable manuscripts will be returned to authors with recommendations. After authors' editing and refinement, if the manuscripts are reviewed positively, they will be published.

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

- DOC template: http://www.ithea.org/conferences/ithea_doc_template.doc
- TeX template: http://www.ithea.org/conferences/ithea_tex_template.tex

Accepted manuscripts will be published by ITHEA® as follow:

- ***Regular papers or surveys in English or Russian*** up to 30 pages will be published in the peer reviewed ITHEA International Journals:
 - "Information Theories and Applications" (IJ ITA);
 - "Information Technologies and Knowledge" (IJ ITK);
 - "Information Models and Analyses" (IJ IMA);
 - "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 are freely available online at the ITHEA ISS International Digital Library and Indexing System: <http://idr.ithea.org>.

Submission

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

Please observe the rules and deadlines!

Submit registration cards and visa forms to e-mail: office@ithea.org.

Fees (including 20% VAT)

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

Registration fee includes both *publication fee* and *participation fee* per one paper.

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

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

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

Participation fee includes *participation* for one person and permits *presentation of one paper* without publishing and *access* to conference events including summer school and ITHEA Evening.

Participation Fee for Doctoral Consortium is **EURO 60** per presented PhD (fee 50 + VAT 10).

Participation fee for Doctoral Consortium includes *participation* for one PhD student and permits *presentation of one PhD* with afterward publishing and *access* to all conference events and ITHEA Evening.

Sponsorship of 50% is applicable *only for a scientific paper* which meets *all of* following requirements:

- authors are from *Middle Income Countries* (<http://data.worldbank.org/income-level/MIC>);
- authors are *members of ITHEA ISS*. Membership is free (do it via www.ithea.org);
- paper is *not financed by any other scientific project or other source*;
- paper contains the *acknowledgement*:

"The paper is published with partial support by the ITHEA ISS (www.ithea.org) and the ADUIS (www.aduis.com.ua)"

Requests for sponsorship have to be sent to e-mail: office@ithea.org.

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

Accompanying persons' fee covers the organizing expenses and one ITHEA Evening. It does not cover excursions and other social events.

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).

Contact for ITA 2017: office@ithea.org

ITA 2017 is supported by:



HIT-Tourism Tour Operator



Srtukto Ltd.



LUXIT optical boutiques

Accommodation for ITA 2017 Summer Session**HIT-Tourism Tur Operator, Varna, Bulgaria****Licence number: 04482**

www.hit-tourism.com ; e-mail: office@hit-tourism.com ;
 +359 52 361 900; +359 89945185 Skype: hit_mira

ITA 2017 SPECIAL HOTELS' PRICES (EURO)**Prices are in EURO****BO:** Bed Only**BB:** Bed and Breakfast**HB** (Half-Board): Bed, Breakfast and Dinner**FB** (Full-Board): Bed, Breakfast, Lunch and Dinner**ALL:** All inclusive

Prices for Hotel Complex "Gloria ***"

300m far from sea; ITA 2017 Conference place

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

<http://gloria.golden-hotelbg.com/>

<i>Period:</i>	15.06 – 10.07.2017
	BB
Person in a double room	EURO 23
Single room	EURO 31
ADD to HB	EURO 7
ADD to All	EURO 12

Transfer airport - hotel:

- car (1-4 sits): EURO 24 per car *in one direction*;
- minivan (4-7 sits): EURO 30 per bus *in one direction*.

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.

Send your requests for reservation and questions**to both e-mails: office@hit-tourism.com and office@ithea.org .**

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

NOTE: After pointed hotels' deadlines prices for booking will rise !






VISAS for ITA 2017

To receive **Bulgarian visa** for ITA 2017 Summer Session one has to have:

- **Voucher** from HIT-Tourism Tur Operator for hotel accommodation. Send your requests for hotel reservation to both e-mails: office@hit-tourism.com and office@ithea.org .
- **Invitation letter** from ITHEA. In order to obtain invitation letter, fill visa and registration forms and send them to office@ithea.org.
- **Other documents** that Bulgarian embassy in your contry requires.

International passports must be **valid** at least **six months** after the conference time.

Applications under Android operating system for Tablet PCs and Smart phones about Varna

Application feature	Detailed information
	<p>Direct Link http://www.lmobile.com.ru/varna-map-offline-1741120.html</p> <p>Purpose <i>offline and online map of Varna</i></p> <p>Application allows observing Varna map both in online and offline modes. Using online map one can do the next:</p> <p>Application description</p> <ol style="list-style-type: none"> 1. Add chosen objects into favorites 2. Add your key points to Varna map 3. Searching of objects 4. Routing defining
	<p>Direct Link https://play.google.com/store/apps/details?id=com.gpsmycity.android.u161&hl=uk</p> <p>Purpose <i>Varna city guide following your interests</i></p> <p>This handy application presents you several self-guided walking tours to see the best of the Varna, Bulgaria, and it comes with detailed tour route maps and powerful navigation features to guide you from one sight to the next. No need to hop on a tour bus or join a tour group; now you can explore all of the best attractions on your own, at your own pace, and at a cost that is only a fraction of what you would normally pay for a guided tour.</p> <p>Application description Walking tours included in this application are:</p> <ul style="list-style-type: none"> * Varna Orientation Tour (8 sights) * Museums in Varna (7 sights) * Religious Sights (7 sights) * Shopping Tour (8 sights) * Sea Garden Tour (8 sights) * Varna Nightlife (8 sights) * Daily Life in Varna (7 sights)
	<p>Direct Link https://play.google.com/store/apps/details?id=com.travel.bulgaria.ru</p> <p>Purpose <i>Good Bulgarian phrase-book</i></p> <p>Application description Bulgarian phrasebook will help tourists in any situation. The program will be useful for beginners (Bulgarian learners).</p>
	<p>Direct Link https://play.google.com/store/apps/details?id=com.funeasylearn.phrasebook.bulgarian&hl=ru</p> <p>Purpose <i>Excellent Bulgarian phrase-book with pictures</i></p> <p>Application description Bulgarian phrasebook when phrases are divided by topics. The program will be useful for starting communication in Bulgarian.</p>
	<p>Direct Link https://play.google.com/store/apps/details?id=com.tectrice.thebestofbulgaria</p> <p>Purpose <i>Application opening Bulgaria with the heart</i></p> <p>Application description Bulgarian nature sights and a lot of interesting and useful facts</p>

Important information for participants in ITA 2017, Varna, Bulgaria

Please read carefully!

1. Contacts

Mobile numbers of the Organizing 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 Hotel "Gloria" of the "St. Constantine and St. Helena" resort is located less than 7 km by the way from Varna to the "Golden Sands" resort.

From Varna Airport and Bus station: bus No.: 409 to bus stop "Botanical Garden" (Botanicheska gradina).

From Varna Town Center the busses are: No.: 8 to the Center of "St. Constantine and St. Helena" resort and No.: 9 to bus stop "Botanical Garden" (Botanicheska gradina).

Please, see the map on the next page.

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

- by bus from the Central Bus Station (right beside the Central Railway Station: 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 1.60 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.

