12th International Conference ICTERI 2016

ICT in Education, Research, and Industrial Applications: Integration, Harmonization, and Knowledge Transfer

June 21-24, 2016, Kiev - Ukraine

LinkedIn Group: ICT in Education, Research, and Industrial Applications
Facebook Group: ICTERI Conference
Proceedings: CEUR-WS indexed by DBLP, Scopus
Post-proceedings: Springer CCIS (acceptance pending), indexed by DBLP, EI-Compendex, Mathematical Reviews, SCImago, Scopus

Conference Scope

ICTERI is an annual peer-reviewed international Computer Science conference focusing on research advances, business/academic applications of Information and Communication Technologies, design and deployment of ICT Infrastructures. The emphasis is also put on real world applications of ICT solutions. Therefore, all contributions are strongly encouraged to demonstrate how and to what purpose the proposed solutions are used or transferred into use, for example by a proof-of-concept implementation; a prototype in an advanced stage; a case study involving new tools and/or methodological approaches; experimental studies with real use cases, including knowledge or technology transfer; visionary papers or surveys revealing new needs and trends. Reports on academic-industrial partnerships for ICT innovation and knowledge transfer are as welcome as technological and methodological submissions.

We solicit submission of original work, not previously published or submitted for publication elsewhere, that address one or more of the following topics. Papers must be submitted to one of the following Tracks:

- **Track 1: Advances in ICT Research**
  - (Semantic) Integration and Interoperability
  - Managing Big Data and Linked Open Data
  - Data Analytics and Business Intelligence
  - Knowledge Models, Languages, and Representations
  - Ontologies: Engineering, Alignment, and Evolution
  - Machine Learning and Reasoning Methods
  - Reliability and Trust in Knowledge Management
  - Biologically and Socially Inspired Approaches to Machine Intelligence

- **Track 2: Information Systems: Technology and Applications**
  - Service-Oriented and Large-scale Distributed Computing
  - Cloud Computing
  - Model Driven Architectures / Software Development
  - Business Process Management
  - Knowledge Extraction, Engineering and Management

- **Track 3: Academia/Industry ICT Cooperation**
  - Joint Academic-Industrial Research and Development
  - Infrastructures, Tools and Framework Conditions for Cooperation and Knowledge Transfer
  - Best Practices

- **Track 4: ICT in Education**
  - Methodology and Didactics of Teaching and Using ICT
  - Advances in and Tools for Technology Enhanced Learning
  - Balance between Theory and Practice in Curriculum Design
  - ICT Competence Design and Development
  - Quality Assurance of ICT Education
  - Professional Retraining and Life-Long Learning using ICT
  - Infrastructures and Framework Conditions for ICT Education
  - Modeling Systems in Education

* ICTERI Tracks focus, but are not limited to the listed topics

Important Dates

(23:59 Hawaii time)

- **Sunday, 28.05.2016** - 9:00 AM - 9:03.03.2016 – paper submission deadline
- **Monday, 11.04.2016** - 9:04.2016 - acceptance notification
- **Sunday, 29.05.2016** - camera ready papers
- **Sunday, 29.05.2016** - registration deadline
- **21-24.06.2016** - conference days

No Conference Fee

ICTERI does not charge conference fees. Participation is FREE. Infrastructure and service expenses are covered by our sponsors.

Other Calls and Satellite Events


Companies or individuals interested in presenting their products or methodologies are invited to contact the conference steering committee. This year ICTERI will comprise a collection of such talks and presentations as its IT Talks sub-event.

ICTERI also encourages organizers of satellite workshops that match the scope of the conference. The call for workshops is provided at [http://www.icteri.org/icteri2016-call-workshop-proposals](http://www.icteri.org/icteri2016-call-workshop-proposals). Accepted workshops will be presented at [http://www.icteri.org/workshops/icteri-2016](http://www.icteri.org/workshops/icteri-2016).

Submission Guidelines

The ICTERI main Conference language is English. Submissions in any other language will be rejected without review.

All submissions shall be annotated by two sets of key phrases:
- (i) key terms taken from the list of ICTERI subject descriptors available at [http://isrg.kit.zmu.edu.ua/icteriwiki/index.php/ICTRTERms](http://isrg.kit.zmu.edu.ua/icteriwiki/index.php/ICTRTERms);
- (ii) at least three and at most five key phrases freely chosen by the authors. At least three and at most five key phrases have to be provided in each set.


Please submit your paper to the applicable ICTERI 2016 Track.
Four types of submissions are solicited for the main conference tracks:

**Full research papers**
- Report on accomplished, unpublished research work
- Present a novel method, technique or analysis with appropriate empirical or other evaluation as a proof of validity

Evaluation focuses on originality, technical soundness and the soundness of the real use demonstration. Page limit: 16 CCIS pages.

**Short research papers and extended abstracts**
- Short reports of preliminary results or work in progress.

Evaluation focuses on originality, technical correctness and the value of the planned results in a short to mid-term perspective. Page limit: 8 (short paper) or 4 (extended abstract) CCIS pages.

**Discussion, survey, or problem analysis papers**
- Help understand a relevant problem without introducing a novel method, technique or approach.

Examples: a review placing a problem onto the state-of-the-art landscape and analyzing how far current solutions fall short; an in-depth discussion and analysis of a certain problem, with clear definitions and argumentation in terms of qualitative or quantitative representation of the main characteristics of the problem.

Evaluation focuses on the soundness of the problem analysis and on the interest for the scientific community. Page limit: 16 CCIS pages.

**Industry experience reports or case studies**
- Report on industrial deployments of ICT.

Evaluation focuses on significance and practical relevance, technical soundness, and accompanying evaluation or industrial validation. Page limit: 12 CCIS pages.

**Publication**
All submissions will be evaluated by at least three members of the international program committee. Accepted papers will be published in the international proceedings volume on-line (CEUR-WS) before the conference. Previously, the international proceedings volumes of ICTERI were published at CEUR-WS (ISSN 1613-0073):


The best papers among the accepted and presented at the conference will be invited to be revised and extended for the CTERI post-proceedings volume by Springer Communications in the Computer and Information Science (CCIS) series:


Additionally the abstracts of all accepted papers and posters will be published in the Conference Volume of Abstracts, with ISBN, by a local Ukrainian publisher, and on the ICTERI Wiki ([http://isrg.kit.zmu.edu.ua/icteriwiki/](http://isrg.kit.zmu.edu.ua/icteriwiki/)).

**Presentation**
Accepted papers must be presented at the conference by one of their authors, who commit to register and attend the conference. The Program Chairs reserve the right to exclude papers which have not been presented from the proceedings.

**Organizers**
- Ministry of Education and Science of Ukraine
- Institute of Computer Science, FORTH
- Institute of Information Technology and Teaching Resources
- V.N. Karazin Kharkiv National University
- Kherson State University
- Alpen-Adria-Universität Klagenfurt
- Taras Shevchenko National University of Kyiv
- Western Sydney University
- Zaporizhzhya National University
- DataArt Solutions Inc.

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- Mikhail Zavileysky, DataArt, Russian Federation
- Grygoriy Zholtkevych, V.N. Karazin Kharkiv National University, Ukraine

**Program Committee Chairs**
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- Heinrich C. Mayr, Alpen-Adria-Universität Klagenfurt, Austria
- Dimitris Plexousakis, Institute of Computer Science, FORTH, Greece

**Program Committee**
[http://www.icteri.org/program-committee-icteri-2016-main-conference](http://www.icteri.org/program-committee-icteri-2016-main-conference)

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**How to Get to Kyiv**
Kyiv is the capital and a major cultural and touristic venue in Ukraine. The city is easily reachable from all major European air hubs through its Boryspil International Airport ([http://kbpaerou/](http://kbpaerou/)). More details are available at the Conference Venue web page ([http://www.icteri.org/icteri2016-conference-venue](http://www.icteri.org/icteri2016-conference-venue)).