13th International Conference ICTERI 2017

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

May 15-18, 2017, Kyiv – 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

Venue: Taras Shevchenko National University of Kyiv

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 Thematic 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)
Monday, 16.01.2017 – paper submission deadline
Monday, 06.03.2017 – acceptance notification
Monday, 10.04.2017 – camera ready papers submission deadline
Monday, 10.04.2017 – presentation drafts submission deadline
Monday, 10.04.2017 – registration deadline
Monday, 15 - Thursday, 18.05.2017 – conference days

No Conference Fee
Traditionally, ICTERI does not charge conference fees. Participation is FREE. Infrastructure and service expenses are covered by our sponsors.

Other Calls and Satellite Events
The Calls for ICTERI 2017 satellite events are published separately. Please check the Scope and Calls section at the ICTERI 2017 web site for more details: http://icteri.org/icteri-2017/scope-and-calls/

**PhD Symposium**
A new satellite event at ICTERI 2017 is a PhD Symposium. This event is a forum for PhD students to present and discuss their PhD projects with their peers and also get a feedback from internationally recognized PhD mentors. More information about this event is available at the Call for PhD Symposium Papers page at the ICTERI 2017 web site: http://icteri.org/icteri-2017/call-for-phd-symposium-papers/

**Workshops**
ICTERI 2017 encourages the applications to organize satellite workshops that match the scope of the conference - as described at the Call for Workshops page at the ICTERI 2017 web site: http://icteri.org/icteri-2017/call-for-workshops/

**Tutorials**
ICTERI traditionally hosts a few of topical short tutorials related to the conference scope. The information for potential tutors is provided at the Call for Tutorials page at the ICTERI 2017 web site: http://icteri.org/icteri-2017/call-for-tutorials/

**Posters and Demos**
ICTERI 2017 will host its Poster and Demo session as a discussion forum for intermediate results which their authors would like to present to conference participants and receive their feedback. This event is also a good venue for those who wish to present their tool or software. The information about the respective Call could be viewed at the Call for Posters and Demos page of the ICTERI 2017 web site: http://icteri.org/icteri-2017/call-for-posters-and-demos/
IT Talks
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.

Submission Guidelines
The language of ICTERI Main Conference is English. Submissions in any other language will be rejected without review. Presentations in any other language are also not accepted. All submissions shall be annotated by two sets of key phrases: (i) key terms taken from the list of ICTERI subject descriptors available at; and (ii) key words/phrases freely chosen by the authors. At least three and at most five key phrases have to be provided in each set.

All submissions must comply with the Springer CCIS format guidelines. Formatting instructions and template as well as submission guidelines are provided for your convenience at the ICTERI 2017 web site: http://icteri.org/icteri-2017/.

Submission must be made in.pdf or.doc/.docx by using EasyChair Conference Management System: https://easychair.org/conferences/?conf=icteri2017.

Please submit your paper to the applicable ICTERI 2017 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 LNCS 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) LNCS 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 LNCS 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 LNCS pages.

Evaluation and 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.

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

Please check the Previous ICTERI Conferences page at the ICTERI 2017 web site (http://icteri.org/icteri-2017/previous-icteri-conferences/) to access the proceedings and post-proceedings volumes published by the previous conferences.


Where applicable, papers may be invited to be extended and published in the special issues of Ukrainian and International Journals. ICTERI traditionally cooperates with the two Ukrainian journals: Bulletin of V.N. Karazin Kharkiv National University (http://mia.univer.kharkov.ua/) and «Information Technology in Education» (http://ite.ksp.kh.ua/en/).

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/).

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
Taras Shevchenko National University of Kyiv, Ukraine
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Program Committee
Please check the Program Committee page at the ICTERI 2017 web site for the list of the PC members: http://icteri.org/icteri-2017/program-committee/.

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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 Borispol International Airport (http://kbp.aero/en/). More details are available at the Conference Venue page at the ICTERI 2017 web site: http://icteri.org/icteri-2017/conference-venue/.