



# Call for Papers

## 6<sup>th</sup> International Workshop (ITER 2018) Information Technologies in Economic Research

Co-located with the 14<sup>th</sup> International Conference  
on ICT in Education, Research, and Industrial Applications:  
Integration, Harmonization, and Knowledge Transfer (ICTERI 2018)

May 14, 2018, Kyiv - Ukraine

<http://icteri.org/icteri-2018/workshops/iter-2018/>

Proceedings: CEUR-WS, indexed by Scopus  
Post-proceedings: Springer CCIS (acceptance pending), indexed by:  
DBLP, EI-Compendex, Mathematical Reviews, SCImago, Scopus



Venue: Taras Shevchenko National University of Kyiv

### ITER 2018 at a Glance

ITER is an annual peer-reviewed international workshop focusing on research advances, business/academic applications of information and communication technologies related to solving practical economic problems and also pushing forward economic research. ITER puts its emphasis on real world applications of ICT solutions in economy. Therefore, all contributors are strongly encouraged to demonstrate how and for what purpose the proposed solutions are to be used. Examples could be economic case studies involving new tools and/or methodological approaches, experimental studies with usable economic applications, or surveys revealing new IT applications and trends in economic research and practice.

ITER is designed to offer a meeting point for intensive scientific exchange among researchers and practitioners interested in a focused look into information technology in economic research and industrial deployment.

The program of ITER 2018 will include an invited talk, a panel discussion, contributed presentations of the accomplished work and work in progress. The workshop will be half day or full day, depending on the number of accepted contributions.

### Important Dates

(23:59 Hawaii time)

Wednesday, 14.03.2018 - paper submission

Monday, 09.04.2018 - acceptance notification

Monday, 23.04.2018 - submission of camera ready papers

Monday, 30.04.2018 - registration deadline

Monday, 14.05.2018 - Workshop Day

### No Fees

WS ITER, does not charge any conference fee. Participation is FREE, Expenses are covered by sponsors.

### The Scope of ITER

The use of computer programs in all sorts of economic simulations has become increasingly popular in the last few years, producing a wide variety of interesting applications, such as investment portfolio optimization, financial time series, stock ranking, and Risk-Return analysis. Agent-based policy analysis is used for studies on the impacts of environmental dynamics on economic evolution.

Simulation and experimental economics includes evolving artificial societies for simulating evolutionary economies, economic competitions, etc. to select the best models for strategy optimization and economic policy development.

The expansion of IT has a very big influence on business process modeling, e-commerce, economic education, and economic

research through the use of modeling, processing and presentation of economic data. The implementation of IT for economic applications and research is a bridge between researchers and practitioners. The workshop focuses on the interplay of the two important themes: (1) the application of IT in business, economics, finance and research; (2) the economics of research and development in IT industries.

The goals of the workshop are: (1) help economists use IT in economic research and practice, in particular for simulation and forecasting; (2) improve and refine the use of IT in the context of mixed economies.

ITER 2018 invites papers on, but not strictly limited to, the following topics:

**Business Process Modeling:** business process simulations for firms, suppliers, customers and governments; information systems for small and medium size business, IT-innovations in management processes, IT-architecture of enterprise; R&D races, virtual organization management, e-commerce, cloud technology in business, e-governance: practice and applications.

**Fuzzy logic and neural networks in economics:** development of the theory and methodology of neural networks and fuzzy logic in economics, and practical solutions for specific economic construction applications within economic and mathematical models, their program implementation, and experimental studies on their effectiveness, machine learning and big data in economics and finance, robotic advisors in finance and crypto currencies.

**Computational Economics and Economic Modeling:** simulation of economic processes, financial instruments for the forecasting of micro- and macroeconomic dynamics using software modules, organization and development of controlling in the public and private sectors, accounting and audit through IT tools, discrete and continuous economic systems development, mathematical models in profit/loss analysis and assessment for individuals, companies and governments; GIS based technologies for economic science.

**Evolutionary and Simulation Economics:** emphasizes dynamics, changing structures, and disequilibrium processes with an evolutionary perspective; focuses on an evolutionary conception of the economy, evolutionary game theory approach in finance, stability and bifurcation analysis of economic systems, financial crises, computational economics.

**IT Education for Economists:** business informatics and information systems and technologies in economics competencies and curriculum, e-CF and EQF IT-standards for curriculum design in economics; IT-professional training for economic staff, case studies for economists through distance learning; experimental business games, start-ups for students, FinTech Industry in education.

## Submission Types and Requirements

ITER solicits (i) regular (full) research papers, (ii) short research papers, (iii) discussion, survey, or problem analysis papers. Evaluation criteria are the same to those of the main ICTERI 2018 Conference. Please refer to <http://www.icteri.org/icteri-2018-submission-types-and-evaluation-criteria> for more details.

## Submission Instructions and Publication

The languages of ITER are English, Ukrainian and Russian. All submissions shall be annotated by the key words/phrases freely chosen by the authors. At least three and at most five key phrases have to be provided.

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 2018 web site: <http://icteri.org/icteri-2018/>.

Submissions must be made in .pdf by using [EasyChair](#) System: <https://easychair.org/conferences/?conf=icteri2018>.

Please submit your paper to the **ITER 2018 Workshop** Track.

1. Only papers written in English can be recommended, if accepted by the ITER PC, for the publication in the ICTERI 2018 proceedings which will be published electronically at CEUR-WS (indexed by Scopus)

2. The best Workshop papers in Ukrainian and Russian may be invited to be extended and published in the special issues of Ukrainian journals. ITER traditionally cooperates with the Ukrainian journals: «Information Technologies in Economic Research» (<http://iter.kspu.edu/en>) and «Independent Auditor» (<http://npv.n-auditor.com.ua/en/journal.html?n=19&page=1>)

The best Workshop papers written in English and selected by the ICTERI 2018 Steering Committee, among those presented at the conference, may be invited to be revised and extended for the ICTERI post-proceedings volume. The post-proceedings of ICTERI are traditionally published by Springer Communications in Computer and Information Science (CCIS) series.



## Evaluation and Presentation

Every submission will be evaluated by at least three members of the ITER Program Committee. Based on evaluation results, the best papers will be accepted for their presentation at the workshop and, if written in English, publication in the proceedings.

It is strongly required that at least one author of an accepted paper:

- Attends the workshop in person
- Presents their paper at the workshop at the time specified in the program, in person.

Workshop organizers will withdraw the paper from the publication in CEUR-WS proceedings if the author(s) do not attend the workshop.

## Program Committee of WS ITER 2018

### Chairs

[Vitaliy Kobets](#) ([vkobets@kse.org.ua](mailto:vkobets@kse.org.ua)), *Kherson State University, Ukraine*

[Tetiana Paientko](#) ([tpaiventko109@gmail.com](mailto:tpaiventko109@gmail.com)), *Kyiv National Economic University named after Vadym Hetman, Ukraine*

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## Program Committee Members

[Yevhen Alforov](#), *German Climate Computing Center, Germany*

[Tom Coupé](#), *University of Canterbury, New Zealand*

[Fitim Deari](#), *South East European University, Republic of Macedonia*

[Justyna Dobroszek](#), *University of Lodz, Poland*

[Tommaso Federici](#), *LUISS "Guido Carli" University, Italy*

[Javier F. Garcia](#), *Humboldt International University, USA*

[Lidiia Hladchenko](#), *Kyiv National Economic University named after Vadym Hetman, Ukraine*

[Dorota Jelonek](#), *Czestochowa University of Technology, Poland*

[Kestutis Kapocius](#), *Kaunas University of Technology, Lithuania*

[Ganna Kharlamova](#), *Taras Shevchenko National University of Kyiv, Ukraine*

[Dmitry Klyonov](#), *Kherson State University, Ukraine*

[Forcim Kola](#), *"Marin Barleti" University, Albania*

[Sergey Kryukov](#), *Southern Federal University, Russian Federation*

[Vira Lyubchenko](#), *Odessa National Polytechnic University, Ukraine*

[Sergey Mazol](#), *Academy of Public Administration, Minsk, Belarus*

[Ibish Mazreku](#), *University "Haxhi Zeka", Kosovo*

[Jan-Hendrik Meier](#), *University of Applied Sciences, Germany*

[Marin Neykov](#), *University of National and World Economy, Bulgaria*

[Liubov Pankratova](#), *National University of Life and Environmental Sciences of Ukraine, Ukraine*

[Kateryna Proskura](#), *Kyiv National Economic University named after Vadym Hetman, Ukraine*

[Uros Rajkovic](#), *University of Maribor, Slovenia*

[Robert Rickards](#), *Germany Police University, Germany*

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[Alexander Weissbult](#), *Kherson State University, Ukraine*

[Viktoria Yatsenko](#), *Kherson National Technical University, Ukraine*

[Simona Zambelli](#), *University of Bologna, Italy*

[Rong Zhang](#), *Nishinippon Institute of Technology, Japan*

## 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 web page (<http://icteri.org/icteri2018-conference-venue/>).