

Foreword

We would like to offer you the section including a ten papers we have selected for the 2-nd instance of our International Workshop on Information technologies in economic research (ITER 2013) which has been organized as a session in the technical the 9-th International Conference on ICT in Education, Research, and Industrial Applications: Integration, Harmonization, and Knowledge Transfer (ICTERI 2012) held at Kherson, Ukraine on June 19-22, 2013.

The necessity to support decisions by the means of IT at different levels of business process any organization, to verify economical hypotheses and usage of gained knowledge in the learning process requires the use of IT to process relevant information.

Skills of analytical information processing for decision making can effectively be realized only by using information and communication technologies.

The large numbers of economic studies is not supported by modern mathematical framework and ICT, leading to poor quality of the research on both the micro-, macro-and industry levels.

Creation of ITER is intended to familiarize researchers with modern ICT and mathematical methods of information processing in areas such as

- **Business process management:** business process for firms, suppliers, customers, information systems in small and medium business, IT-innovations in management process, R&D company, business intelligence approach, management in virtual organization, e-commerce, cloud technology in business, e-governance.
- **Quantitative methods in economics:** econometrics research on micro- and macro level, business process economical modeling, software package for economic research, modeling industry mergers and acquisitions, finance modeling.
- **IT education for economists:** business informatics curricula, IT-professional training for economical organizations, software programs for economic education, mobile technologies in economical education, e-learning for economists, business games.

Under international level research many scientist and researchers use the Ukrainian and Russian language, which greatly limits the possibilities for the world community to become familiar with published papers. This restricted the number of accepted papers till 10 of the 20 provided for ITER:

Business process management

- Decision Supporting Procedure for Strategic Planning: DEA Implementation for Regional Economy Efficiency Estimation
- Applying of Fuzzy Logic Modeling for the Assessment of ERP Projects Efficiency
- Matrix Analogues of the Diffie-Hellman Protocol
- Binary Quasi Equidistant and Reflected Codes in Mixed Numeration Systems

Quantitative methods in economics

- Mechanism Design for Foreign Producers of Unique Homogeneity Product
- Are securities secure: Study of the Influence of the International Debt Securities on the Economic Growth

- How to make high-tech industry highly developed? Effective model of national R&D investment policy
IT education for economists
- Econometric Analysis on the Site “Lesson Pulse”
- Mathematical Model of Banking Firm as Tool for Analysis, Management and Learning
- Features of National Welfare Innovative Potential Parametric Indication’ Information-Analytical Tools System in the Globalization Trends’ Context
Only timely and qualitative preparation of an economic study will provide recommendations and suggestions for decision-makers, to promote the efficient use of material and budgetary resources in organization.

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