

Predslov / Editorial

Dear readers,

the scientific journal is given into your hands again, founded by the Faculty of Informatics of Pan European University in Bratislava and Civil Association EDUCATION - SCIENCE - RESEARCH in Bratislava.

Current issue is focused on the problem of quantitative methods with IT support. Among renowned authors (Brezina, Andrášik and Papula), there is also given more space to younger authors (Čičková, Brezina jr.), but also to new and upcoming authors (Pittner, Šedivý).

Single contributions are enriched by fresh and interesting topics. They are oriented to this sphere of problems:

- The analysis of using the non-linear dynamic models in qualitative scope of reasoning in economy but also in another economic disciplines (finance, management, planning disciplines) and their connection with software support,
- The use of IT for economic task's solutions using by mathematical models,
- Some criteria for intensity evaluation in solving selected problems,
- Application of innovative methods in implementing knowledge through the example of two specific e-learning systems,
- Design and implementation of a genetic algorithm focused on solving multi-dimensional backpack problem based on an evolutionary algorithm and his applied realization,
- Analysis of model approaches for solving the dynamisation of portfolio selection,
- The analysis of using Bee Colony algorithm for solving the Track Dispatching Problem and design of computer application in accordance with methodological connection of the Track Dispatching Problem analysis with the possibility of using Swarm Intelligence.

We are sure the mentioned topics will be interesting for you and could be an appropriate knowledge source in your future scientific and research work.

The journal also contains information about the activities of our partners that are written for your attention.

Bratislava, 2 July 2013

Ivan Brezina
Member of Editorial Board