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Editorial
METAHEURISTICS AND LARGE-SCALE OPTIMIZATION

Optimization techniques pierced through many chapters of OR, because that "facilitates the choice and the implementation of more effective solutions which, typically, may involve complex interactions among people, materials and money problems" (see, http://www.euro-online.org). The latter challenge stimulates a study of existing techniques as well as development of new, heuristic and metaheuristic concepts for optimization. The 5th EU/ME Workshop was held in Vilnius, Lithuania, May 18-20, 2005, on the theme "Metaheuristics and Large Scale Optimization", (http://www.mii.lt/EUME-2005).

Topics of EUME-2005 overview current trends and gain a common attitude towards:

- large-scale methods in global search;
- heuristics for large-scale linear and integer optimization;
- metaheuristics in data mining;
- large-scale data visualization for optimal decisions;
- analysis and engineering of algorithms;
- applications in engineering and sciences.

There were 47 participants in the workshop representing 15 countries in Europe, America and Asia,: Belarus, Canada, Estonia, France, Germany, Iran, Italy, Lithuania, Norway, Portugal, Russia, Spain, UK, Ukraine and USA. After the selection process, 29 contributed reports were accepted for presentation at the workshop. Three plenary speakers were invited, too. Prof. Panos Pardalos from the University of Florida in the USA, gave the talk: "Metaheuristics in Optimization". Prof. Vladimir Kotov from the Belarus University in Minsk, Belarus, gave the talk: "Algorithms for machine scheduling to minimize makespan with incomplete information". Prof. Stefan Voss from the Hamburg University in Germany, gave the talk: "Optimization Software Class Libraries in the Field of Metaheuristics".

After refereeing process 12 contributed papers were selected for publishing in the journal "Technological and Economic Development of Economy". The best papers are selected for the publishing in the top-rating journal "Journal of Global Optimization".

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Leonidas Sakalauskas

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