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Editorial

Botond Bertók[1] · **Tibor Csendes**[2] · **Tibor Illés**[3]

This special issue contains selected papers of the VOCAL-2012, and the XXX. Hungarian Operations Research Conferences that went through the usual refereeing process according to the policy of CEJOR. These OR conferences took place again at Veszprém, December 11–14, 2012, and Balatonőszöd, 13–15 June, 2013, respectively. The primary organizer of the latter meeting was the Hungarian Operations Research Society (HORS), collaborating with the János Bolyai Mathematical Society and the Hungarian Society for Economic Modeling (HSEM). The chairman of the earlier organizing committee was Bertók Botond. The number of participants was around 80 and 120, respectively. VOCAL-2012 had 3 plenary speakers, 2 plenary tutorial talks and over 60 contributed talks in two parallel sessions. The scientific program of the other meeting comprehended three plenary talks and 75 contributed presentations in two parallel sessions. The language of the conference was Hungarian. More information can be found at the home pages http://vocal2012.dcs.uni-pannon.hu/ and http://www.opkut.hu/konferencia/ (the latter in Hungarian).

It is already the seventh special issue of CEJOR devoted to the Hungarian Conference of Operations Research, and we hope that this tradition provides values for the OR community in Central Europe and beyond. The scope of the conference involved several aspects of operations research: a good mixture of theoretical results and successful applications were presented. Sorting out the best papers of the conference, the aim of this special volume is to demonstrate the current strength of the Hungarian

✉ Tibor Csendes
  csendes@inf.u-szeged.hu

1 Faculty of Information Technology, University of Pannonia, Veszprém, Hungary

2 Computational Optimization Department, University of Szeged, Szeged, Hungary

3 Department of Differential Equations, Budapest University of Technology and Economics, Budapest, Hungary

operations research community. We have received twenty submissions for this volume. Each manuscript was reviewed by at least two anonymous reviewers, and after some rounds of peer reviewing, nine papers were accepted. The editors of the special issue thank the referees for their efforts with which they contributed to the quality of this volume.

The composition of the special issue reflects more or less the versatility of the conference subjects. We have two papers mostly on methodological issues: that written by Fábián et al. (2015), and the one by Mészáros (2015). A contribution by Bánhelyi et al. (2015) is on circle packing . Some papers are related to combinatorial problems. A paper on coloring graphs was written by Bárány and Tuza (2015) and a contribution by Bujtás and Tuza (2015). Tuza on the maximal number of colors in hypertrees. The paper of Bozóki et al. (2015) is about reducing inconsistency of pairwise comparison matrices. The paper Hajba and Horváth (2015) of is about MILP models for real production lines. Mohácsi and Deák (2015) considered a parallel implementation of a volume algorithm . Finally, Vinkó and Najzer (2015) investigated the sustainability of credit based peer-to-peer communities.

Our special issue is similar to that of the Slovenian OR Society, CEJOR issue 3 of volume 23 (2015). The closes papers there are by Cechlárová et al. (2015) on modelling teacher placement in schools , the Dalpasso and Lancia (2015) article on the application of linear programming estimating poker hands, the paper written by Janáček (2015). on data envelopment analysis for estimating the efficiency of Croatian towns, and the article by Janáček (2015) on public service system design with fuzzy methodology.

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