Call for Papers

Special issue on "Novel Variants & Emerging Applications of Variable Neighborhood Search"

Variable Neighborhood Search (VNS) is a metaheuristic which has shown to be very successful for solving hard combinatorial and global optimization problems.

During the 6th International Conference on Variable Neighborhood Search (ICVNS 2018) which will be held in Halkidiki, Greece (Porto Carras Meliton Hotel) October 4-7, 2018, researchers from all around the world are going to present their most recent findings on VNS, either from a methodological viewpoint or as applications to real world problems.

A special issue of Journal of Global Optimization (I.F.: 1.733, SJR: 1.311) will be edited after the conference. Manuscripts should be prepared in LaTeX and submitted through the journal's editorial manager http://jogo.edmgr.com. Please use Springer's LaTeX macro package and choose the formatting option "smallextended".

The final submission should include the original source (including all style files and figures) and a .pdf version of the compiled output. Submission system opens on October 8, 2018, and the -extended- paper submission deadline is March 31, 2019. Select "SI: VNS-2018" for the paper type when submitting your contribution. All papers will go through a regular peer review process.

Authors of papers that will presented at the forthcoming ICVNS 2018 are especially encouraged to submit their work to this special issue. However, the issue will be open to all researchers who can contribute to a better knowledge of VNS. Potential topics include, but are not limited to:

Theory and Methodology:
- Theoretical or empirical analysis of VNS
- New variants of deterministic and stochastic VNS
- Continuous global VNS
- Mat-heuristics and VNS
- Formulation space VNS
- Multi-objective VNS
- Parallel VNS
- VNS hybrids

Applications:
- Mixed integer programming
- Graphs, communication networks
- Clustering, data mining, location
- Inventory, routing, supply chains
- Packing and covering
- Discovery sciences
- Other real world problems

Guest Editors

Angelo Sifaleras, University of Macedonia, Greece, (sifalera@uom.gr)
Nenad Mladenović, Mathematical Institute, Serbian Academy of Sciences and Arts, (nenadmladenovic12@gmail.com)
Panos M. Pardalos, University of Florida, USA, (pardalos@ise.ufl.edu)