Journal of Heuristics

Special CLAIO Issue on "Advances and Applications of Heuristics"

The field of metaheuristics has been fast evolving in recent years. Heuristics, metaheuristics, and hyperheuristics are currently among the most efficient and robust methods to find high-quality solutions to a large number of real-world optimization problems. Successful and innovative applications in areas such as scheduling, routing, supply chains, telecommunications, and transportation abound in the literature. Hybrid metaheuristics, together with recent advances in algorithmic issues and emerging computer technologies, have further extended our ability to solve classical and new optimization problems.

The ALIO community has been very active and involved in the development and applications of metaheuristics since the beginning of this field. This can be witnessed by the activities of several research groups in countries of different national OR societies affiliated to ALIO, as well as by the numerous prestigious conferences hosted in these countries in the last years, such as the III Metaheuristics International Conference (Brazil, 1999), the IV ALIO/EURO Workshop on Applied Combinatorial optimization (Chile, 2002), the III Workshop on Efficient and Experimental Algorithms (Brazil, 2004) and, certainly, the biennial CLAIO conferences.

As a natural outcome of this activity and to the sustained support we have been receiving from both Kluwer Academic Publishers and the Journal of Heuristics, we are very glad to announce a special edition of the latter, substantially devoted to selected publications on advances and applications of heuristics presented at the forthcoming XII Latin American Conference on Operations Research, to be held in Havana, Cuba, from October 4 to 8, 2004.

All contributions will be peer reviewed. The proposed timeline for this special issue is as follows:
- Deadline for the submissions of manuscripts: December 31, 2004
- Target date for completion of the first refereeing round: August 31, 2005
- Target date for sending the accepted manuscripts to the publisher: December 31, 2005

Authors should submit their manuscripts using the Journal of Heuristics Editorial Manager at http://heur.edmgr.com and send a postscript or pdf copy to the Guest Editor. Please, select "ALIO Special Issue Manuscript" as the article type. All manuscripts should be prepared in accordance with the available instructions for authors. Do not hesitate to contact the Guest Editor for any further inquiries at any time.

Guest Editor:
Prof. Celso C. Ribeiro
Universidade Federal Fluminense
Brazil
e-mail: celso@inf.puc-rio.br
URL: http://www.inf.puc-rio.br/~celso