
Call for Papers

HYBRID METAHEURISTICS - HM 2010
7th International Workshop
Vienna, Austria

October 1-2, 2010

<http://www.ads.tuwien.ac.at/HM2010>

Metaheuristics have received considerable interest in the fields of applied artificial intelligence and optimization. Many hard problems in a huge variety of areas, including bioinformatics, logistics, engineering, business, etc., have been tackled successfully with metaheuristic approaches. For many problems the resulting algorithms are considered to be the state-of-the-art methods.

In recent years it has become evident that a skilled combination of metaheuristics with other techniques for optimization or among themselves, a so-called hybrid metaheuristic, can provide a more efficient behavior and a higher flexibility especially when dealing with real-world and large-scale problems.

SCOPE AND TOPICS OF INTEREST

The HM 2010 workshop aims at papers describing good examples of carefully designed and well-analyzed hybrid metaheuristics.

Topics of interest include, but is not limited to:

- novel combinations of components from different metaheuristics,
- hybridization of metaheuristics and AI/OR techniques,
- matheuristics,
- low-level hybridization,
- high-level hybridization, portfolio techniques, expert systems,
- cooperative search,
- automated parameter tuning,
- empirical and statistical comparison,
- theoretical aspects of hybridization,
- parallelization,
- software libraries.

PAPER SUBMISSION

Researchers are invited to submit papers of not more than 15 pages.

Authors are strongly encouraged to typeset their papers with LaTeX and to submit them in PDF format (see Information for LNCS Authors at www.springeronline.com).

Further information on the submission procedure are available on the workshop website <http://www.ads.tuwien.ac.at/HM2010>

Every paper will be reviewed by at least two members of the program committee. Researchers are explicitly encouraged to address statistical validity of their results, if they compare different approaches. Source code and problem instances, if relevant, should be made available on the internet.

The submitted papers must be original works. Simultaneous submission to other conferences with published proceedings is not permitted.

PROCEEDINGS

As in the previous editions of the workshop, accepted papers will be published as a volume of the LECTURE NOTES IN COMPUTER SCIENCE series of Springer.

IMPORTANT DATES

Submission of papers: May 9, 2010

Notification of acceptance: June 20, 2010 Camera-ready papers: July 2, 2010

Workshop: October 1-2, 2010

FURTHER REMARKS

HM 2010 shall be a non-profit workshop. The workshop fee will be kept as low as possible.

GENERAL CHAIR

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