



8th International Workshop on Hybrid Metaheuristics May 23 - 25, 2013 - Ischia (Naples), Italy

First Call for Papers

General Chair

Paola Festa (University of Napoli FEDERICO II, Italy)

Program Chairs

Maria J. Blesa (Universidad Politécnica de Cataluña, Spain)
Christian Blum, (IKERBASQUE and Univ. of the Basque Country, Spain)
Paola Festa (University of Napoli FEDERICO II, Italy)
Andrea Roli (University of Bologna, Italy)
Michael Sampels (Université Libre de Bruxelles, Belgium)

Program Committee

Massimo Benerecetti (University of Napoli Federico II, Italy)
Mauro Birattari (Université Libre de Bruxelles, Belgium)
Marco Chiarandini (University of Southern Denmark, Denmark)
Luca Di Gaspero (University of Udine, Italy)
Karl Doerner (Universität Wien, Austria)
Andreas Ernst (CSIRO, Australia)
Antonio J. Fernández (Universidad de Málaga, Spain)
Oliver Kramer (University of Oldenburg, Germany)
Demetrio Laganà (University of Calabria, Italy)
Andrea Lodi (University of Bologna, Italy)
Vittorio Maniezzo (University of Bologna, Italy)
Rafael Martí (Universitat de València, Spain)
Daniel Merkle (University of Southern Denmark, Denmark)
Bernd Meyer (Monash University, Australia)
Panos M. Pardalos (University of Florida, USA)
Guenther Raidl (Technische Universität Wien, Austria)
Helena Ramalhinho-Lourenço (Universitat Pompeu Fabra, Spain)
Andreas Reinholz (German Aerospace Society, Germany)
Mauricio G.C. Resende (AT&T Labs Research, USA)
Celso C. Ribeiro (Federal Fluminense University, Brazil)
Andrea Schaerf (University of Udine, Italy)
Marc Sevaux (University of South-Brittany, France)
Patrick Siarry (Université de Paris, France)
Kenneth Sörensen (University of Antwerp, Belgium)
Thomas Stützle (Université Libre de Bruxelles, Belgium)
Éric Taillard (University of Applied Sciences of Western, Switzerland)
El-Ghazali Talbi (École Polytech. University of Lille, France)
Stefan Voss (Universität Hamburg, Germany)

Organizing Committee

Daniele Ferone (University of Napoli FEDERICO II, Italy)
Paola Festa (Chair) (University of Napoli FEDERICO II, Italy)
Demetrio Laganà (University of Calabria, Italy)

Important Dates

Submissions Due: February 12, 2013
Notification: March 9, 2013
Final Papers Due: March 19, 2013

Aims & Scope

The HM Workshops are intended to be an international forum for researchers in the area of design, analysis, and experimental evaluation of metaheuristics.

Metaheuristics, such as simulated annealing, evolutionary algorithms, tabu search, ant colony optimization, scatter search and iterated local search, are considered state-of-the-art methods for many problems. In recent years, however, it has become evident that the concentration on a sole metaheuristic is rather restrictive. A skilled combination of concepts from different optimization techniques can provide a more efficient behavior and a higher flexibility when dealing with real-world and large-scale problems. Hybrid Metaheuristics are such techniques for optimization that combine different metaheuristics or integrate AI/OR techniques into metaheuristics.

Previously organized Workshops were held in Vienna (HM 2010), Udine (HM 2009), Malaga (HM 2008), Dortmund (HM 2007), Gran Canaria (HM 2006), Barcelona (HM 2005), and València (HM 2004).

HM2013 is organized as a single-track conference and a non-profit event.

Topics of Interest: Contributions solicited cover a variety of topics including but not limited to:

- ✓ Novel combinations of components from different metaheuristics
- ✓ Hybridization of metaheuristics and AI/OR techniques
- ✓ 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: Authors are invited to submit a full paper describing original, unpublished research with at most 15 pages (in LNCS style). Proofs omitted due to space constraints must be put into an appendix to be read by the program committee members at their discretion. Electronic submissions should be formatted in pdf. The proceedings will be published in Springer's LNCS series. Simultaneous submission to other conferences or workshops with published proceedings is not allowed. See the conference website or contact the workshop organizers for further information.

Journal Special Issue. Selected papers from **HM2013** will be considered for a special issue of an International Journal.

Conference Website: <http://www.hm2013.unina.it>

Contact Information:

Paola Festa (paola.festa@unina.it)
Department of Mathematics and Applications "R. Caccioppoli"
University of Napoli FEDERICO II
Compl. M.S.A. - Via Cintia - 80126 Napoli - Italy
Tel/Fax +39 081 675605
E-mail: infohm2013@unina.it