11th International Conference on Applied Mathematical Optimization and Modelling
APMOD 2014
http://www.apmod2014.org/
Warwick, United Kingdom
9-11 April, 2014
Call for Short Abstracts and Student Papers for the "Heuristics & Metaheuristics" stream
Submission Deadline: 15 January 2014

We invite short abstracts and presentations on (meta)heuristics, either theory or practice-oriented, preferably on real world applications.

We are open to all contributions on heuristics and metaheuristics. We are particularly interested in those that lead to some general insight or are potentially relevant to more than one application area. We take a very broad definition of metaheuristics, for example simulated annealing, tabu search, but also evolutionary algorithms, multi-meme algorithms, adaptive operator selection, hyper-heuristics, dynamic algorithm portfolios, reactive search, particle swarm and others. Topics of interest include (but are not limited to):

➢ (meta)heuristics for combinatorial optimisation problems
➢ (meta)heuristics for multi-objective, discrete and continuous optimisation
➢ (meta)heuristics for dynamic environments
➢ (meta)heuristics to generate (create) heuristics (e.g., generation hyper-heuristics)
➢ (meta)heuristics to choose heuristics (e.g., selection hyper-heuristics)
➢ self adaptive (meta)heuristics
➢ (meta)heuristics based on machine learning
➢ hybrids of (meta)heuristics with exact methods, such as mathematical or constraint programming
➢ (automated) parameter tuning in (meta)heuristics
➢ software tools (e.g., ECJ, HeuristicLab, HyFlex)
➢ distributed/parallel frameworks
➢ applications of metaheuristics to new challenging domains
➢ analytical or semi-empirical studies of (meta)heuristics (e.g., landscape analysis)
➢ performance prediction, performance robustness and scalability issues
➢ barriers to uptake of (meta)heuristics in industry

The winners of the 2nd Cross-domain Heuristic Search Challenge (**CHeSC 2014**) will be announced in this stream: **www.hyflex.org/chesc2014/**

The stream will provide an opportunity for constructive exchange of ideas on (meta)heuristics and their applications to real world problems. If you would like to give a talk in this stream, please submit a title and abstract of no more than 300 words via
www.easychair.org/conferences/?conf=apmodconference2014
by selecting "Heuristics & Metaheuristics" from the topics.

The APMOD 2014 conference also awards a **prize** for the **best student paper** needing a full paper submission to any of the streams. Please read the following page for more details including the eligibility criteria: **www2.warwick.ac.uk/fac/soc/wbs/conf/apmod2014/callforpapers/**

Papers presented at the conference will be considered for publication in the **Annals of Operations Research**.

If you have any questions, please do not hesitate to contact us.

Stream Organisers
Ender Özcan and Andrew J. Parkes
{**Ender.Ozcan**, **Andrew.Parkes**} **(a_t) Nottingham . Ac . UK**