Evolutionary Optimization 2006
   CALL FOR PAPERS

EvoOpt 2006

Special Track on Evolutionary Optimization at the 19th International
FLAIRS Conference
(in cooperation with the American Association for Artificial Intelligence)

11th-13th May, 2006, Melbourne, Florida, USA

Submission Deadline: November 21, 2005

EvoOpt 2006 website: http://evoopt2006.dei.uc.pt
FLAIRS 2006 website: http://www.indiana.edu/~flairs06/

EvoOpt-2006 will focus on the application of Evolutionary Algorithms
(EAs) to complex optimization problems.
In the past few years, these algorithms have been successfully applied
to a large number of optimization problems. Some of the most relevant
examples belong to the class of combinatorial optimization problems such
as the traveling salesperson, scheduling, packing, planning or routing.
Additionally, there are many other situations appearing in various
industrial, economical, and scientific domains that have also been
solved using evolutionary methods.

The topics of interest of the track include (although not limited to them):
* Application of evolutionary algorithms and related nature-inspired
techniques, such as ant colony optimization, particle swarm algorithms
or memetic algorithms, to optimization problems;
* Representation techniques and evolutionary operators;
* Hybridization of EAs with other search methods;
* Multi-objective optimization;
* Application to dynamic optimization problems;
* Constraint handling techniques;
* Search space analysis;
* Neighborhoods and efficient algorithms for searching them;

SUBMISSION GUIDELINES

Submitted papers must be original, and not submitted concurrently to a journal or another conference. The proceedings of FLAIRS will be published by the AAAI. Papers must be prepared using the AAAI instructions for authors, and may be up to 6 pages. Reviewers will be asked to focus on the technical content of the papers, so that all reviews are substantive, providing expert constructive feedback to the authors. There will be no expectation that reviewers should act as editorial proof-readers - high quality presentation is the responsibility of the authors, and inadequately prepared papers may be rejected.

Papers must be submitted in PDF format through the online submission system. Authors of accepted papers will be required to sign a form transferring copyright of their contribution to AAAI. An author of each accepted paper is required to register and attend FLAIRS, and present the paper.

IMPORTANT DATES

Submission deadline: November 21, 2005
Notification of acceptance: January 20, 2006
Camera ready papers: February 13, 2006
EvoOpt 2006: May 11-13, 2006

CHAIRS

Francisco B. Pereira
Polytechnic Institute of Coimbra, Portugal
 xico@dei.uc.pt

Jorge Tavares
University of Coimbra, Portugal
 jast@dei.uc.pt

PROGRAM COMMITTEE

Ajith Abraham, Chung-Ang University, South Korea.

Enrique Alba, University of Málaga, Spain.
Luis Correia, University of Lisbon, Portugal.
Ernesto Costa, University of Coimbra, Portugal.
Carlos Cotta, University of Málaga, Spain.
Jens Gottlieb, SAP AG, Germany.
Jin-Kao Hao, University of Angers, France.
Jano van Hemert, University of Edinburgh, UK.
Bryant Julstrom, St. Cloud State University, USA.
Fernando Lobo, University of Algarve, Portugal.
Gabriel Luque, University of Málaga, Spain.
Penousal Machado, University of Coimbra, Portugal.
Ana Madureira, Polytechnic Institute of Porto, Portugal.
Zbigniew Michalewicz, University of Adelaide, Australia.
Günther Raidl, Vienna University of Technology, Austria.
Thomas Stützle, Technical University, Darmstadt, Germany.
Kay Chen Tan, National University of Singapore, Singapore.