

## ORGANISING COMMITTEE

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- Ingo Wegener (Germany)
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- Takeshi Yamada (Japan)

## CALL FOR PAPERS

# EvoCOP 2005

## Fifth European Conference on Evolutionary Computation in Combinatorial Optimization

Lausanne, Switzerland, March 30 – April 1, 2005

<http://www.evonet.info/eurogp2005/evocop>

Evolutionary algorithms have often been shown to be effective for difficult combinatorial optimization problems appearing in various industrial, economical, and scientific domains. Prominent examples of such problems are scheduling, timetabling, network design, transportation and distribution problems, vehicle routing, traveling salesperson, other graph problems, satisfiability, packing problems, planning problems, and general mixed integer programming.

EvoCOP started in 2001 as the first event specifically dedicated to the application of evolutionary computation and related methods to combinatorial optimization problems. The event is held annually and gives researchers a good opportunity to present their latest research and to discuss current developments and applications, besides stimulating closer future interaction between members of this scientific community. The success of the EvoCOP series is documented by a steadily growing number of submissions from all continents and a strong reviewing process (the last EvoCOP's acceptance ratio was 26.7%). Accepted papers were published by Springer in the series Lecture Notes in Computer Science (LNCS Volumes 2037, 2279, 2611, and 3004).

EvoCOP 2005 wants to bring researchers in the field together once again. Each accepted paper will be presented orally at the conference and printed in own proceedings published by Springer in the LNCS series.

Topics of interest include, but are not limited to: Applications of evolutionary algorithms and related meta-heuristics like simulated annealing, tabu search, memetic algorithms, or ant systems to combinatorial optimization problems; representation techniques; evolutionary operators; constraint-handling techniques; hybrid methods and hybridization techniques; parallelization; theoretical developments; search space analyses; comparisons between different (also non-evolutionary) techniques.

The conference is sponsored by EvoNet, the Network of Excellence in Evolutionary Computing, and will be held in conjunction with the 8th European Conference on Genetic Programming (EuroGP2005) and EvoWorkshops2005, a collection of application-oriented workshops in the field of evolutionary computation.

### Submission

Submit your manuscript (PDF or postscript, max. 10 A4 pages) electronically via <http://www.evonet.info/eurogp2005/evocop> no later than **November 5, 2004**. Please see <http://www.springer.de/comp/lncs/instruct/typeinst.pdf> for the formatting instructions. **IMPORTANT:** The reviewing process will be *double-blind*, so please omit information about the authors in the submitted paper. The submissions will be peer reviewed by at least three members of the program committee. Authors will be notified on the results of the review by December 10, 2004.

The authors of accepted papers will have to improve their paper on the basis of the reviewers' comments and will be asked to send a camera ready version of their manuscripts by January 14, 2005.

### Important Dates:

*Submission deadline:*

November 5, 2004

*Notification of acceptance:*

December 10, 2004

*Camera ready papers due:*

January 14, 2005

*Conference:*

March 30 - April 1, 2005