

Special issues on
Swarm Intelligence: The state of the art in theory and practice

A joint **call for papers**

Theoretical Computer Science (TCS) - Elsevier
Natural Computing (NACO) - Springer

The journals *Theoretical Computer Science* (TCS) (Section C) and *Natural Computing* (NACO) are focussed on the study of computing using resources occurring in nature as well as computing techniques that are inspired by nature. In this joint call for papers, the aim is to produce special issues of TCS and NACO that will reflect the state of the art, along with exciting new developments, in, respectively, theoretical issues and practical/empirical issues in swarm intelligence.

The scope of these joint special issues is broad, covering the latest theoretical and empirical research in the many established areas of swarm intelligence (including ant systems, particle swarm optimisation, foraging algorithms, stochastic diffusion search, and so forth), while welcoming newer developments, novel frameworks and synergies, and so on. The guest editors will welcome and quickly respond to informal questions about the scope.

We envision that some of the accepted papers will be suitable for either TCS or NACO, and the guest editors will therefore partition the accepted papers between the two journals in a suitable way that optimizes coherence. However, if authors have a strong preference for one or the other journal, we ask that you indicate this at the time of initial submission.

Please send submissions in PDF format (leaving wide margins) to any one of the guest editors via email. The guest editors will enlist the services of reviewers from both journal boards, and from others, as appropriate. Note that the final versions of accepted papers will be handled by the relevant journal, and prepared according to the instructions of that journal.

We will make every effort to provide notification of acceptance/rejection within fifteen weeks of submission.

Important dates:

Submission deadline: 15th September 2008
Expected Publication date: mid to late 2009

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