

2009 IEEE Congress on Evolutionary Computation



Trondheim, Norway
18-21 May, 2009



Special Session on Evolutionary Computation in Bioinformatics and Computational Biology

Bioinformatics and computational biology present a number of difficult optimization problems with large search spaces. Recent applications of evolutionary computation in this area suggest that they are well-suited to this area of research. This special session will highlight applications of evolutionary computation to a broad range of topics. Particular interest will be directed towards novel applications of evolutionary computation to problems in these areas.

The bioinformatics special session has been a part of CEC since 1999 and is soliciting high quality papers of original research and application papers that have not been published elsewhere and are not under consideration for publication elsewhere. All papers will be rigorously reviewed by at least 2 reviewers. Accepted papers will be published in the CEC'08 proceedings. There is a clear interest in both the computational intelligence community and biology communities for this special session.

Topics include, but are not limited to:

Drug docking, protein folding, regulatory network, sequence alignment, phylogenetics, RNA structure, genomics, proteomics, metabolics, medicine, ecological modeling,

Important dates:

- Paper Submission: 1 November 2008
- Decision Notification: 16 January 2009
- Camera-Ready Submission: 16 February 2009

Paper Submission:

Electronic web submission in PDF format. See "Paper Submission" at <http://www.cec-2009.org>, and be sure to specify this special session.

Special Session Organizers:

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