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Congress on Evolutionary Computation

July 6-9, 1999
Mayflower Hotel
Washington D.C.
USA

General Chair: Peter J. Angeline
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The **1999 Congress on Evolutionary Computation** promises be the largest high-quality conference ever held specifically on evolutionary computation. CEC99 is a joint meeting of the *IEEE International Conference on Evolutionary Computation* (ICEC), the *Conference on Evolutionary Programming* (EP), and the *Genetic Algorithms in Engineering Systems: Innovations and Applications* (GALESIA) conference, three of the broadest and most inclusive events in the field today. This event is sponsored by the IEEE Neural Networks Council, the Evolutionary Programming Society, and the Institution of Electrical Engineers (IEE). CEC99 will provide an inclusive forum for the presentation of the most recent results and applications the EC field has to offer while fostering communication and progress towards a better understanding of the issues facing evolutionary computation in all forms and applications. This event will set the standard for excellence, diversity, and unity for all future conferences in the evolutionary computation field.

Sessions confirmed for the conference include:

Theory and Foundations of Evolutionary Computations
Engineering Design
Dynamically Changing Fitness Landscapes
Scheduling
Teaching Evolutionary Computation
Tools for Designing Efficient ECs
EC and Knowledge-based Approaches
Particle Swarm Optimization
Multi-Objective Optimization

Time Series Prediction
Co-evolution
Data Mining
Applications to Breast Cancer
DNA Computing
Ant Colony Methods
Evolutionary Computation and Biological Modeling
Quantum Computing

Tutorials to be offered on July 6, 1999 include:

Intro. to Evolutionary Computation
Evolution Strategies: An Introduction
The Evolution of Neural Networks
Data Mining with Evolutionary Algorithms
Intelligent Agents, Mobile Agents, and Multiple Agent Systems
Realizing DNA Computation

Intro. to Genetic Programming
Evolutionary Optimization
Techniques and Advances in Evolutionary Robotics
Bio-Inspired Hardware
Ant Colony Optimization: An introduction
Co-evolutionary Algorithms

Additional details on all conference related information can be found at:: **HTTP://GARAGE.CPS.MSU.EDU/CEC99/**

Questions, concerns, and inquiries can be sent to the conference email at: **CEC99@NATURAL-SELECTION.COM**

Also, see the web pages of the *1999 International Joint Conference on Neural Networks* (IJCNN'99) at **http://www.inns.org**. IJCNN'99 will be held in Washington D.C. on July 10-16, immediately following CEC99. Registration to IJCNN is reduced by $50 when proof of attendance to CEC99 is presented at the IJCNN registration desk.

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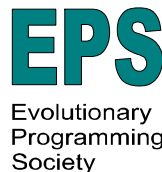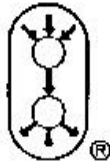
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