

### Special Session Organizers

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### Important Dates:

Paper Submission:  
1st November 2008

Notification of Acceptance:  
16th January 2009

Final Paper Submission:  
16th February 2009



### SCOPE

Both financial and economics problems are more frequently being explored with Evolutionary Computation (EC) techniques. These methods have been proven to be a powerful tool in domains where analytic solutions are not a good alternative. Problems in real world involve complexity, noisy environments, imprecision, uncertainty and vagueness. For this reason EC techniques are needed in order to solve problems related to these areas. So far it has been successfully used for estimating econometric parameters, macroeconomics models, replicating laboratory results with human subjects, searching equilibriums, studying the emergence of the representative agent and rational expectations, designing public policy, in financial engineering, risk management, portfolio optimization, industrial organization, auctions, experimental economics, financial forecasting, market simulation or agent-based computational economics among many other areas.

Topics suitable for this special session include, but are not limited to the above mentioned. The session is open to any high quality submission from researchers working at the intersection of evolutionary computation and economics and finance. Themes of the submitted articles should include the use of evolutionary computation in Economics and Finance, including (but not limited to) the following:

- Agent-Based Computational Economics
- Artificial Stock Markets
- Auctions
- Derivative Pricing
- Environmental Economics
- Evolutionary Games and Industrial Organization
- Experimental Economics
- Financial Data Mining
- Financial Engineering
- Financial Time Series Forecasting and Analysis
- Hedging Strategies
- Macroeconomics
- Microeconomic Behaviour
- Portfolio Management
- Preference, Risk and Uncertainty
- Public Economics
- Simulation of Social Processes
- Term Structure Model
- Trading Strategies

Specific EC techniques include (but are not limited to):

- Associated methods of Genetic Programming and Classifier Systems.
- Bio-inspired Algorithms
- Decision Trees
- Evolutionary Strategies
- Evolutionary artificial Neural Networks
- Evolutionary Programming
- Genetic Algorithms
- Hybrid Evolutionary Systems
- Swarm Intelligence

### CALL FOR PAPERS

Instructions for authors: <http://www.cec-2009.org/>  
CFP webpage: <http://et.evannai.inf.uc3m.es/cfetc-network/index.asp>

