2006 IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE

A Joint Conference of the International Joint Conference on Neural Networks (IJCNN)
IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)
and IEEE Congress on Evolutionary Computation (CEC)

July 16-21, 2006
Sheraton Vancouver Wall Centre, Vancouver, BC, Canada

Call for Contributed Papers

IJCNN 2006 solicits papers from all topics in neural networks, including, but not limited to:

- supervised, unsupervised & reinforcement learning,
- neuroinformatics,
- computational neuroscience,
- neural dynamics & complex systems,
- connectionist cognitive science,
- neural optimization & dynamic programming,
- kernel methods,
- graphic models,
- embedded neural systems,
- autonomous mental development,
- neural control & cognitive robotics,
- hybrid intelligent systems,
- data analysis & pattern recognition,
- image & signal processing,
- hardware implementation, and
- real-world applications.

FUZZ-IEEE 2006 solicits papers from all topics in fuzzy systems, including, but not limited to:

- fuzzy logics & fuzzy set theory,
- fuzzy-neuro-evolutionary hybrids,
- fuzzy optimization & design,
- fuzzy system architectures & hardware,
- fuzzy pattern recognition & image processing,
- fuzzy control & robotics,
- fuzzy data mining & forecasting,
- fuzzy information retrieval,
- fuzzy human interface,
- fuzzy internet & multimedia,
- fuzzy computing with words,
- granular computing, and
- real-world applications.

CEC 2006 solicits papers from all topics in evolutionary computation, including, but not limited to:

- theory of evolutionary computation,
- representation and operators,
- combinatorial & numerical optimization,
- coevolution & collective behavior,
- multiobjective evolutionary algorithms,
- evolutionary design,
- evolvable hardware,
- evolvable software,
- evolving neural networks & fuzzy systems,
- evolving learning systems,
- evolutionary intelligent agents,
- developmental systems,
- molecular & quantum computing,
- bioinformatics & bioengineering,
- ant colonies & immune systems,
- particle swarm & differential evolution, and
- real-world applications.

Cross-fertilization of the three technical disciplines and newly emerging technologies is strongly encouraged. All papers are to be submitted electronically through the Congress website. For general inquiries, please contact General Chair Gary G. Yen at gyen@okstate.edu. For program inquiries, contact IJCNN Program Chair Lipo Wang at elpwang@ntu.edu.sg, FUZZ-IEEE Program Chair Piero Bonissone at bonissone@research.ge.com, or CEC Program Chair Simon M. Lucas at sml@essex.ac.uk.

Call for Special Sessions

IJCNN/FUZZ-IEEE/CEC Program Committees also solicits proposals for special sessions within the technical scopes of the three conferences. Special sessions are organized by internationally recognized experts and aimed to bring together researchers in a focused topic. Papers submitted for special sessions are to be peer-reviewed with the same criteria used for the contributed papers. Researchers interested in organizing a special session are invited to submit a formal proposal to IJCNN Special Sessions Chair Jun Wang at jwang@acae.cuhk.edu.hk, FUZZ-IEEE Special Sessions Chair Tsu-Tian Lee at president@ntut.edu.tw, or CEC Special Sessions Chair Carlos A. Coello Coello at ccoello@cs.cinvestav.mx. Special session proposal should include the session title, a brief description of the scope and motivation, names, contact information and brief CV of the organizers.

Call for Tutorials

WCCI 2006 will feature a number of pre-congress tutorials covering fundamental and advanced computational intelligence topics. Tutorial proposals, submitted to Tutorials Chair via emails, are solicited and should include title, outline, expected enrollment, and presenter biography. Any inquires regarding the tutorials should address to Tutorial Chair DeLiang Wang at dwang@cse.ohio-state.edu.

Important Due Dates

Special Session Proposal: *December 31, 2005*
Paper Submission: *January 31, 2006*
Tutorial Proposal: *January 31, 2006*
Decision Notification: *March 15, 2006*
Camera-Ready Submission: *April 15, 2006*

www.wcci2006.org