

Call for papers

Dear colleagues, this call for papers is to bring to your attention a special session accepted for WCCI 2010.

<http://www.wcci2010.org/special-sessions/accepted-list>

Special session title:

Empirical Mode Decomposition (EMD) – Theory and Applications

Special session objectives and topics

Empirical Mode Decomposition (EMD) is a promising new nonlinear analysis tool for complex, non-stationary time series in machine learning. It decomposes any given nonlinear, non-stationary time series in a fully data-driven, unsupervised fashion into underlying oscillatory components, the so called intrinsic mode functions (IMF). EMD has already proven to be remarkably effective in many engineering and biomedical data analysis applications.

The special session focuses on recent theoretical and algorithmic advances in the field of EMD as well as on new applications in diverse fields of science. Applications with comparative time series evaluations based on neural networks are especially welcome.

Contact email

ingo.keck@biologie.uni-regensburg.de

Special session organizers

Ingo R. Keck (ingo.keck@biologie.uni-regensburg.de), University of Regensburg, Germany.

Ana Maria Tomé (ana@ieeta.pt), University of Aveiro, Portugal.

Elmar W. Lang (elmar.lang@biologie.uni-regensburg.de), University of Regensburg, Germany.

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2010 IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE
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Website: <http://www.wcci2010.org>; E-mail: contact@wcci2010.org

The 2010 IEEE World Congress on Computational Intelligence (IEEE WCCI 2010) is the largest technical event in the field of computational intelligence. It will host three conferences: the 2010 International Joint Conference on Neural Networks (IJCNN 2010), the 2010 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2010), and the 2010 IEEE Congress on Evolutionary Computation (IEEE CEC 2010). IEEE WCCI 2010 will be held in Barcelona, a Mediterranean city located in a privileged position on the northeastern coast of Spain. Barcelona combines history, art, architecture, and charm within a pleasant, and efficient urban environment where meet old friends, and make new ones. The congress will provide a stimulating forum for scientists, engineers, educators, and students from all over the world to discuss and present their research findings on computational intelligence.

All papers should be submitted electronically through the Congress website <http://www.wcci2010.org/call-for-contributions>. Contributed papers will be refereed by experts in the fields based on the criteria of originality, significance, quality and clarity. For general inquiries, please contact General Chair Pilar Sobrevilla at pilar.sobrevilla@upc.edu. For program inquiries, contact Conference Chairs: Alberto Prieto (IJCNN) at aprieto@ugr.es; Piero Bonissone (FUZZ-IEEE) at bonissone@research.ge.com; or Gary Fogel (IEEE CEC) at gfogel@natural-selection.com.

IEEE WCCI 2010 Program Committees solicit proposals for special sessions within the technical scopes of the three conferences. Special sessions, to be organized by international recognized experts, aim to bring together researchers in special focused topics. Cross-fertilization of the three technical disciplines and newly emerging research areas is strongly encouraged. Papers submitted for special sessions are to be peer-reviewed with the same criteria used for the contributed papers.

Important Dates

Paper submission:	January 31, 2010
Notification of paper acceptance:	March 15, 2010
Final paper submission:	May 2, 2010
Early registration:	May 23, 2010