

20th ICANN (International Conference on Neural Networks) Thessaloniki, Greece

<http://delab.csd.auth.gr/icann2010/>

Call for papers - 1st SOINN Workshop

Call for papers

Title: Self-organizing incremental neural network

Organizer: Furao Shen, Osamu Hasegawa

Program Committee:

Furao Shen (Nanjing University), Shogo Okada (Kyoto University), Akihito Sudo, Wataru Kasai, and Osamu Hasegawa (Tokyo Institute of Technology)

Subjects: Self-organization and incremental learning have undergone a rapid growth over the last decade in area of neural networks. While some research issues have received significant attention and matured into stable solutions, new problems and goals are emerging as the focus of neural networks research community. As part of ICANN 2010, the workshop of “Self-organizing incremental neural network” will bring together researchers interested in all aspects of self-organizing incremental neural network topics and their applications.

Papers for this workshop include, but are not limited to:

- Self-Organizing Incremental Neural Network (SOINN)
 - New theory and/or algorithm of SOINN
 - SOINN Applications
- Theoretical analysis of incremental learning
- Life-long learning
 - New theory and/or algorithm for life-long learning
 - Life-long supervised/semi-supervised/unsupervised learning
- Incremental learning for pattern recognition
 - Incremental feature extraction
 - Incremental learning for clustering
 - Incremental learning for classification tasks
 - Incremental learning with support vector machines
- Incremental learning for artificial intelligence
 - Incremental learning for data mining
 - Incremental learning for autonomous mental development
 - Incremental learning for robotics

Prospective authors are invited to submit original, high quality manuscripts of up to 6-pages electronically to “frshen@nju.edu.cn” and “furaoshen@gmail.com”. The submissions will be reviewed rigorously by an international review committee. The submission must conform to the Springer LNCS format, detailed instructions for preparing the manuscript in the required format can be found in “<http://delab.csd.auth.gr/icann2010/submission.html>”.

Publication: All accepted papers will appear in a separate chapter of the ICANN 2010 conference proceedings.

Registration:

Registration policy will be exactly the same as the one of the main 20th ICANN event. Please visit "<http://delab.csd.auth.gr/icann2010/registration.html>".

IMPORTANT DATES:

Submission Deadline: May 1, 2010

Notification of acceptance: May 17, 2010

Camera-ready manuscript and pre-registration: May 31, 2010

Conference dates: September 15-18, 2010