ICNNAI-2010 Special Session: Incremental Learning Models, Topological Learning and Visualization

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AIMS AND SCOPE

Incremental Learning (Active Learning) is a subfield of the Artificial Intelligence which deals with data flow. The key hypothesis is that the algorithms are able to learn data from a data subset and then to re-learn with new unlabeled data. Some topics which deals with Incremental Learning Models are (and not limited to):

Active semi-supervised (or unsupervised) learning approaches;
Time during the learning process;
Memory based systems;
User interaction models;
Fusion (Consensus) based models;

At the end of the learning (supervised or unsupervised), one of the problem is the results (clustering) analysis. This is why; one of the challenges in this field is the topological learning for which the "similar" data are collected in clusters which correspond to the sets of similar patterns. These clusters can be represented by more concise information than the brutal listing of their patterns, such as their gravity center or different statistical moments.

The topics which interest Topological Learning and Visualisation are (and not limited):

Supervised/Unsupervised Topological Learning;
Self-Organization (based on artificial neural networks, but not limited to);
Clustering Visualization and Analysis;

We invite paper submissions (theoretical and applicative works) related to the topics related above (and not limited to).

IMORTANT DATES

Paper Submission Deadline:
Notification of acceptance:
Camera-ready papers:

ORGANIZER:

Dr. Nistor GROZAVU, Computer Science Laboratory of Paris 13 University, FRANCE

Co-ORGANIZER and Chair:

Dr. Nicoleta ROGOVSCHI, Computer Science Laboratory of Paris 13 University, FRANCE