



Call-for-papers

Computer, Speech and Language



Special Issue on Emergent Artificial Intelligence Approaches for Pattern Recognition in Speech and Language Processing.

The speech and language processing studies have a traditional and long history of important events. The same can be observed when we look at the development of artificial intelligence (AI) approaches for pattern recognition. If we join both topics, an interesting observation is that such research has been carried out somewhat separately by the practitioners of each one of these fields. Furthermore, while extremely successful in the core and many academic and commercial applications have resulted from the advancement of each one of the topics, the techniques still have a long way to be improved for further impacting when they are considered in conjunction. In the proposed special issue, the intention is to group papers focusing on **new and emergent** approaches for speech and language processing based on AI, this last spanning neural networks, semantic computing, plus others sub-fields. The specific goal is to receive articles which focus on innovative ideas and applications.

List of Topics:

The intention is to include articles that will cover the following **new and emergent** topics:

- new artificial intelligence approaches;
- new neural networks architectures;
- new neural networks activation functions and kernels;
- new supervised and unsupervised learning models;
- new adaptive data structures;
- semantic and non-traditional networks;
- plus other similar approaches,

with direct application in speech and language processing, particularly involving:

- speaker diarization;
- emotion recognition;
- speech de-noising;
- speech enhancement;
- blind source separation;
- speech translation;
- machine dialogue;
- human-machine interaction;
- biometric authentication;
- biomedical aspects;
- plus other related topics.

Schedule:

Submission Deadline:	September 26, 2008.
Completion of First Round of Reviews:.....	December 5, 2008.
Major Revisions Due:.....	January 16, 2009.
Completion of Second Round of Reviews:.....	March 27, 2009.
Minor Revisions Due:.....	April 17, 2009.
Final Decisions Due:.....	May 1, 2009.
Acceptance Letters Sent to Authors:.....	May 4, 2009.
Tentative Publication Date in <i>ScienceDirect</i> :...	August, 2009.

Submission Procedure: To submit your article, go to <http://ees.elsevier.com/csl/>, log into the system, and select the special issue name ("Special Issue: Emergent_A_I_A_P_R_S_L_P").

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