



Call for papers

Special session on Deep Learning for Human Communication (DLforHC)

at the 3rd IEEE International Conference on Cybernetics (CYBCONF 2017)

Exeter, UK, June 21-23 2017

Conference website: <http://cse.stfx.ca/~CybConf2017>

(1) Special Session Organizers:

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(2) General description of the SS

Deep learning models and techniques are nowadays the leading approaches in computer vision, speech recognition and natural language processing. There has been very rapid and impressive progress in these three areas, in terms of both theories and applications, but many challenges remain.

This special session focuses on all aspects of deep architectures and deep learning, with a particular emphasis on applications for human communication. Both theoretical contributions and practical studies in the area are welcome.

(3) Topics of Interests

This special session calls for original papers describing the latest developments, trends, and solutions related to the issues of Deep Learning. Topics of interests include, but are not limited to:

- Unsupervised, semi-supervised, and supervised deep learning.

- Architectures and optimization for deep models.
- Applications of deep learning in data representation and analysis.
- Applications of deep learning in recognition, understanding, retrieval, restoration.
- Deep learning implementation issues, software platforms and hardware architectures.

(4) Important Dates

- Paper Submission (extended): **23 March 2017**
- Authors Notification: **22 April 2017**
- Camera-Ready Paper: **15 May 2017**
- Early Registration: **15 May 2017**
- Conference Date: **21-23 June 2017**

(5) Program Committee

- Alexey Karpov, SPIIRAS, Russia
- Daria Vazhenina, The University of Aizu, Japan
- Jen-Tzung Chien, National Chiao Tung University, Taiwan.
- Konstantin Markov, The University of Aizu, Japan
- Tomoko Matsui, Institute of Statistical Mathematics, Japan
- Sakriani Sakti, Nara Institute of Science and Technology, Japan.

(6) Submission and Publication

Authors are invited to submit original previously unpublished research papers written in English, of up to 8 pages (or 10 pages with over length charge) including figures and references using IEEE Computer Society Proceedings Manuscripts style (two columns, single-spaced, 10 fonts). Please find the manuscript templates and submission related information at the CYBCONF 2017 conference webpage. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee.

Presented papers will appear in the conference proceedings, available on IEEE Xplore and submitted to be indexed in CPCi (ISI conferences and part of Web of Science) and Engineering Index (EI).