Call for Contributions

1. Inform the Chairs
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INTELLI+2022+Special
Please select Track Preference as **ANNA-NLP**

3. Note: *For 2022, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

ANNA-NLP: Application of Neural Network Architectures for Natural Language Processing

Chair
Lecturer Ridewaan Hanslo, University of Pretoria, South-Africa
ridewaan.hanslo@up.ac.za

along with

INTELLI 2022 : The Eleventh International Conference on Intelligent Systems and Applications
https://www.iaria.org/conferences2022/CfPINTELLI22.html
May 22 - 26, 2022 in Venice, Italy

Neural Network (NN) architectures, also referred to as Deep Learning (DL) architectures, have produced state-of-the-art results for Natural Language Processing (NLP) applications. These NLP applications include Machine Translation (MT), Information Retrieval, Information Extraction, and Question and Answering. NN architectures such as convolutional neural networks, recurrent neural networks, and transformers, have allowed for improved results in NLP research. Some of the tasks that benefited from the NN architectures are name-entity recognition, part-of-speech tagging, phrase chunking, and natural language generation. Furthermore, monolingual, cross-lingual and multilingual text representations have allowed for a deeper understanding of the capabilities and limitations of the NLP methodology using NN architectures.

This special issue invites articles on all aspects of NN architecture application in NLP. Beyond reporting on NN architecture applications, particular focus is on challenging application scenarios of multilingual and cross-lingual representations. These scenarios include MT applications, sequence tagging and sequence-to-sequence tasks, and research involving low-resourced languages.

Expected contributions; topics include, but are not limited to:

- Evaluation of multilingual and cross-lingual representations for low-resource languages
- Evaluation of NLP applications based on all forms of text representations
- Novel analyses of cross-lingual and multilingual representations
- Novel cross-lingual and multilingual benchmarks
- Extending representations to new languages and applications with minimal supervision
- Self-supervised speech representation learning
- Automatic large-scale multilingual corpus mining
- Cost-effective annotation for NLP applications

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Extended abstracts: two pages [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Dates
Inform the Chairs: As soon as you decide to contribute
- Submission: April 8, 2022
- Notification: April 24, 2022
- Registration: May 4, 2022
- Camera ready: May 4, 2022

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules:
http://www.iaria.org/editorialrules.html

Publications
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INTELLI+2022+Special
Please select Track Preference as **ANNA-NLP**

Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

Contact
Chair: Ridewaan Hanslo, ridewaan.hanslo@up.ac.za
Logistics: steve@iaria.org