

***** Call For Paper *****

International Conference on Natural Language & Information Systems (NLDB'2018)

<http://nldb2018.cnam.fr/>

June 13-15, 2018, Paris, France

Since 1995, the NLDB conference aims at bringing together researcher, industrials and potential users interested in various application of Natural Language in the Database and Information Systems field. The term “Information Systems” has to be considered in the broader sense of information and communication systems, including Big Data, Linked Data and Social Networks. The field of Natural Language Processing (NLP) has itself recently experienced several exciting developments. In research, these developments have been reflected in the emergence of neural language models (Deep Learning, Word2Vec) and a (renewed) interest in various linguistic phenomena, such as in discourse and argumentation theory (argumentation mining). Regarding applications, NLP systems have evolved to the point that they now offer real-life, tangible benefits to enterprises. Many of these NLP systems are now considered a de facto offering in business intelligence suites, such as algorithms for recommender systems and opinion mining/sentiment analysis as well as question-answering systems.

Further, topics of interest include but are not limited to:

* **Argumentation Mining and Applications:** Automatic detection of argumentation components and relationships, Creation of resources, e.g. annotated corpora, treebanks and parsers, Integration of NLP techniques with formal, Abstract argumentation structures, Argumentation Mining from legal texts and scientific articles, Applications, e.g. in opinion mining/sentiment analysis;

* **Deep Learning, Neural Languages and NLP:** Word2Vec applications, e.g. opinion mining, text summarization, machine translation, Development of novel deep learning architectures and algorithms, Parallel computation techniques and GPU programming for neural language

models;

* Social Media and Web Analytics: Plagiarism detection, Opinion mining/sentiment analysis, detection of fake reviews, Information extraction: NER, event detection, term and semantic relationship extraction, Text summarization, Text classification and clustering, Corpus analysis, Language detection, Robust NLP methods for sparse, ill-formed texts, Recommendation systems;

* Question Answering (QA): Natural language interfaces to databases, QA using web data, Multi-lingual QA, Non-factoid QA(how/why/opinion questions, lists), Geographical QA, QA corpora and training sets, QA over Linked Data (QALD);

* Corpus Analysis: Multi-lingual and Multi-cultural corpus, Machine translation, Text analysis, Classification systems, Extraction, Named Entity and Event Extraction;

* Semantic Web, Open Linked Data, and Ontologies: Ontology learning and alignment, Ontology population, Ontology evaluation, Querying ontologies and Linked Data, Semantic tagging and classification, Ontology-driven NLP, Ontology-driven systems integration;

* Natural Language in Conceptual Modeling: Analysis of natural language descriptions, NLP in requirement Engineering, Terminological ontologies, Consistency checking, Metadata creation and harvesting;

* Natural language and Ubiquitous Computing: Pervasive computing, embedded, robotic and mobile applications, NLP techniques for Internet of Things (IoT), NLP techniques for ambient intelligence;

* Big Data and Business intelligence: Identity Detection, Semantic Data cleaning, Summarisation, Reporting.

*** SUBMISSION INFORMATION ***

NLDB 2018 invites authors to submit papers for oral or poster presentations on unpublished research that addresses theoretical aspects,

algorithms, applications, architectures for applied and integrated NLP, resources for applied NLP, and other aspects of NLP, as well as survey and discussion papers.

* All accepted papers will be published in the **Lecture Notes in Computer Science (LNCS) series of SPRINGER**.

* We are also planning a **SPECIAL ISSUE IN DATA AND KNOWLEDGE ENGINEERING** an ISI-indexed prestigious journal of ELSIEVER; authors of the best conference papers will be invited to submit an extended version to the journal.

Submitted papers (in the <http://www.springer.de/comp/lncs/authors.html> format) can be of 4 types:

- * Long papers (max. 12 pages, including references)
- * Short papers (max. 6 pages, including references)
- * Poster papers (max. 4 pages, including references)
- * Demo papers (max. 4 pages, including references)

Submission site: <https://www.easychair.org/conferences/?conf=nldb2018> Format: <http://www.springer.de/comp/lncs/authors.html>

*** IMPORTANT DATES ***

Full paper submission: February 5, 2018

Paper notification: March 20, 2018

Camera-ready deadline: April 3, 2018

Contact information: nldb2018@gmail.com