

BigLex 2017

Special Session on Big Data and Language Resources

at the 9th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2017)

Kanazawa, Japan, April 3-5, 2017

Conference website: <http://www.aciids.pwr.edu.pl/>

Special Session Organizers

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Objectives and topics

The huge and rapidly increasing amount of structured and unstructured data available on the Web makes it both possible and necessary to support users in finding relevant information. The trend moves more and more towards smart knowledge services that are able to find information, aggregate them, draw inferences, and present succinct answers without requiring the user to wade through a large number of documents. The novel avenues made possible by knowledge services are numerous and diverse, including ubiquitous information access (from smartphones, tablets, smart watches, etc.), barrier-free access to data (especially for the blind and disabled) and knowledge discovery. Over the last years, several challenges and calls for research projects have pointed out the dire need for pushing natural language interfaces. In this context, the importance of Semantic Web data as a premier knowledge source is rapidly increasing. But we are still far from having accurate natural language interfaces that allow handling complex information needs in a user-centric and highly performance manner. The BigLex 2017 Special Session at the 9th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2017) is devoted to the NLP addressing classification, prediction, and clustering problems and their application to Big Data and small data sets as well as data streams and stationary data sets. We want to offer an opportunity for researchers and practitioners to identify new promising research directions as well as to publish recent advances in this area. The scope of the BigLex 2017 includes, but is not limited to the following topics:

- Natural language interface for web of data
- Browsing linked data
- Question answering over linked data
- Benchmarking natural language interfaces
- Term matching and entity disambiguation
- SPARQL query pattern generation
- Schema-agnostic query generation
- Discovery of linked data sources
- Endpoint profiling
- Dealing with data and schema heterogeneity
- Providing justifications of answers and conveying trust
- Knowledge base design for question answering
- Language resources and NLP software for question answering
- Reasoning for question answering
- Natural language querying of RDF exposed as linked data
- Natural language querying of web services
- User feedback and interaction
- Dialogue systems
- Personal assistants

Important dates

Submission of papers: **31 October 2016 (Hard deadline!!!)**
Notification of acceptance: **1 December 2016**
Camera-ready papers: **15 December 2016**
Registration & payment: **15 December 2016**
Conference date: **3-5 April 2017**

Program Committee (to be invited)

Jason J. Jung, Chung-Ang University, Korea
Dosam Hwang, Yeungnam University, Korea

Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: **BigLex 2017: Special Session on Big Data and Language Resources**

<https://easychair.org/conferences/?conf=aciids2017>

Authors are invited to submit original previously unpublished research papers written in English, of up to 10 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at [Springer's web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the BigLex 2017 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, DBLP, Google Scholar, Scopus, etc.).