

Preface

These proceedings contain the papers that were presented at the 4th International Conference on Statistical Language and Speech Processing (SLSP 2016), held in Pilsen, Czech Republic, during October 11–12, 2016.

SLSP deals with topics of either theoretical or applied interest, discussing the employment of statistical models (including machine learning) within language and speech processing, namely:

- Anaphora and coreference resolution
- Authorship identification, plagiarism, and spam filtering
- Computer-aided translation
- Corpora and language resources
- Data mining and semantic web
- Information extraction
- Information retrieval
- Knowledge representation and ontologies
- Lexicons and dictionaries
- Machine translation
- Multimodal technologies
- Natural language understanding
- Neural representation of speech and language
- Opinion mining and sentiment analysis
- Parsing
- Part-of-speech tagging
- Question-answering systems
- Semantic role labeling
- Speaker identification and verification
- Speech and language generation
- Speech recognition
- Speech synthesis
- Speech transcription
- Spelling correction
- Spoken dialog systems
- Term extraction
- Text categorization
- Text summarization
- User modeling

SLSP 2016 received 38 submissions. Each paper was reviewed by three Program Committee members and also a few external reviewers were consulted. After a thorough and vivid discussion phase, the committee decided to accept 11 papers (which represents

an acceptance rate of about 29 %). The conference program included three invited talks and some presentations of work in progress as well.

The excellent facilities provided by the EasyChair conference management system allowed us to deal with the submissions successfully and handle the preparation of these proceedings in time.

We would like to thank all invited speakers and authors for their contributions, the Program Committee and the external reviewers for their cooperation, and Springer for its very professional publishing work.

July 2016

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Statistical Language and Speech Processing
4th International Conference, SLSP 2016, Pilsen, Czech
Republic, October 11-12, 2016, Proceedings
Král, P.; Martín-Vide, C. (Eds.)
2016, XII, 145 p. 28 illus., Softcover
ISBN: 978-3-319-45924-0