

Preface

These proceedings contain the papers that were presented at the 5th International Conference on Statistical Language and Speech Processing (SLSP 2017), held in Le Mans, France, during October 23–25, 2017.

The scope of SLSP deals with topics of either theoretical or applied interest discussing the employment of statistical models (including machine learning) in 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 dialogue systems
- Term extraction
- Text categorization
- Text summarization
- User modeling

SLSP 2017 received 39 submissions. Every paper was reviewed by three Programme Committee members. There were also a few external experts consulted. After a thorough and vivid discussion phase, the committee decided to accept 21 papers (which

represents an acceptance rate of about 54%). The conference program included three invited talks and 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 diligent cooperation, and Springer for its very professional publishing work.

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