

SPECIAL SESSION (SS06)

Natural Language Processing and Technologies

Organizers:

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Objective of the Special Session:

Technologies based on Natural Language Processing are fetching greater interest among the people. For example, phones and handheld computers support predictive text and handwriting recognition; web search engines give access to information locked up in unstructured text; machine translation allows us to retrieve texts written in Chinese and read them in Spanish. By providing more natural human-machine interfaces, and more sophisticated access to stored information, language processing has come to play a central role in the multilingual information society.

NLP is important for scientific, economic, social, and cultural reasons. NLP is experiencing rapid growth as its theories and methods are deployed in a variety of new language technologies. For this reason it is important for a wide range of people to have a working knowledge of NLP. Within industry, this includes people in human-computer interaction, business information analysis, and web software development. Within academia, it includes people in areas from humanities computing and corpus linguistics through to computer science and artificial intelligence.

We invite researchers, scholars, scientists to contribute papers and meet at this special session for exchange of ideas and development of research collaborations.

Topics of interest include (but are not limited to):

1. Sentiment Analysis and Argument Mining
2. Social Media
3. Summarization
4. Tagging, Chunking, Syntax and Parsing
5. Textual Inference and Other Areas of Semantics
6. Vision, Robotics, Multimodal, Grounding and Speech
7. Word-level Semantics



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8. Dialogue and Interactive Systems
9. Discourse and Pragmatics
10. Document Analysis
11. Generation
12. Information Extraction and Text Mining
13. Linguistic Theories, Cognitive Modeling and Psycholinguistics
14. Machine Learning
15. Machine Translation
16. Multidisciplinary
17. Multilinguality
18. Phonology, Morphology and Word Segmentation
19. Question Answering
20. Resources and Evaluation
21. Sentence-level semantics