Computational Linguistics—Applications

THE CLA Workshop is located within the framework of the IMCSIT conference to create a dialog between researchers and practitioners involved in Computational Linguistics and related areas of Information Technology

IMSCIT is a multi-disciplinary conference gathering scientists form the different fields of IT & Computer Science together with representatives of industry and end-users.

IMSCIT with its motto: "new ideas are born not inside peoples' heads but in the space between them", quickly became a unique place to share thoughts and ideas .This year's gathering is held in October 2009 in a beautiful town of Mrągowo in the midst of Mazury Lake Country.

Workshop Goals

The Computational Linguistics – Applications Workshop was created in 2008 in response to the fast-paced progress in the area.

Traditionally, computational linguistics was limited to the scientists specialized in the processing of a natural language by computers. Scientific approaches and practical techniques come from linguistics, computer science, psychology, and mathematics. Nowadays, there is a number of practical applications available. These applications are sometimes developed by smart yet NLP-untrained developers who solve the problems using sophisticated heuristics.

Computational Linguistics needs to be applied to make the full use of the Internet. There is a definite need for software that can handle unstructured text to allow search for information on the web. According to the European Commission, Human Language Technologies are one of the key research areas for the upcoming years. The priority aim of the research in this area is to enable users to communicate with the computer in their native language.

CLA'09 Workshop is a place where the parties meet to exchange views and ideas with a benefit to all involved. The Workshop will focus on practical outcome of modeling human language use and the applications needed to improve human-machine interaction.

Paper Topics

This call is for papers that present research and developments on all aspects of Natural Language Processing used in real-life applications, such as (this list is not exhaustive):

- information retrieval
- extraction of linguistic knowledge from text corpora
- semantic ontologies in computer linguistics
- lexical resources
- machine translation and translation aids
- ambiguity resolution
- text classification
- corpus-based language modeling
- POS-tagging
- parsing issues
- proofing tools
- dialogue systems
- machine learning methods applied to language processing
- ontology and taxonomy evaluation
- opinion mining
- question answering
- sentiment analysis
- speech and audio processing
- text summarization
- use of NLP techniques in practical applications

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