WICT14: December 2014, Malaysia
Natural Language Processing

Special session title: NLP14, Natural Language Processing

Rationale of the need and objective of the session:

Natural language processing (NLP) is a sub-field of artificial intelligence and linguistics concerned with the interactions between computers and human (natural) languages. Its aim is to study problems in the automatic generation and understanding of natural language.

At first, NLP methods were widely accepted and successful. However, when applied in controlled environments and with a generic vocabulary, many problems arose. However, in recent years contributions to this field have improved substantially, allowing for the processing of huge amounts of textual information with an acceptable level of efficacy.

The objectives are as below:

* To present and discuss the most recent innovations, trends and experiences in the field of NLP

* To provide a platform for academic scientists, researchers,research scholars and practitioners to exchange ideas and to discuss challenging research issues in natural language processing

Specific topics of interest

Recommended topics include but are not limited to the following:

* Morphology and POS Tagging
* Grammar and Formalisms
* Parsing
* Semantics
* Discourse, Pragmatics and Dialog Systesm
* Coreference resolution
* Ontologies and terminologies
* Resources and annotations
* Empirical Machine Translation
* Deployment of NLP applications
* Expert or hybrid machine translation
* Statistical NLP
* Information retrieval and extraction
* Natural Language Generation
* Question answering
* Sentiment and text classification
* Speech recognition and synthesis
* Summarization
* Word sense disambiguation
* Soft computing
* Corpora, Tools and Methodology
* Computer Assisted Language Learning
* Machine learning methods applied to natural language

Program committee

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