Call for Papers

Special Issue on Natural Language Processing and Human-Computer Interaction

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Guest Editors:

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INTRODUCTION

Natural Language Processing (NLP) is gaining momentum due to the explosive increase of web data and the rapid advancement of computing technology. Over the past few years, NLP problems such as morphological, syntactic parsing, and information extraction have been successfully addressed. In recent years, the utilization of NLP technologies towards an effective human-computer interaction has received much attention. Several platforms have been developed to enable humans to interact with computers through natural language interfaces such as speech recognition systems, natural language query systems, semantic search engines and question answering systems.

The purpose of this special issue is to collect innovative and high-quality research contributions regarding the role played by the NLP technologies in Human-Computer Interaction. This special issue aims to explore the synergies between these technologies and give insights on the recent advances in these topics by soliciting original scientific contributions in the form of theoretical and experimental research and case studies.

SCOPE

The topics of this special issue include but are not limited to:

- Natural language interfaces
- Controlled natural language interfaces
- Speech synthesis and recognition systems
- Question answering systems
- Dialog systems
- Semantic search engines
- Monolingual and multilingual information extraction and retrieval
- Sentiment analysis and opinion mining
- Applications and case-studies

Application domains of interest include finance, open innovation, healthcare, digital libraries, organisational learning, knowledge management, e-government, eLearning, decision support, and multimedia systems.
IMPORTANT DATES

Deadline for submission of papers: 31 October 2011
Authors to receive a 1st decision by: 15 January 2012
Final notification of acceptance: 31 March 2012
On-line and print publication: (subject to CIS Schedule)

SUBMISSION PROCEDURE

Papers submitted must have not been published previously or under consideration for publication, though they may represent significant extensions of prior work. Manuscripts should be submitted online at http://ees.elsevier.com/csi/ (see the EES User Guide for Authors). Authors have to select “Natural Language/Human Computer S.I.” as the manuscript type (“Article Type” step in the submission process). All submissions will be peer-reviewed following the double-blind review process. The objective is to apply very high standards of acceptance while ensuring fair, timely and efficient review cycles.

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