

# ***Information Processing & Management***

## ***Special Issue on***

### ***Managing and Mining Multilingual Documents***

#### ***Call for Papers***

***Deadline: April 30<sup>th</sup> 2009***

Due to the popularity of the World Wide Web and the advance of Internet search engines, information in many different languages is accessible online nowadays. For example, one can easily access news stories in real time in over 30 languages on the Web. The number of non-English documents on the Web is growing faster than it was ten years ago due to the significant growth of Internet user population in developing countries. Although it is convenient to obtain multilingual information, these online documents are usually organized or managed in each language separately. Internet search engines provide hierarchical directories of documents for each language at independent portals even if these portals are provided by the same organization. We seldom find any hierarchical directory that provides multilingual classification. The lack of coordination among documents in different languages makes it inefficient for multilingual users to identify resources in multiple languages. Users are required to search by each language and concatenate the results. Such searching process is redundant and time consuming.

Furthermore, in global business environments, mining knowledge from text in a single language may not provide sufficient support to knowledge workers. We often need to integrate multilingual text before applying text mining techniques or integrate the knowledge discovered from text in different languages for obtaining global knowledge. For example, opinion mining from the Web requires multilingual text mining because user opinions are available in different languages from all over the world. Hence, there is an urgent need for advanced techniques in managing and mining multilingual documents.

Many research efforts have been put on cross-lingual information retrieval in the last decade. Such research attention mainly focuses on how to cross the language boundary. However, relatively less effort has been made on coordinating multilingual resources in a unified manner. It is an important area to be explored such that we can fully utilize the multilingual resources for better knowledge management. In this special issue, we solicit high-quality, innovative papers addressing the broad research area of managing and mining multilingual documents. All submissions should be original work not published elsewhere.

Special topics of interest include, but are not limited to, the following:

- Poly-lingual text classification
- Cross-lingual text classification
- Multilingual document clustering
- Cross-lingual category integration
- Multilingual ontology learning or integration
- Cross-lingual thesaurus
- Parallel/comparable corpus mining
- Machine translation
- Cross-lingual question answering
- Multilingual event detection
- Multilingual Web mining
- Opinion mining from multilingual documents
- Multilingual Web social network mining

**Submission Guidelines**

The deadline for submission is **April 30<sup>th</sup> 2009**. All contributions should be submitted through the electronic submission system of *Information Processing & Management*, following the journal guidelines found at:

<http://www.elsevier.com/locate/infoproman>

Please upload your document at <http://ees.elsevier.com/ipm/> and choose '**Managing Multilingual Doc**' as the article type.

All manuscripts will be reviewed by a selected panel of referees, and those accepted will be published in a special issue of *Information Processing & Management*

Inquiries can be made to the guest editor(s) at [chris.yang@ischool.drexel.edu](mailto:chris.yang@ischool.drexel.edu)

**Guest Editors:**

Christopher C. Yang

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