Text, Speech and Language Technology

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Series Ed.: N. Ide

Due to the recent availability of large bodies of text and speech in electronic form, data-based research of all kinds has increased dramatically in areas such as computational linguistics and language engineering (especially corpus-based linguistics), speech, humanities computing, psycho-linguistics, and information retrieval. This series is intended to explore the methodologies and technologies that are emerging as a result of this work. In addition, while each of these disciplines has developed methodologies appropriate to its particular problem area, there is emerging a clearly defined set of technologies and methodologies common to all areas of research involving large quantities of electronic data. The series will be particularly concerned with methodologies and technologies with either actual or potential applicability to other areas. The topics covered by the series include but are not limited to:

- encoding and representation of text and speech;
- lexical statistics and quantitative word studies;
- computational lexicography;
- morphological analysis and part-of-speech tagging;
- grammars and parsing technologies;
- automated content and thematic analysis;
- text databases and retrieval;
- document analysis, automatic indexing and abstracting;
- stylometry and computerized authorship discrimination;
- text generation;
- message understanding;
- text-to-speech and dictation systems;
- speech synthesis and speech recognition;
- phonological and prosodic analysis

The series will contain three general types of books:

- **methodologies** - which survey major methodological approaches in a given domain. Many of the methodologies emerging for text-based work have never been considered collectively or comprehensively, and there is a serious need for books which provide an overview of the important approaches to certain problem areas.
- **advanced research topics** - which treat in depth specific areas of interest or projects at the state of the art. This type of book will describe leading edge research on specific topics, whose methodologies may only have begun to develop.
- **tutorials** - which provide a general introduction to a particular topic.

Recently published:

N. Gala, R. Rapp, G. Bel-Enguix (Eds.)
Language Production, Cognition, and the Lexicon
Vol. 48

H. Bunt, J. Bos, S. Pulman (Eds.)
Computing Meaning
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