



AVVISO DI SEMINARI

Prof. Eneko Agirre

IXA Research Group - Computer Science Department, University of Basque Country (Spain)

17, 18, 22, 23 e 24 giugno 2010 ore 15:00-17:00 - aula Gödel, Il piano Dipartimento di Informatica

Semantic processing of text, focusing on Word Sense Disambiguation and Semantic Similarity

Semantic processing offers the promise to go beyond keyword match. This seminar will overview techniques for semantic processing, focusing on word sense disambiguation and semantic similarity. We will present a range of techniques, including corpus based supervised/unsupervised systems and knowledge-based systems. Finally, application of these techniques to information access will be reviewed.

Biography

Dr. Agirre received his PhD (1999) and B.A. (1990) in Computer Science by the University of the Basque Country, and his M.Sc. (1991) in Cognitive Science by the University of Edinburgh. He is currently an associate professor in the Computer Science Faculty of the University of the Basque Country since 1995. He has published over 100 refereed articles and conference papers in Natural Language Processing, mainly in the areas of Lexical Knowledge Acquisition and Word Sense Disambiguation. He is co-editor of the Springer book "Word Sense Disambiguation", and is a usual program committee member of the main conferences in the area.

Program

Introduction: semantic processing and applications
WordNet and related resources
Word Sense Disambiguation
 Unsupervised methods
 Knowledge-based methods
 Supervised methods
 Domain adaptation
 WSD on specific domains
 Disambiguating entities on Wikipedia
Semantic Similarity and Relatedness
 Corpus-based
 Knowledge-based
Applications in IR
KYOTO project: an integrated approach for semantic search

Seminario per: Dottorato in Informatica e progetto formativo PS_092 (DIPIS).