



## 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).