



Dipartimento di Informatica
Università degli Studi di Bari "Aldo Moro"



**Laboratorio per
l'Acquisizione della Conoscenza e
l'Apprendimento nelle Macchine**
Dipartimento di Informatica
Università degli Studi di Bari "Aldo Moro"



**Centro Interdipartimentale
di Logica e Applicazioni**
Università degli Studi di Bari "Aldo Moro"

Avviso Seminari

Probabilistic Logics

prof. Fabrizio Riguzzi

Mercoledì 27 Marzo 2013 ore 16:00
Dipartimento di Informatica, Aula Gödel
Università degli Studi di Bari "Aldo Moro"

Abstract

The combination of logic and probability is very useful for modeling domains with complex and uncertain relationships among entities. Many probabilistic logic languages have been proposed in various research fields. In logic programming, the distribution semantics has recently gained an increased attention. The talk will present the system EMBLEM for learning the parameters and the systems SLIPCASE and SLIPCOVER for learning the structure of probabilistic logic programs under the distribution semantics. The need for the representation of uncertainty is also strong in description logics. The talk will present the DISPONTE semantics for probabilistic description logics that is based on the distribution semantics and the system BUNDLE for reasoning on DISPONTE theories.

Short Bio

Fabrizio Riguzzi obtained his laurea degree in Computer Engineering from the University of Bologna in 1995 and his PhD degree in Electronic and Computer Engineering from the University of Bologna in 1999. Since the 1st of November 1999 he is a Researcher at the University of Ferrara. His research activity mainly focuses on machine learning and in particular on inductive logic programming and probabilistic inductive logic programming. He has authored more than 100 peer reviewed papers. He was program chair, together with Filip Zelezny, of the 22th International Conference on Inductive Logic Programming 2012 and, together with Marco Gavanelli, of the Convegno Italiano di Logica Computazionale 2009. He is a member of the program committee of many conferences on machine learning and logic programming.

I docenti, i dottorandi e gli studenti sono invitati a partecipare.