



AVVISO DI SEMINARI

[Dr. Sašo Džeroski](#)

Jozef Stefan Institute, Department of Knowledge Technologies, Lubiana (Slovenia)

Mercoledì 14 aprile 2010 ore 10.00, Aula Gödel, II piano, Dipartimento di Informatica

ENVIRONMENTAL APPLICATIONS OF DATA MINING

Data mining (DM), the central activity in the process of knowledge discovery in databases (KDD), is concerned with finding patterns in data. The talk will give a crash-course introduction to data mining, followed by an overview of several applications of data mining to environmental data. Several specific applications will be outlined, including the prediction of forest properties from remote sensing data, brown-bear habitat modelling, and earthquake prediction.

Sašo Džeroski is a scientific councillor at the Jozef Stefan Institute and associate professor at the Jozef Stefan International Postgraduate School, both in Ljubljana, Slovenia. His work is mainly in the area of machine learning and data mining (constrained based data mining, data mining query languages, inductive logic programming, relational data mining, equation discovery and inductive databases) and their applications (mainly in environmental and life sciences). He has participated in and lead a number of national and international projects. His projects involving environmental applications of machine learning/data mining include: Processing Lidar Data (2004-2006), A GIS Model for Natural Environment Fire Hazards (2004-2006), Semantical GRID for Ecological Modeling (2004-2006), Methodology for Producing a Digital Map of Forest Stand Height and Canopy Cover(2006-2010), ECOGEN: Soil ecological and economic evaluation of genetically modified crops (FP 5) 2002-2006, SIGMEA: Sustainable Introduction of GMOs into European Agriculture (FP 6) 2004-2007.

Seminario per: 1) Dottorato in Informatica; 2) Progetto formativo PS_092 (DIPIS).