

2nd PLANNING TO LEARN (PlanLearn) Workshop

associated with ICML/COLT/UAI

Helsinki, July 9, 2008

Program

9:00 -10:30 Session 1

Ashwin Ram, Georgia Tech, USA (Invited speaker):

New Directions in Goal-Driven Learning

Joaquin Vanschoren, Hendrik Blockeel, Bernhard Pfahringer and Geoffrey Holmes:

Experiment Databases: Creating a New Platform for Meta-learning Research

10:30 - 11:00 Coffee break

11:00 -12:30 Session 2

Pedro Abreu, Carlos Soares and Jorge Valente:

Learning to Plan: Selection of Heuristics for the Job-Shop Scheduling Problem based on the Prediction of Gaps in Machines

Alexandros Kalousis, Abraham Bernstein, Melanie Hilario:

Meta-learning with kernels and similarity functions for planning of data mining workflows

Monika Žáková, Petr Křemen, Filip Železný and Nada Lavrač:

Planning to Learn with a Knowledge Discovery Ontology

Rui Leite and Pavel Brazdil:

Selecting Classifiers Using Metalearning with Sampling Landmarks and Data Characterization

12:30 - 14:30 Lunch

14:45 -16:00 Session 3

José Ignacio Estévez, Pedro A. Toledo, José Sigut and Silvia Alayón:

Learning to design complex systems using frequent graph patterns.

Raymond J. Mooney, University of Texas at Austin (Invited speaker):

Transfer Learning by Mapping and Revising Relational Knowledge

16:00 - 16:30 Coffee break

16:30 - 18:00 Poster Session

The poster session will serve as a platform for discussion among participants. All presenters listed above are invited to prepare also a poster. In addition this session will include:

Filip Železný and Ondrej Kuželka:

Learning to Plan and Planning to Learn via Merging Relational Machine Learning with Constraint Satisfaction

End