

ILP 2007 Conference Schedule

Tuesday June 19th

8:00 am - 9:00 pm Breakfast Alumni Center Ballroom

9:00 am - 9:10 pm Welcome and Announcements C&E Hall

9:10 am - 10:30 pm Session 1 C&E Hall

9:10 am - 10:10 pm Invited Talk: *Learning with Kernels and Logical Representations*
Paolo Frasconi

10:10 am - 10:30 pm Poster Overviews

A Phase Transition-Based Perspective on Multiple Instance Kernels
Romaric Gaudel, Michele Sebag, Antoine Cornuejols

Clustering Relational Data based on Randomized Propositionalization
Grant Anderson, Bernhard Pfahringer

10:30 am - 11:00 pm Coffee Break Alumni Center Ballroom

11:00 am - 12:45 pm Session 2 C&E Hall

11:00 am - 12:15 pm Oral Presentations

Mining of Frequent Block Preserving Outerplanar Graph Structured Patterns
Yosuke Sasaki, Hitoshi Yamazaki, Takayoshi Shoudai, Tomoyuki Uchida

*Using ILP to Construct Features for Information Extraction
from Semi-Structured Text*
Ganesh Ramakrishnan, Sachindra Joshi, Sreeram Balakrishnan,
Ashwin Srinivasan

An Inductive Learning System for XML Documents
Xiaobing Wu

12:15 am - 12:45 pm Poster Overviews

XML Document Classification with Co-training
Xiaobing Wu

*Seeing the Forest through the Trees: Learning a Comprehensible Model from a
First Order Ensemble*
Anneleen Van Assche, Hendrik Blockeel

Skimmed Classifiers
Rogerio Salvini, Eduardo Aguilar, Ines Dutra

12:45 pm - 2:00 pm Lunch Alumni Center Ballroom

2:00 pm - 3:40 pm Session 3 (Oral presentations only) C&E Hall

Best student papers:
Foundations of Refinement Operators for Description Logics
and
A Refinement Operator Based Learning Algorithm
for the ALC Description Logic
Jens Lehman, Pascal Hitzler

Learning to Assign Degrees of Belief in Relational Domains
Frederic Koriche

Mode Directed Inverse Entailment for Full Clausal Theories
Oliver Ray, Katsumi Inoue

3:40 pm - 4:10 pm Coffee Break Alumni Center Ballroom

4:10 pm - 5:45 pm Session 4 C&E Hall

4:10 pm - 5:25 pm Oral Presentations

Empirical Comparison of "Hard" and "Soft" Label Propagation
for Relational Classification
Aram Galstyan, Paul Cohen

Applying Inductive Logic Programming to Process Mining
Evelina Lamma, Paola Mello, Fabrizio Riguzzi, Sergio Storari

Learning Declarative Bias
Will Bridewell, Ljupco Todorovski

5:25 pm - 5:45 pm Poster presentations

Induction of Optimal Semantic Semi-distances for Clausal
Knowledge Bases
Claudia D'Amato, Nicola Fanizzi, Floriana Esposito

ILP :- Just Trie It
Rui Camacho, Nuno Fonseca, Ricardo Rocha, Vitor Santos Costa

6:30 pm - 9:30 pm Airlie winery tour Begins at
LaSells Stewert Center

Wednesday, June 20th

8:00 am – 9:00 am Breakfast Alumni Center Ballroom

9:00 am – 10:30 am Session 5 C&E Hall

9:00 am – 10:00 am Invited Talk
Beyond Prediction: Directions for Probabilistic and Relational Learning
David Jensen, University of Massachusetts at Amherst

10:00 am – 10:30 am Poster Overviews

Learning Directed Probabilistic Logical Models using Ordering-search
Daan Fierens, Jan Ramon, Maurice Bruynooghe, Hendrik Blockeel

Using Bayesian Networks to Direct Stochastic Search in Inductive Logic Programming
Louis Oliphant, Jude Shavlik

Revising First-Order Logic Theories from Examples through Stochastic Local Search
Aline Paes, Gerson Zaverucha, Vítor Santos Costa

10:30 am – 11:00 am Coffee Break Alumni Center Ballroom

11:00 am – 12:55 pm Session 6 C&E Hall

11:00 am – 12:15 am Oral Presentations

Structural Sampling for Statistical Software Testing
Nicolas Baskiotis, Michele Sebag

A Relational Hierarchical Model for Decision-Theoretic Assistance
Sriram Natarajan, Prasad Tadepalli, Alan Fern

Relational Macros for Transfer in Reinforcement Learning
Lisa Torrey, Jude Shavlik, Trevor Walker, Richard Maclin

12:15 am – 12:55 pm Poster Overviews

Learning Relational Skills for Inductive Transfer in Relational Reinforcement Learning
Tom Croonenborghs, Kurt Driessens, Maurice Bruynooghe

Building Relational World Models for Reinforcement Learning Mining Large Time Evolving Data Using Matrix and Tensor Tools
Trevor Walker, Lisa Torrey, Jude Shavlik, Richard Maclin

Dynamic Predicate Construction for Learning Relational Concepts
Michael Chiang, David Poole

Combining Clauses with Various Precisions and Recalls to Produce Accurate Probabilistic Estimates
Mark Goadrich, Jude Shavlik

12:55 pm – 2:00 pm	Lunch	Alumni Center Ballroom
2:00 pm – 3:30 pm	ICML Tutorials	
	<i>T1: Tensor Methods for Machine Learning, Computer Vision and Computer Graphics</i> M. Alex O. Vasilescu and Amnon Shashua	Ag Leaders
	<i>T6: Relational Data Community Generation</i> Bo Long, Zhongei Zhang and Philip S. Yu	C&E Hall
	<i>T7: Practical Statistical Relational Learning</i> Pedro Domingos	Austin Auditorium
	<i>T8: Group Theoretical Methods in Machine Learning</i> Risi Kondor	Ag Production
3:30 pm – 4:00 pm	Coffee Break	Alumni Center Ballroom
4:00 pm – 6:00 pm	Afternoon Sessions (cont'd.)	
6:00 pm – 9:00 pm	Oregon State Reception	Kelley Engineering Center

Thursday, June 21st: ICML/ILP Technical Sessions

8:00 am – 9:00 am	Breakfast	Alumni Center Ballroom
9:00 am – 9:10 am	Opening	Austin Auditorium
9:10 am – 10:10 am	Invited Talk <i>Thoughts on Kernels</i> Bernhard Schölkopf, Max Planck Institute for Biological Cybernetics	Austin Auditorium
10:10 am – 10:40 am	Coffee Break	Alumni Center Ballroom
10:40 am – 12:50 pm	Session 7	Austin Auditorium
10:40 am – 11:30 am	Invited Panel <i>Structured Machine Learning: The Next 10 Years</i> Thomas Dietterich, Pedro Domingos, Lise Getoor, Stephen Muggleton, Bernard Pfahringer	
11:30 am – noon	ILP Impromptu talks	
Noon -- 12:50 pm	ILP Business meeting	
12:50 pm – 2:00 pm	Lunch	Alumni Center Ballroom
2:00 am - 3:40 pm	ICML Session 5 on ILP/Relational Learning <i>Bias/Variance Analysis for Relational Domains</i> Jennifer Neville, David Jensen <i>Learning Probabilistic Logic Models from Probabilistic Examples</i> Jianzhong Chen, Stephen Muggleton, Jose Santos [ICML] <i>Learning from Interpretations: A Rooted Kernel for Ordered Hypergraphs</i> Gabriel Wachman, Roni Khardon [ICML] <i>Statistical Predicate Invention</i> Stanley Kok, Pedro Domingos	Austin Auditorium
3:40 pm - 4:10 pm	Coffee Break	Alumni Center Ballroom
4:10 pm- 5:50 pm	ICML Session 12 on Relational Learning [ICML] Parameter Learning for Relational Bayesian Networks Manfred Jaeger	Austin Auditorium

[ICML] Relational Clustering by Symmetric Convex Coding
Bo Long, Zhongfei Zhang, Xiaoyun Wu, Philip S. Yu

[ICML] Bottom-Up Learning of Markov Logic Network Structure
Lilyana Mihalkova and Raymond J. Mooney

[ICML] Fast and Effective Kernels for Relational Learning from Texts
Alessandro Moschitti, Fabio Massimo Zanzotto

7:00 pm - 10:00 pm Joint Poster Session with ICML

LaSells Stewart Center