

## Hecse Autumn School 15-16 September 2010

Helsinki Graduate School in Computer Science and Engineering, [www.cs.helsinki.fi/hecse/](http://www.cs.helsinki.fi/hecse/)

Wednesday 15 September 2010

Marina Congress Centre, Katajanokanlaituri 6

14:00-15:20 PGM 2010 Session 10: Applications

Chair: Pedro Larranaga

- John Agosta, Omar Zia Khan, Pascal Poupart: Evaluation results for a query-based diagnostics application
- Barry Cobb: An influence diagram model for detecting credit card fraud
- Hongyu Su, Markus Heinonen, Juho Rousu: Multilabel classification of drug-like molecules via max-margin conditional random fields
- Demet Özgür-Ünlüakin, Taner Bilgiç: An aggregation and disaggregation procedure for the maintenance of a dynamic system under partial observations

15:20-15:45 Coffee

15:45-16:45 PGM 2010 Invited talk: Thore Graepel, Microsoft Research: Graphical Models in Microsoft's Online Services: TrueSkill, AdPredictor, and Matchbox

17:00-19:00 PGM 2010 poster session III and Hecse poster session I with buffet

Hecse posters

Sourav Bhattacharya	Enriching Location Information
Billy Brumley	Cache-Timing Attacks (with Risto Hakala)
Jori Dubrovin	Checking Reachability Properties by Bounded Event Tracing
Doris Entner	On causal discovery from time series data using FCI
Xiang Gan	Validation and verification of component-based embedded systems
Antti Hyttinen	Causal discovery for linear cyclic models with latent variables
Mikko Korpela	Forest data analysis: tools and results
Eemil Lagerspetz	Using Bloom Filters for Energy Conservation in a Mobile Search and Synchronization Application
Panu Luosto	Finding the right number of Gaussian clusters from a noisy background with MDL principle
Joni Pajarinen	Efficient Planning in Large POMDPs
Juuso Parkkinen	Visualizing High-dimensional Data with Generative Models
Janne Toivola	Damage detection methods for Structural Health Monitoring with Wireless Sensor Networks
Niko Välimäki	Algorithms for De Novo Assembly with a Mixed Set of Reads" (with Leena Salmela, Esko Ukkonen, Veli Mäkinen)
Yu Xiao	Traffic-aware network interface control for energy-efficiency

## Thursday 16 September 2010

### University of Helsinki, Fabianinkatu 33

- 8:30-9:00      Setting up posters, 2<sup>nd</sup> floor
- 9:00-10:00    Invited talk: Stefan Woltran, TU Wien: Computational Aspects of Abstract Argumentation, Room 13, 3<sup>rd</sup> floor
- 10:00-10:30   Coffee, 2<sup>nd</sup> floor aula
- 10:30-12:30   Hecse poster session II, 2<sup>nd</sup> floor aula

#### Hecse posters

Lauri Ahlroth	Data aggregation: balancing delay and communication costs
Teppo E. Ahonen	Combining Chroma Features for Cover Version Identification
Antti Ajanki	Mobile contextual information access
Esther Galbrun	Minimum-cut connection subgraph
Mark van Heeswijk	Regression for Large Datasets using an Ensemble of GPU-accelerated ELMs
Juha Helminen	Jype - A Program Visualization and Programming Exercise Tool for Python
Antti Hyvärinen	Distributed Constraint-Based Search
Kari Kähkönen	Dynamic Symbolic Execution for Automated Test Generation of Multithreaded Programs
Heikki Kallasjoki	Noise Robust Features in Automatic Speech Recognition
Roland Kindermann	Timed to Untimed Model Translation
Janne Korhonen	Algorithms for Closed Set Families
Tuomas Launiainen	Lightweight formal methods in software development using dynamic symbolic execution
Jan Lönnberg	Dependency-based visualisation of concurrent program execution
Jaakko Luttinen	Variational Gaussian-process factor analysis for modeling spatio-temporal data
Markus Ojala	Tell me something I don't know: Randomization strategies for iterative data mining
Nima Reyhani	Multiple Kernel Learning with Conditional Entropy
Sini Ruohomaa	Automating trust decisions on inter-enterprise collaborations
Mats Sjöberg	Semantic-driven multimedia retrieval and browsing
Jarkko Toivonen	Finding transcription factor binding sites from a massive SELEX dataset
Siert Wieringa	Observations on incremental SAT solving
Fang Zhou	Compressing a weighted graph

- 12:30-13:30    Lunch, 2<sup>nd</sup> floor aula

13:30-14:30 Invited talk: John-Mark Agosta, Intel: Network traffic anomaly detection: The story of a research project, Room 10, 3rd floor