

**AKRR'08 PROGRAMME** (small changes possible)

17.-19.9.2008, Haikko Manor, Haikkoontie 114, Porvoo, Finland

**TUESDAY 16<sup>th</sup> of September**

19:30-21:00	Registration and Get together
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**WEDNESDAY 17<sup>th</sup> of September**

08:40-09:00	Conference opening (Olli Simula, Amaury Lendasse, Timo Honkela)
09:00-10:00	Keynote presentation: <b>Marie Cottrell</b> (Université Paris 1): Data Analysis using Self-Organizing Maps
10:00-10:15	Break
10:15-12:15	Learning systems I
	<b>Tapio Pahikkala, Antti Airola, Jorma Boberg and Tapio Salakoski:</b> Exact and Efficient Leave-Pair-Out Cross-Validation for Ranking RLS
	<b>Hanna Suominen, Tapio Pahikkala and Tapio Salakoski:</b> Critical Points in Assessing Learning Performance via Cross-validation
	<b>Xiao-Zhi Gao, Xiaolei Wang and Seppo Ovaska:</b> Re-editing and Censoring of Detectors in Negative Selection Algorithm
	Invited talk: <b>Ville Könönen:</b> Feather-light Context Recognition for Mobile Devices - Context Recognition Research at VTT
12:15-13:00	Lunch
13:00-14:00	Health care systems
	<b>Sergei Nirenburg, Marjorie McShane, Stephen Beale and Bruce Jarrell:</b> Adaptivity in a Multi-Agent Clinical Simulation System
	Panel discussion
14:00-14:15	Break
14:15-15:15	Keynote presentation <b>Harri Valpola</b> (Helsinki University of Technology): From Raw Data to Abstract Concepts
15:15-15:45	Workshop and discussion
15:45-16:15	<b>Basilio Calderone:</b> Unsupervised Decomposition of Morphology. A Distributed Representation of the Italian Verb System
16:15-16:45	AKRR and ESTSP participant map presentation
16:45-17:30	Demo session
18:00-21:00	Sauna and spa
21:00-23:00	Dinner

## THURSDAY 18<sup>th</sup> of September

09:00-10:00	Keynote presentation: <b>José Príncipe</b> : Information Theoretic Learning and Kernel Methods
10:00-10:15	Break
10:15-11:45	Learning systems II
	<b>Xiaolei Wang, Xiao-Zhi Gao and Seppo Ovaska</b> : A Simulated Annealing-Based Immune Optimization Method
	<b>Matti Pöllä and Timo Honkela</b> : Change Detection of Text Documents Using Negative First-Order Statistics
	Invited talk: <b>Aapo Hyvärinen</b> (University of Helsinki): Causal Discovery Using Non-Gaussian Bayesian Networks
11:45-12:30	Lunch
12.30-13.30	Keynote presentation (chair: Olli Simula): <b>Włodzisław Duch</b> (Nicolaus Copernicus University): Neurocognitive approach to natural language understanding and creativity
	Special session on Creativity and Innovation
13:30-14:10	Short panel presentations
14:10-15:00	Group work and break
15:00-16:10	Panel discussion
16:10-16:30	Summary
17:00-21:00	Guided tour in the medieval town Porvoo
21:00-23:00	Dinner

## FRIDAY 19<sup>th</sup> of September

09:00-10:00	Keynote presentation: <b>Ron Sun</b> (Rensselaer Polytechnic Institute): Cognitive Architectures and Cognitive Social Simulation
10:00-10:15	Break
10:15-12:00	Cognitive architectures
	<b>Michal Malý:</b> Cognitive Assembler
	<b>Jan Sefranek:</b> Knowledge Representation for Animal Reasoning
	Invited talk: <b>Dimitrios Stamovlasis:</b> A Cusp Catastrophe Model for Working Memory Overload Hypothesis
	Discussion
12:00-12:45	Lunch
12:45-13:00	Keynote presentation: <b>Kimmo Rossi</b> (EU Commission): Language Technology and Machine Translation in the European Funding Programmes: the Quest for a New Paradigm
13:00-13:15	Break
13:30-15:00	Language and Cognition (chair: Ricardo Vigário)
	<b>Martin Takáč:</b> Developing Episodic Semantics
	<b>Toomas Kirt:</b> Search for Meaning: An Evolutionary Agents Approach
	Invited talk: <b>Sverker Sikström:</b> Exploring the High Dimensional Semantic Space in the Brain
15:00-16:15	Panel discussion
16:15-16:30	Closing

## PORVOO, HAIKKO AND HOW TO GET THERE?

### Some history

Six towns were established in Finland during the Middle Ages<sup>1</sup>. Some of them grew to be towns without any official order having been issued. This was the case with Porvoo, which got the town rights after Turku in the 14th century. The story tells that in 1346 Maunu Eerikinpoika (Magnus Eriksson), then the King of Sweden, visited Porvoo and granted the town rights there and then.

The Porvoo Diet made Finland a nation among nations<sup>2</sup>. After Finland's seven hundred year association with Sweden broke with the War of Finland of 1808-1809 between Sweden and Russia, Finland was annexed to Russia as an autonomous Grand Duchy. Russian emperor Alexander I convened the Diet in Porvoo in 1809. The emperor ratified the religion and the fundamental laws of the land as well as the rights of the estates on the 29th of March of that year in the Porvoo Cathedral.

Finland's national poet, Johan Ludvig Runeberg (1804-1877), who also wrote the words for the Finnish national anthem, "Maamme" (our Country), lived with his family in Porvoo from for 40 years, starting in 1837<sup>3</sup>.

Porvoo has always been an inspiration to numerous artists<sup>4</sup>. The creator of Moomins, Tove Jansson, and artist Tuulikki Pietilä spent nearly 30 summers on the small and bare islet of Klovharu in Pellinki, living productive and full lives. The Moomin books reflect the impact the surging Gulf of Finland had on Tove Jansson.

The history of Haikko Manor dates back to 1362 when it was owned by a Dominican Monastery of Vyborg<sup>5</sup>. Its fascinating past has been linked with royal and imperial splendor. During the Russian rule at the turn of the century several members of the Russian imperial family visited Haikko during the summers. At the turn of the 20th Century there was a period of a rarefied social life with balls, suppers and parties arranged at Haikko. Among the distinguished guests was the artist Albert Edelfelt who spent 24 summers working in his studio close to Haikko Manor. The beautiful Finnish archipelago with its weather-beaten islanders was an unending source of inspiration for him and he painted over 200 works there.

### How to get there

The Haikko Manor, Spa and Conference Centre is situated on the shore of the Gulf of Finland, 37 km from Helsinki-Vantaa Airport and 7 km from the city of Porvoo. The Haikko Manor can best be reached from the airport by regular taxi or Airport taxi. The travel takes about 30-40 minutes. The regular taxis are available outside the arrivals hall and the average fare from the airport to Haikko is approximately 50 EUR. The Airport taxis are cheaper for groups and taxis can be booked at the booths in the Arrivals Hall. Drivers accept major credit cards and do not expect tips. In general, taxis are very reliable in Finland.

One can also take a direct bus from Helsinki-Vantaa International terminal to the bus station of Porvoo. There is a connection once or twice an hour from 9am to 10pm. Please, use <http://www.matkahuolto.fi/en/> to find exact timetables indicating Helsinki-Vantaa as the place of departure ("From") and Porvoo as the place of arrival ("To"). One way ticket costs about 12 EUR. From Porvoo city centre you may take a taxi or a bus to Haikko Manor.

### Maps

Please, consider searching Google Maps with "Helsinki-Vantaa" (for the airport), "Porvoo", and "Haikko Manor".

1 [http://tourism.porvoo.fi/en/general\\_information\\_of\\_porvoo](http://tourism.porvoo.fi/en/general_information_of_porvoo)

2 [http://tourism.porvoo.fi/en/stories\\_of\\_porvoo/the\\_porvoo\\_diet](http://tourism.porvoo.fi/en/stories_of_porvoo/the_porvoo_diet)

3 [http://tourism.porvoo.fi/en/stories\\_of\\_porvoo/national\\_poet\\_jl\\_runeberg](http://tourism.porvoo.fi/en/stories_of_porvoo/national_poet_jl_runeberg)

4 [http://tourism.porvoo.fi/en/stories\\_of\\_porvoo/moomins\\_and\\_klovharu](http://tourism.porvoo.fi/en/stories_of_porvoo/moomins_and_klovharu)

5 [http://www.haikko.fi/info/en\\_GB/history/](http://www.haikko.fi/info/en_GB/history/)