Theses

Licentiate of Science in Technology

2004

Lehtola, Aarno
Grammar formalism for controlled language machine translation: Augmented lexical entries

Reunanen, Juha
Overfitting pitfalls in feature selection

Vilkama, Esa
Integration of learning systems and prior knowledge for manufacturing process

2005

Patrikainen, Anne
Methods for comparing subspace clusterings

Master of Science in Technology

2004

Gävert, Hugo
Bankruptcy prediction and cluster analysis of small and medium-sized enterprises based on financial statements

Harva, Markus
Hierarchical variance models of image sequences

Heinonen, Mikko
Video transcoding using digital signal processor

Kinnunen, Tero
Design and implementation of a licensing system for remote patient monitorin software

Kontio, Juho
Neuroevolution based artificial bandwidth expansion of telephone band speech

Korkiakoski, Visa
Parallel simulation of a coronagraph for extremely large telescopes

Laaksonen, Miika
Akustinen tiedonsiirtoprotokolla ja sen luotettavuuden parantaminen (Acoustic data tran-simission protocol and its reliability)

Lundén Petteri
Analysis of the wideband CDMA on the 2.6 GHz extension band

Paavola, Risto
Paperikoneen poikkiradan kutistumamittaus digitaalisen kuvankäsittelyn avulla (Paper mill cross section shrinkage measurement using digital image processing)

Pylkkönen, Janne
Phone duration modeling techniques in continuous speech recognition

Rasinen, Lasse
Aikakauslehtien myyntipistekohtainen valikoimanoptimointi (Magazine sales outlet assort-ment optimization)

Similä, Timo
The impact of research and development on growth in Finnish manufacturing firms

Simola, Juhani
Protein identification by tandem mass spectrometry and sequence database search

Talvinen, Tea
Konfiguroitavan kliinisen kemian automaatiojärjestelmän toiminnan monitoroinnin ke-hittäminen (Developing monitoring of the functioning of a configurable clinical chemistry automation system)

Tatti, Nikolaj
Dissimilarity measures between binary data sets

Teräs, Arto
Database for ground based snowfall observation

Tikka, Jarkko
Learning linear dependency trees from multivariate data

Ukkonen, Antti
Data mining techniques for discovering partial orders

Verta, Heikki
Trace based off-line analysis of component-based systems

2005

Broman, Simo
Combination methods for language models in speech recognition

Hao, Jin
Input selection using mutual information - Applications to time series prediction

Hanhijärvi, Sami
Methods of active learning with model selection

Heikinheimo, Hannes
Inferring taxonomic hierarchies from 0-1 data

Hinneri, Samuli
Visual attention detection of Gaussian profile 2D structures in medical imaging

Ji, Yongnan
Least squares support vector machines for time series prediction

Kohonen, Oskar
Generering av naturligt språk från emergenta representationer (Natural language generation using emergent representations)

Knuuttila, Juha
Analysis of selected in silico haplotyping methods in presence of missing genotype data and linkage disequilibrium between genetic SNP markers

Kokkola, Antti
Optimization of noise suppression algorithm for digital signal processors

Kärkkäinen, Anssi
Menetelmiä radiotaajuisen mittausaineiston analyysiin ja visualisointiin (Methods for analysis and visualization of radio frequency measurement data)

Lagutin, Dmitrij
An interactive tool for structuring user data

Liitiäinen, Elia
Stochastic nonlinear filtering in continuous time

Lindh-Knuutila, Tiina
Simulating the emergence of a shared conceptual system in a multi-agent environment

Marin, Teppo
A data analysis tool set to support the data mining process

Mäkelä, Riikka
Methods for bilateral haemodynamic activation studies of newborn infants

Nyrkkö, Seppo
RDF-mallien käyttö ontologiapohjaisessa dialogin hallinnassa (Utilisation of RDF-models in ontology-based dialogue management)

Phani Sudheer, Bhutadi
Interference cancellation in CDMA systems – Various approaches

Pöllä, Matti
Modeling anticipatory behavior with self-organizing neural networks

Rautkorpi, Rami
Shape features in the classification and retrieval of surface defect images

Sorjamaa, Antti
Strategies for the long-term prediction of time series using local models

Turunen, Ville
Spoken document retrieval in Finnish based morpheme-like subword units

Vesalainen, Heikki
Automatic extraction of protein-protein interactions from medical papers

Virpioja, Sami
New methods for statistical natural language modeling

Väyrynen, Jaakko
Learning linguistic features from natural text data by independent component analysis

Ylipaavalniemi, Jarkko
Variability of independent components in functional magnetic resonance imaging