Theses

Licentiate of Science in Technology

2007

Hiisilä, Heli
Segmentation of time series and sequences using basis representations

Master of Science in Technology

2006

Aaltonen, Leif
Utilization of a specific controller for compensation and control functions in a RFIC of a mobile communication device

Ajanki, Antti
Modeling of gene regulation with context dependent bayesian networks (Geenisäätelyn mallinnus tilanneriippuvilla Bayes-verkoilla)

Etholén, Antti
The automatic adaptation of hip implants into x-ray images. (Lonkan tekonivelen automaattinen sovitus röntgenkuvaan)

Jokela, Matti
Condition monitoring and algorithms for fault detection (Kunnonvalvonta ja vianilmaisualgoritmit)

Korpela, Mikko
Analysis of changes in gene expression time series data

Kyröhonka, Jussi
Evaluation of the use of JavaServer Faces in a portlet-based application environment

Lehtola, Harri
Peer-to-peer based reliability for multicast sessions

Lundqvist, Leo
Deriving a rule set from a large set of data

Mansikkamäki, Mira
Visualization of computer tomography data for dental implant planning (Tietokonetomo-

grafiadatan visualisointi hammasimplanttisuunnittelua varten)

Paukkeri, Mari-Sanna
Potential risks of user's privacy in uticomp environment

Rasinen, Antti
Analysis of Linux evolution using aligned source code segments

Reyhani, Nima
Noise variance estimation for function approximation

Rinnet, Tapio
Extracting stress-related effects from yeast gene expression by canonical correlation analysis

Ruuskanen, Samuli
Outlook for the global delivery management market

Saarela, Atte
Optimization of wood cutting using dynamic programming (Lautojen sahauksen optimointi dynaamisella optimoinnilla)

Sjöberg, Mats
Content-based retrieval of hierarchical objects with PicSOM

Toivonen, Ville-Matti
Monitoring and maintenance framework for a distributed system

Ukkonen, Tomas
Parallel Monte Carlo simulation in spatial analysis (Hajautettu Monte Carlo simulaatio paikkatietoanalyysissä)

Virtanen, Taina
Self-organizing maps in customer segmentation (Asiakaskannan segmentointi menetelmänä itseorganisoivat kartat)

Ye, Yujie
Variant DSP solutions for educational purpose

2007

Aukia, Janne
Bayesian clustering of huge friendship networks

Björkqvist, Mathias
Integrity protection of untrusted storage

Knuuttila, Olli
Gaussian processes in biostatistics: a case study of personal emergency link usage in Hong Kong

Kärnä, Tuomas
Functional data dimensionality reduction for machine learning

Matilainen, Jukka

A probabilistic modeling toolkit for a systems biology software platform

Multanen, Mikko
Outlier detection in cellular network data exploration

Muurinen, Hannes
Video segmentation and shot boundary detection using self-organizing maps

Nikkilä, Raimo
Farm management information system architecture for precision agriculture

Pietiläinen, Anna-Kaisa
Measuring human mobility

Remes, Ulpu
Speaker-based segmentation and adaptation in automatic speech recognition

Schleimer, Jan-Hendrik
Phase synchronisation in superimposed electrophysiological data

Seppä, Jeremias
Control of an interferometrically traceable metrology atomic force microscope for MIKES

Talonen, Jaakko
Fault detection by adaptive process modeling for nuclear power plant

Tergujeff, Renne
Detecting sea-ice ridges from airborne optical colour images using shadow information

Toivola, Janne
Modular specification of dynamic Bayesian networks for time series analysis

Varjokallio, Matti
Subspace methods for Gaussian mixture models in automatic speech recognition

Ylinen, Tuomo
Closed-loop system for adaptative proportional pressure support