TUCS

Finnish Mathematical Days 2016

In the beginning of January, Department of Mathematics and Statistics of University of Turku hosted Finnish Mathematical Days, an event organized every second year by the Finnish Mathematical Society as an exhibition of research and education of Finnish mathematics. Turku Centre for Computer Science will publish the proceedings of the event within its TUCS Publication Series. A report on Finnish Mathematical Days 2016 shall appear in the next newsletter.

Upcoming short courses

Stochastic biomodelling (2 ECTS)

Dr. Andrzej Mizera, University of Luxembourg
8.-19.2.2016

Stochasticity in biologicall processes
Chemical master equation (CME) for various systems of biochemical reactions
Gillespie's direct method algorithm and its implementation in Matlab

Heterogeneous system architectures (2 ECTS)

Dr. Antonio Rosario Miele, Politecnico di Milano, Italy
8.-12.2.2016

Concept of heterogeneous system architectures (HSA)
Hardware and architectural aspects
Overview of organization of modern CPUs and GPUs
Memory infrastructure, cache coherency, virtual memory issues
OpenCL programming paradigm
Industrial and academic solutions for runtime resource management

Knowledge management - Information Security (2-6 ECTS)

Prof. Tero Päivärinta, Luleå University of Technology, Sweden
14.-18.3.2016

Concept of knowledge management
Understanding and modelling organizational knowledge assets
Information security risk assessment process and organizational knowledge assets
Knowledge management of organizational information security

Adaptive data forecasting based on artificial intellegence (2 ECTS)

Dr. Iulian Nastac, Polytechnic University of Bucharest, Romania
period IV

Introduction to Artificial Intelligence Theory
Encoding the knowledge, rule-based reasoning, case-based reasoning
Data mining models
Artificial Neural Network models for data forecasting
Principal Component Analysis
Analysis of data forecasting applications in industry, economy, bio-engineering,
environmental pollution preventing, and meteorology

Design science research in information systems (2 ECTS)

Prof. Alan Hevner, University of South Florida, USA
first week of May 2016

Design Science Research (DSR) fundamentals
DSR Framework and Guidelines
DSR cycles, artifacts, publication schema, exemplars
Knowledge Contribution Framework
Performing DSR
Extending the range of DSR
Future directions of DSR

Seminar "Thinking and computing: machines and humans" (5 ECTS)

Tuesdays @10:15-12:00
@ Room 150, Publicum, 1st floor

MATTI Doctoral Programme Application Round 25.1.-12.2.2016

Faculty of Mathematics and Natural Sciences of University of Turku launches a call for aplications
to pursue a doctoral degree. More information can be found at
UTU.fi - Research - UTUGS - Doctoral Programmes - MATTI - How to Apply

Scholarships for students studying at Åbo Akademi (deadline 12.2.2016)

Scholarships are intended for enrolled regular students studying for a degree. More information
can be found at:
ABO.fi - Studier - Blanketter - Blanketter för stipendier och understöd

CV-clinic

03.02., 09.02., 17.02., 25.02.2016 @ 13:00 - 15:00
@ UTU Career Services (Rekry), Henrikinkatu 7
Bring your application and CV for the review of career advisers. Registration is not required.