

# IKTDK 2007 aastakonverents

## 11. mai, reede

- 11.00 Saabumiskohv  
**11.30 Kutsutud ettekanne. Sten Tamkivi, Skype'i tegevjuht**  
12.30 Lõuna  
**14.00 Paralleelsessioonid (2 x 3 ettekannet; P1a, P1b)**  
15.00 Kohvipaus  
**15.30 Kutsutud ettekanne: Some example applications of GRID technology. Andi Hektor, National Institute of Chemical Physics and Biophysics (NICPB / KBFI)**  
16.30 Kunstimuseumi külastus  
**18.00 Paralleelsessioonid (2 x 3 ettekannet; P2a, P2b)**  
19:00 Õhtusöök  
20:30 Saun

## 12. mai, laupäev

- 8.00 Hommikusöök  
**09:00 Kutsutud ettekanne: Rialto - A kernel language for multiple models of computation. Prof. Johan Lilius, Turku Centre for Computer Science (TUCS)**  
**10:00 Paralleelsessioonid (2 x 2 ettekannet; P3a, P3b)**  
10:40 Kohvipaus  
**11.10 Paralleelsessioonid (2 x 4 ettekannet; P4a, P4b)**  
12.30 Lõuna  
**14:00 Kutsutud ettekanne: Restructuring graduate education in the changing global ecosystem. Prof. Hannu Tenhunen, Turku Centre for Computer Science (TUCS)**  
15:00 Kohvipaus  
**15.30 Paralleelsessioonid (2 x 3 ettekannet; P5a, P5b)**  
16.30 Kohvipaus  
**17.00 Paralleelsessioonid (2 x 3 ettekannet; P6a, P6b)**  
18.00 Kuumad võileivad ja ärasõit



## Paralleelsessioonid

### Session P1a

**Reede, 11. mai**  
**14:00 - 15:00**

#### Autorid

Innar Liiv

Maksim Jenihhin

Vesal Vojdani

#### Pealkiri

Matrix reordering with monotonic systems:  
background, formulation, motivation and  
extensions

PSL Assertions based Verification with HLDD  
Tools

Goblint: Path-Sensitive Data Race Analysis

### Session P1b

**Reede, 11. mai**  
**14:00 - 15:00**

#### Autorid

Meelis Kull

Taivo Lints

Vineeth Govind, Jaan  
Raik, Raimund Ubar

#### Pealkiri

Towards decoding DNA substring distribution

Adaptivity

Test Configurations for Diagnosing Faulty Links  
in NoC Switches

**Sessioon P2a****Reede, 11. mai  
18:00-19:00****Autorid**

Eduard Petlenkov

Juhan Ernits, Margus  
Veanes, Colin CampbellSergei Devadze,  
Raimund Ubar**Pealkiri**Neural Networks Based Simplified ANARX  
Structure for Control on Nonlinear MIMO  
SystemsState Isomorphism in Model Programs with  
Abstract Data StructuresParallel Fault Analysis on Structurally  
Synthesized BDDs**Sessioon P2b****Reede, 11. mai  
18:00-19:00****Autorid**

Andrei Krivoshei

Sven Laur

Uljana Reinsalu

**Pealkiri**Separation of Independent Components with  
Partially Overlapped Spectra Using  
Signal-Shape Locked Loop (SSLL) Concept

Security Associations in Ad Hoc Networks.

How to Securely Pair Electronic Devices?

Code coverage analysis on High Level Decision  
Diagrams**Sessioon P3a****Laupäev, 12. mai  
10:00 - 10:40****Autorid**Jevgeni Kabanov, Varmo  
Vene

Gunnar Piho

**Pealkiri**

Recursion Schemes for Dynamic Programming

Archetypes and Archetype Patterns Based  
Engineering Techniques of Domains,  
Requirements and Software: The Clinical LIMS  
Software Factory**Sessioon P3b****Laupäev, 12. mai  
10:00 - 10:40****Autorid**

Jüri Harju

Mihkel Tagel, Gert  
Jervan**Pealkiri**

GRID benchmarking for Software installation

Deterministic Traffic Generator for Network-on-  
Chip Simulator

**Session P4a****Autorid****Pealkiri****Laupäev, 12. mai  
11:10 – 12:30**

Janno Äniline

Evaluation of the Latency Components in  
MPEG-4 DVB-T System

Kristiina Kindel

Overview of Web Service Discovery and  
Composition ToolsPavel Grigorenko,  
Andres OjamaaImplementing Large-Scale Simulation Platform  
in CoCoViLa

Tõnu Näks

Software infrastructure models for automatic  
code generation**Session P4b****Autorid****Pealkiri****Laupäev, 12. mai  
11:10 – 12:30**

Aivo Anier

Trainable real-time motion recognition

Aivo Jürgenson

Multiparameter Attacktrees with Estimated  
Parameter Values

Ando Saabas

Type Systems for Optimizing Stack-based Code

Ivo Mürsepp

Software Defined Radar

**Session P5a****Autorid****Pealkiri****Laupäev, 12. mai  
15:30 – 16:30**Andres Kull, Kullo  
Raiend, Jüri VainExecutable Black-Box Tester Model Synthesis  
from a Non-Deterministic EFMS of the System

Einar Polis

Enlivenment of Information Systems

Jüri Reimand, Jaak Vilo

Functional profiling of gene lists

**Session P5b****Autorid****Pealkiri****Laupäev, 12. mai  
15:30 – 16:30**

Jürgo Preden

Computing in context

Pavlos Pavlidis, Jaanus  
Uri, Igor Kuzmitshov,  
Hedi Peterson, Jaak ViloIncremental use of homologies to infer  
cis-regulatory motifs in gene clusters

Tarmo Robal

Applying User Profile Ontology for Mining Web  
Site Adaptation Recommendations

**Session P6a****Autorid****Pealkiri****Laupäev, 12. mai  
17:00 – 18:00**

Dmitri Lepp

Student Mistakes in Solving Simplification Problems on Paper and in T-algebra

Helena Kruus, Gert Jervan, Elmet Orasson, Raimund Ubar

Optimization of Memory-Constrained Hybrid BIST for Testing Core-Based Systems

**Session P6b****Autorid****Pealkiri****Laupäev, 12. mai  
17:00 – 18:00**

Mart Roost

A Model of Information Systems Development for Networked Organizations

Paul Annus, Eero Haldre, Alar Kuusik, Raul Land, Mart Min, Toivo Paavle, Toomas Parve

Device and Method for Monitoring Bioimpedance of Tissue Transplants

Marina Issakova

Diagnosing First Year Students' Knowledge of Solving Simple Linear Equations with T-algebra

**Väljaspool sessioone****Autorid****Pealkiri**

Andrei Birjukov

Design of a Digitally Controlled Resistance and Capacitance Device for Testing of the Bio-Impedance Measurement System

Andres Mellik

Comparative Mixed-signal Test Method and Toolset

Anton Arhipov, Peeter Ellervee

Using Soft-Core Processors and FPGA Development Boards for Hardware Emulation

Jaak Simm

Formalization framework for simple vision learning problem

Natalja Kuznetsova

Comparison of Schottky parameters for Diffusion-Welded and Sputter Contacts to Silicon Carbide

Taavi Viilukas, Jaan Raik

Using Test Pattern Generation Tool Decider in Hardware Verification