

# IKTDK 2008 aastakonverents

## 25. aprill

- 13:00 Saabumine ja lõuna  
**14:30 Kutsutud ettekanne - Tapio Salakoski, University of Turku**  
**15:30 Paralleelsessioonid P1a ja P1b (2 x 3 ettekannet, á 20 min)**  
16:30 Kohvipaus  
**17:00 Paralleelsessioonid P2a ja P2b (2 x 3 ettekannet, á 20 min)**  
18:00 Sportlikud mängud  
19:30 Õhtusöök  
20:30 Saun

## 26. aprill

- 08:00 Hommikusöök  
**09:00 Kutsutud ettekanne - Małgorzata Wyrwas, Białystok Technical University**  
**10:00 Paralleelsessioonid P3a ja P3b (2 x 3 ettekannet, á 20 min)**  
11:00 Kohvipaus  
**11:30 Paralleelsessioonid P4a ja P4b (2 x 4 ettekannet, á 20 min)**  
13:00 Lõuna  
**14:30 Kutsutud ettekanne - Taavet Hinrikus, Skype**  
15:30 Kohvipaus  
**16:00 Paralleelsessioonid P5a ja P5b (2 x 3 ettekannet, á 20 min)**  
17:00 Kohv ja ärasõit

## Paralleelsessioonid

### Session P1a

**Reede, 25. aprill**  
**15:30-16:30**

#### Autorid

Jürgo Preden,

Taavi Viilukas, Jaan Raik

Siim Karus

#### Pealkiri

Situation awareness of computing agents

Using constraint solver in Test Pattern Generation Tool

Evaluation of Guidelines for Creating Maintainable XML Transformations

### Session P1b

**Reede, 25. aprill**  
**15:30-16:30**

#### Autorid

Ülle Kotta, Maris Tõnso

Vineeth Govind, Jaan Raik, Raimund Ubar

Andrei Krivoshei, Vello Kukk, Andrei Birjukov

#### Pealkiri

Realization of nonlinear input-output equations: using polynomial approach: preliminary ideas

DFT for Application of External Test Patterns in a Network-on-a-Chip

Bio-Impedance Signal Decomposer (BISD) as an Adaptive Signal Model Based Separator of Cardiac and Respiratory Components

### Session P2a

**Reede, 25. aprill**  
**17:00-18:00**

#### Autorid

Innar Liiv

Riina Maigre

Meelis Kull, Jaak Vilo

#### Pealkiri

Evaluation of matrix seriation algorithms

Handling Large Web Services Models in a Federated Governmental Information System

Discovery of Differential Alternative Splicing Events

### Session P2b

**Reede, 25. aprill**  
**17:00-18:00**

#### Autorid

Maksim Jenihhin

Martin Luts

Paul Annus, Mart Min, Jaan Ojarand

#### Pealkiri

On reusability of verification assertions for testing

The Estonian Semantic Interoperability Initiative in Public Sector

Optimized waveforms for synchronous signal processing

**Sessioon P3a****Autorid****Pealkiri****Laupäev, 26. aprill  
10:00-11:00**

Uljana Reinsalu, Sergei Devadze, Artur Jutman, Anton Chertov, Peeter Ellervee

Hardware/Software co-design in practice: MEMOCODE'08 contest experience

Aivo Jürgenson, Ahto Buldas

Does Secure Time-Stamping Imply Collision-Free Hash Functions?

Tarmo Robal, Ahto Kalja

Evaluating Web Systems on the Basis of Users' Behavior Modeling

**Sessioon P3b****Autorid****Pealkiri****Laupäev, 26. aprill  
10:00-11:00**

Margarita Spitsšakova

Genetic Algorithm Approach to the Problem of Finite State Machine Construction

Gunnar Piho

A Quantity: A simple example of software development with domain analysis

Mihkel Tagel, Gert Jervan

System Level Design of Dependable Real-time Systems-on-Chip

**Sessioon P4a****Autorid****Pealkiri****Laupäev, 26. aprill  
11:30-12:50**

Sergei Kostin

Embedded Diagnosis in Digital Systems

Helena Kruus, Gert Jervan, Raimund Ubar

Using Tabu Search for Optimization of Memory-Constrained Hybrid BIST

Dan Bogdanov, Sven Laur, Jan Willemson

Sharemind: a framework for fast privacy-preserving computations

Janari Põld, Ahto Kalja, Tarmo Robal

A Five Step Refactoring Process: Improving Software Design Properly

**Sessioon P4b****Autorid****Pealkiri****Laupäev, 26. aprill  
11:30-12:50**

Pavel Grigorenko

Higher-order attribute semantics of flat languages

Sergei Devadze, Aleksandr Sudnitsõn

Synthesis of Testable FSM through Decomposition

Artur Jutman, Anton Tšertov, Raimund Ubar

Calculation of LFSR Seed and Polynomial Pair for BIST Applications

Janek Press

Parallel Processing on the GPU

**Session P5a****Laupäev, 26. aprill**  
**16:00-17:00****Autorid**Ants Torim  
  
Andrei Birjukov  
  
Roland Pihlakas**Pealkiri**MONOCLE method for knowledge discovery  
  
Applications of Multi-resolution Analysis for Bioimpedance Signal Processing  
  
Uurimus tehisintellekti ja robotite ohutuse printsiipidest: ülevaateartikkel**Session P5b****Laupäev, 26. aprill**  
**16:00-17:00****Autorid**Andres Ojamaa, Enn Tõugu, Jüri Kivimaa  
  
Andres Toom, Tõnu Näks  
  
Liina Kamm, Jaak Vilo**Pealkiri**Modeling and Optimizing Graded Security Measures  
  
Model transformations in the Gene-Auto Automatic Code Generator  
  
COBRED—Finding Biomarkers for Predicting the Recurrence of Colorectal and Breast Cancer**Väljaspool sessioone****Autorid**Taivo Lints  
  
André Karpištšenko  
  
Andres Mellik  
  
Jevgeni Kabanov  
  
Anton Arhipov, Peeter Ellervee  
  
Margus Veanes, Ando Saabas  
  
Erkki Joasoon  
  
Anna Krivenko, Raimund Ubar, Jaan Raik, Margus Kruus**Pealkiri**What is Adaptation?  
  
Code Generation and Simulation of Situation Aware Networked Systems  
  
An XML-based Test Development and Deployment Framework for Mixed-Signal and Digital Devices  
  
Typesafe Domain-Specific Languages in Java: A Case Study  
  
Applying FPGA Partial Reconfiguration for Digital System Simulation  
  
Using Satisfiability Modulo Theories to Analyze Abstract State Machines  
  
Inimese ja infosüsteemi vahelise kommunikatsiooni parendamine kahe- ja kolmemõõtmeliste visuaalsete ja haptiliste liidestega abil.  
  
New Technique for Hierarchical Identification of Untestable Faults in Sequential Circuits