

CCSSE'02

PRONOVA hotell & konferens, Norrköping

Onsdag 23 oktober

Registrering och konferensstart

Konferenslokal: Resursen

09.00 Registrering

09.15 Konferensen öppnas

09.20-10.00 Session 1: **Perspectives on software tools**

Ordförande: Lars Nielsen

Konferenslokal: Resursen

09.20 A procedure for physical modeling and parameter estimation using software tools – A robot arm application,
Måns Östring, Fredrik Tjärnström, Mikael Norrlöf

09.40 Multiprocessor Scheduling of Simulation Code From Modelica Models, *Peter Aronsson, Peter Fritzson*

10.00-10.30 **Kaffe**

10.30-11.50 **Parallella sessioner**

Session 2: Perspectives on optimization

Ordförande: Lars Eriksson

Konferenslokal: Resursen

10.30 Resolving Actuator Redundancy-Control
Allocation vs Linear Quadratic Regulation,
Ola Härkegård

10.50 Exploiting Symmetries in DSP Programs for
Optimal Code Generation, *Andrzej Bednarski,
Christoph Kessler*

11.10 Models, methods and performance when
estimating the compression ratio based on the
cylinder pressure, *Marcus Klein, Lars Eriksson*

11.30 A Digitally Programmable Analog Interface
for Communications, *Mattias Dupps, Christer
Svensson*

Session 3: Security and modeling

Ordförande: Simin Nadjm-Tehrani

Konferenslokal: Akademikern

10.30 Using the Java Sandbox for Resource Control,
Almut Herzog, Nahid Shahmehri

10.50 Signature Embedding Based on Fractal Block
Coding, *K-G Stenborg*

11.10 Identification of a nonlinear vane process using
ANOVA for regressor selection, *Ingela Lind*

11.30 A Non-Asymptotic Approach to Local Modeling,
Jacob Roll, Alexander Nazin, Lennart Ljung

12.00-13.10 **Lunch**

13.10-14.10 Session 4: **Communication**

Ordförande: Mariam Kamkar

Konferenslokal: Resursen

13.10 Agent-based Software Delivery Using P2P, *Eduard Turcan, Nahid Shahmehri, Ross Lee Graham*

13.30 Issues on Performance Measurements of TCP, *Frida Gunnarsson, Fredrik, Gunnarsson, Fredrik Gustafsson*

13.50 Adaptive Load Control Algorithms for 3rd Generation Mobile Networks, *Simin Nadjm-Tehrani, Kayvan
Najarian, Calin Curescu, Tomas Lingvall, Theresa A. Dahlberg*

14.10 A Comparative Study of Protocol Processors, *Ulf Nordqvist, Dake Liu*

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14.30-15.00 **Incheckning**

15.00-15.50 **Poster session**

Ordförande: Torkel Glad

Konferenslokal: Modemet (kaffe serveras i samma lokal)

Run-time Fault Injection in Java, *Carl Cederberg*

Uplink Load Estimation in WCDMA, *Erik Geijer Lundin, Fredrik Gunnarsson, Fredrik Gustafsson*

Measurement Verification of Estimation Method for Time Errors in a Time-Interleaved A/D Converter System,
Jonas Elbornsson, Kalle Folkesson, Jan-Erik Eklund

Various topics on angle-only tracking using particle filters, *Rickard Karlsson*

Minimax MPC for LFT models, *Johan Löfberg*

Linear Models of Nonlinear FIR Systems with Gaussian Inputs, *Martin Enqvist*

Three Way Catalyst Control using PI-style Controller with HEGO Sensor Feedback, *Per Andersson, Lars Eriksson*

Dynamic Evaluation of Minimal Structurally Singular Sets, *Jonas Biteus, Mattias Nyberg*

16.00-17.00 **Gästföreläsare**

Ordförande: Lars Nielsen

Konferenslokal: Resursen

Medicinsk bildbehandling och visualisering

Dr Torbjörn Kronander

PhD, MBA

VD för SECTRA-Imtec AB

17.00-18.45 **Lättare fysisk lagaktivitet**

Plats: samling utanför konferenslokal Resursen

Övrigt: Tänk på att du behöver bekväma kläder och skor

19.45-20.00 **Ceremoni - Diplomutdelning**

Konferenslokal: Resursen

20.00 **Middag**

Plats: Restaurang PRONOVA

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Torsdag 24 oktober

09.00-10.20 Session 5: **Safety and diagnostics**

Ordförande: Nahid Shahmehri

Konferenslokal: Resursen

09.00 **Fault Diagnosis utilizing Structural Analysis**, *Mattias Krysander, Mattias Nyberg*

09.20 **A Peer-to-Peer Approach to Vehicular Communication for the Support of Traffic Safety Applications**,
Ioan Chisalita, Nahid Shahmehri

09.40 **An Indirect Approach to Tire Pressure Monitoring Using Sensor Fusion**, *Niclas Persson*

10.00 **Fault Isolation using Process Algebra Models**, *Dan Lawesson, Ulf Nilsson, Inger Klein*

10.20-10.50 **Kaffe**

10.50-11.50 **Öppen diskussion om krav och kursutbud i ECSELS andra etapp**

Inledare: Lars Nielsen

Konferenslokal: Resursen

12.00-13.00 **Lunch**
