

Scandinavian ARTIST2 Seminar on Embedded Systems Design (The SNART Seminar 2006)

Date: August 21, 2006

Venue: Salongen, KTH, Stockholm

Address: Osquars backe 31

(http://www.kth.se/eng/about/maps_addresses/valhallavagen.html?B3)

Time: 9.30-17.30, immediately followed by the SNART annual meeting (the annual meeting

is open to all SNART members – become a member for free at www.snart.org).

Theme: Pro-active approaches to strengthen Scandinavia's position in Embedded Systems – with an emphasis on topics covered by the ARTIST2 EU/IST Network of Excellence on Embedded Systems Design.

Can Scandinavia strengthen its industrial sectors using embedded systems technology and embedded systems research?

Scandinavia today has a strong position in embedded systems research. In fact, Sweden is one of the major players in the EU/FP6 embedded systems projects. We also have several strong industrial sectors where embedded systems are at the core of the products. However, research in the area is highly fragmented, and cooperation among researchers working in related (and sometimes overlapping) areas is weak. In addition, cooperation with industry can be improved - in particular with respect to

- adaptation and adoption of research results
- industrial provisioning of (complex) problems and examples that can stimulate new research directions

The underlying hypothesis of the seminar is that synergistic cooperation - across research domains and across academia and industry - can improve the situation. Alternative opinions are allowed and may be raised at the seminar.

The following main questions will be addressed at the seminar:

Q1: How to promote and achieve cooperation among Scandinavian researchers in the area, addressing connected areas and overlap?

Q2: How to promote and achieve successful industry/academia cooperation?

Final program:

09.00-09.30: Registration and coffee

09.30-09.50: Introduction to SNART and ARTIST2 – Anton Cervin and Martin Törngren

Academic research in embedded systems design - ARTIST2

09.50-10.10: ARTIST2 Cluster on Control for Embedded Systems - Karl-Erik Årzén, LU

10.10-10.30: ARTIST2 Cluster on Execution Platforms - Jan Madsen, DTU

10.30-10.50: ARTIST2 Cluster on Real-Time Components - Bengt Jonsson, UU

10.50-11.00: Leg stretch

11.00-11.20: ARTIST2 Cluster on Testing and Verification - Kim Larsen, AAU

11.20-11.40: ARTIST2 Cluster on Compilers and Timing Analysis - Björn Lisper, MDH

Bengt Asker Award ceremony and lunch break

11.40-12.00: The Bengt Asker Award for the Best Real-Time Master Thesis 2006

12.00-13.00: Lunch

Panel 1 – How to promote and achieve improved cooperation amongst Scandinavian embedded systems researchers? (Moderator: Martin Törngren)

13.00-14.00: Panel participants: Previous speakers

Position statements: 5 minutes/panelist + open floor for audience

14.00-14.10: Leg stretch

Industry/Academia cooperation – experiences and approaches

14.10-14.30: Henrik Lönn, VTEC

14.30-14.50: Magnus Larsson, ABB

14.50-15.20: Coffee break

15.20-15.40: Ulf Olsson, EAB

15.40-16.00: Christer Norström, MDH

Panel 2 - How to promote and achieve successful industry/academia cooperation? (Moderator: Bengt Jonsson)

16.00-17.15: Panel participants: Previous speakers + participants from funding agencies

Position statements: 5 minutes/panelist + open floor for audience

17.15-17.30 (approx.): Summary and conclusion

17.30-18.15: SNART annual meeting

Instructions for ARTIST2 cluster presentations

- 20 minutes
- Three parts: Problem area of the cluster (5 mins), research challenges (5 mins) and current activities (concrete examples, 10 mins)

Instructions for Panel 1 participants

- 5 minute introductory statements
- Response to question Q1. Potential of cooperation, Connections between the clusters? How to achieve cooperation?

Instructions for Industry/Academia session

- 20 minutes
- Experiences from industry/academia cooperation
- Benefits? Challenges? How?

Instructions for Panel 2 participants

- 5 minute introductory statements
- Response to question Q2. How to achieve cooperation?