

SAVE-IT meeting 25-26 October 2006

Andreas Ermedahl – Coordinator SAVE IT
Gunnar Widforss – Administrator SAVE IT
Hans Hansson – Director SAVE IT

Mälardalen Real-Time Research Center (MRTC)
Västerås, Sweden

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25-26 October meeting

- ★ Overall theme: Successful cooperation between academia and industry
 - ▶ 25 Oct: Targeting the industrial PhD student
 - ▶ 26 Oct: Targeting the industrial mentor
- ★ Both days also include examples and experiences from successful cooperations
 - ▶ Both ongoing and ended projects

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Scheme 26 October

- ★ 9:00 – 10:00 Presentation av nya deltagare och SAVE-IT. Reflektion dag 1.
Andreas Ermedahl, Gunnar Widforss, Hans Hansson, SAVE-IT
- ★ 10:00 – 12:15 Industrimentorns roll.
Lena Sobel, Sobel Utveckling AB.
- ★ 12:15 – 13:10 Lunch
- ★ 13:10 – 14:45 Industrimentorns roll, forts.
Diskussioner och gruppövningar.
Lena Sobel, Sobel Utveckling AB.
- ★ 14:45 – 15:00 Fikapaus
- ★ 15:00 – 16:00 Forskningsinstitutens roll för kunskapsöverföring och nyttiggörande av forskningsresultat.
Jesper Vasell, SICS
- ★ 16:00 – 16:45 Utcheckning - summering och diskussioner om uppföljning.
Andreas Ermedahl, Gunnar Widforss, Hans Hansson, SAVE-IT

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Presentation of participants

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SAVE-IT at a Glance

- ★ A school for industrial PhD students
 - ▶ Targeting safety-critical embedded real-time systems
- ★ "Industrial PhD student" means that
 - ▶ Student is employed by a company
 - ▶ Student enrolled for PhD studies at a university
- ★ School financed by:
 - ▶ KK-Foundation (KKS)
 - ▶ Participating companies
- ★ School hosted by:
 - ▶ Mälardalen Real-Time Research Center (MRTC)

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SAVE-IT Organization

- ★ SAVE-IT students
 - ▶ From a variety of companies and universities
 - (some pictures are missing)



SAVE-IT Organization

* SAVE IT staff

- Hans Hansson – Director
- Andreas Ermedahl – Coordinator
- Gunnar Widforss – Administrator
- Paul Pettersson – Director of Study
- Maria Ehn – Assistant Administrator



* SAVE IT board

- Appointed by Mälardalen University
- Selection of academic and industrial representatives
- Includes a student representative

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SAVE-IT Status

* Autumn 2006:

- All student positions filled

* Totally 21 students accepted to SAVE IT

- 8 PhD students accepted 2005
- 11 PhD students accepted Spring 2006
- 2 PhD students accepted Autumn 2006

* 2 students associated to SAVE IT

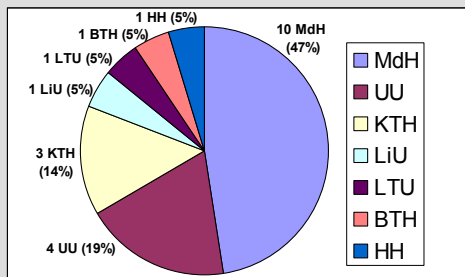
- Participates in network activities but gets no direct funding

* Most students in school during next 2 years

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Participating Universities



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Participating Companies & Research Institutes

- ABB Corporate Research (2 students)
- ABB Robotics
- Arcticus Systems
- CC Systems
- Kalix Electropolis
- Pilotfish Networks AB
- SAAB Avionics
- Skogforsk (Kumatsu)
- SICS (3 students) (Bombardier, ABB CR)
- Level 21
- Bombardier
- Ericsson (5 students)
- Mecel AB
- SAAB Aerosystems
- Scania
- Volvo CE

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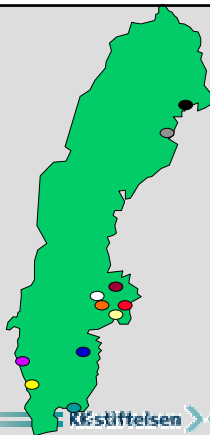
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Participating Universities

- Luleå University of Technology
- Uppsala University
- Mälardalen University (Västerås)
- Royal Institute of Technology (KTH; Stockholm)
- Linköping University
- Halmstad University
- Blekinge Institute of Technology (Ronneby)



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The SAVE-IT Study Model

* SAVE-IT students get:

- Financial support
- Research education

More than traditional research funding!!!

* The research education consists of four complementary parts:

1. Research work
2. Network activities
3. Courses
4. Mobility support

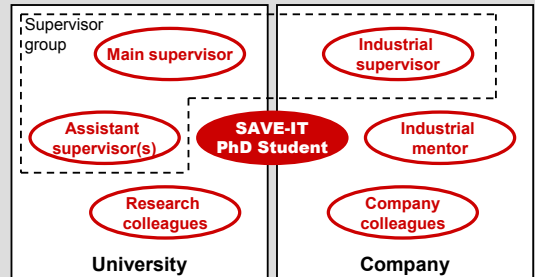
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The SAVE-IT Student Model

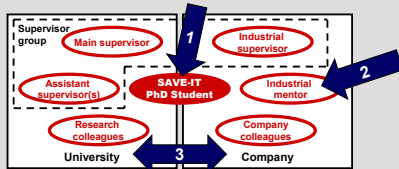
- ★ Each student should have a supervisor group
 - Meets the student on a regular basis
- ★ A SAVE IT supervisor group consists of:
 - One academic main supervisor
 - One (or more) academic assistant supervisor(s)
 - One industrial supervisor
- ★ Research performed in a research project
 - In close cooperation with the company
- ★ Each student should have an industrial mentor
 - To support in practical issues at the company
 - To motivate research project in the company

The SAVE-IT Student Model



Meeting Activities

1. The role of the industrial PhD student
2. The role of the industrial mentor
3. Different form of successful industrial and academic cooperations



Yesterday Activities

- ★ The situation of the industrial PhD student *Lillemor Wallgren, LiU.*
 - ★ Development of demonstrators in collaboration with industry, *Mats Jackson, MdH.*
 - ★ Experiences from computer science lab and competence centre. *Bjarne Däcker, prev. Ericsson.*
 - ★ Individual assignment, the student should define:
 1. Her/his current network
 2. The parts interested in her/his research
 3. Goals and expectations – program definition
 4. Activity plan
- } 3 and 4 to be reported to SAVE-IT

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The End!

For more information, see:
www.mrtc.mdh.se/projects/save-it/