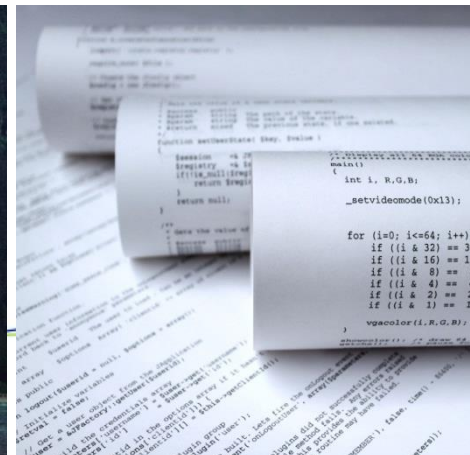
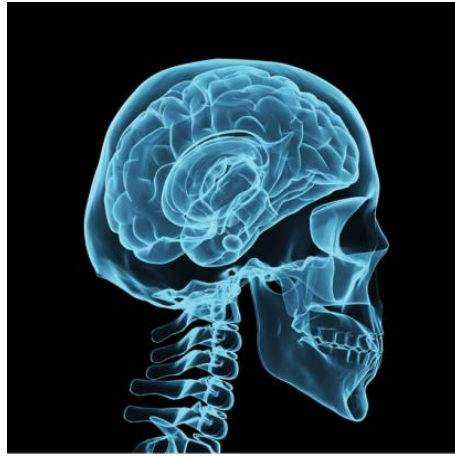


5th Scandinavian Conference on SYSTEM & SOFTWARE SAFETY

Stockholm, May 22-23, 2017



5th Scandinavian Conference on SYSTEM & SOFTWARE SAFETY

- Cooperation between Addalot, KTH and ICES
- Purpose: **Inspire & Network**
- Program Committee

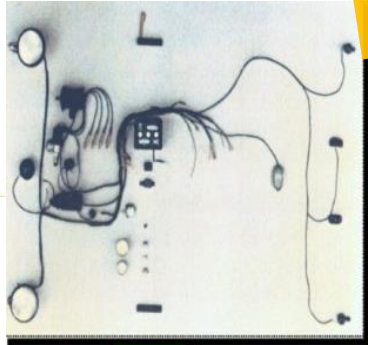


Electronics, software & CPS evolution

Lots of socio-technical challenges!

Lots of innovation opportunities!

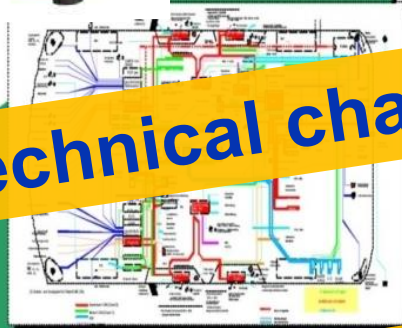
Car electrical system <1970s!



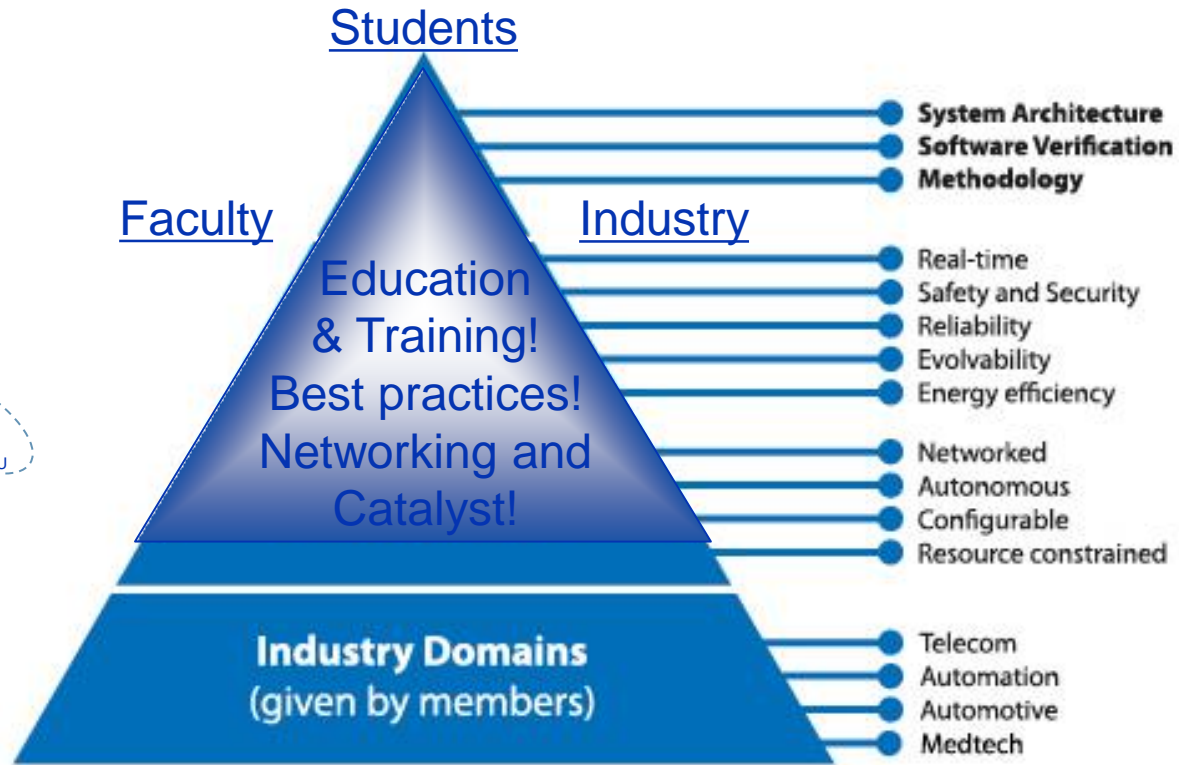
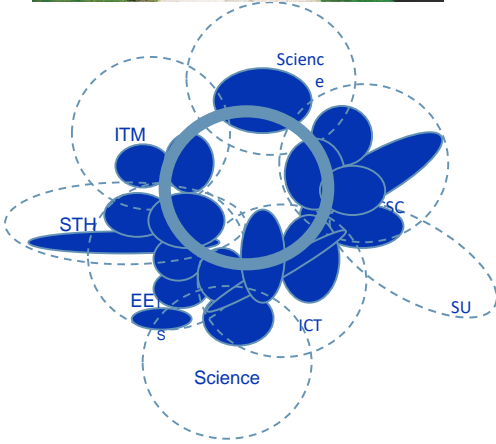
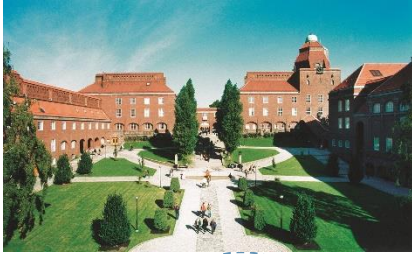
Car embedded system 1990



Car distributed system 2017



A flourishing eco-system for industry & academia, excelling in embedded and cyber-physical systems research, education and innovation



Addalot



- 25 years experience in process and quality improvement

- Business Idea:
*Efficient ways of working
give better Software & Systems*



- Addalot's service areas:

- Process Improvement
- Supplier Management
- Product Quality
- Functional Safety
- Open Source Software

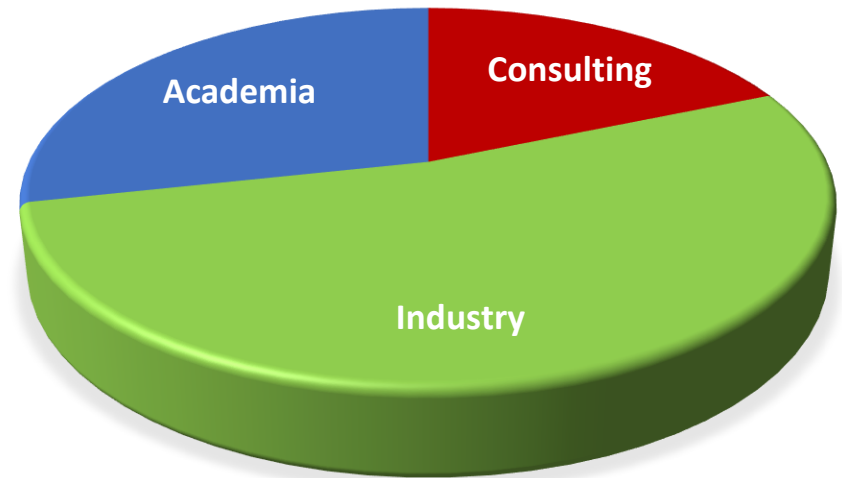
- Documenting Architecture
- Comparing 26262 and ASPICE
- Agile and regulated development
- *Reliability Standard*

- References

- ABB, Actia, AkerSolutions, AtlasCopco, Autoliv, BAE Systems, Baxter, BlueAir, BMW, BorgWarner, Bosch, DNV, EADS, Emric, Ericsson, Fingerprints, FMC, FMV, GM, IKEA, Ikano, Kockums, Kongsberg, Lawson, Littelfuse, Mecel, Nokia, Nucletron, Qlik, Palette, Point, Readsoft, Saab, Sony, SEB, Statoil, Stoneridge, Telia, Telenor, Terma, Thales, Tieto, Visma, Visteon, Volvo

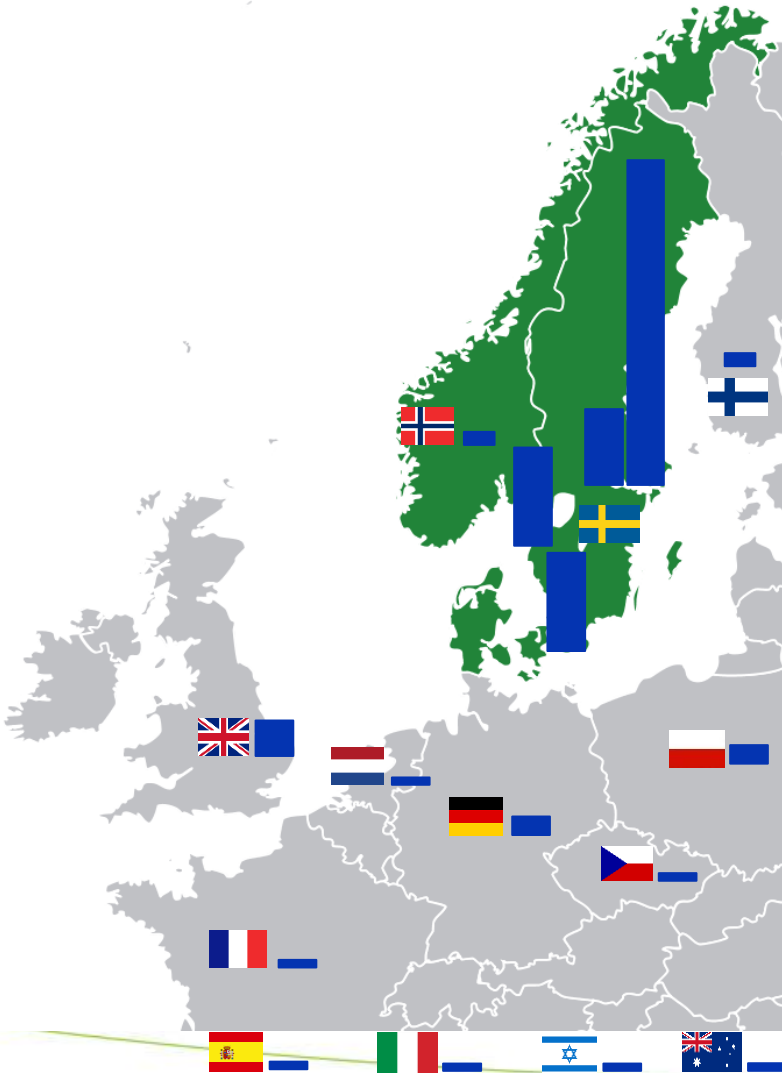
Who is here?

■ Participants: 106



■ Industry:

- Automotive 12
- Rail 10
- Automation 8
- Defense 7
- Tools 7
- Nuclear 2
- Maritime 1
- Medical 1



Program Day -1

0900-0910	Conference introduction, Nicolas Martin-Vivaldi, Addalot and Martin Törngren, KTH/ICES
0910-1010	Keynote: Engineering Safety and Security in the era of the Industrial Internet of Things, Dr Robert Oates, Rolls-Royce
1010-1030	Break
1030-1105	Requirements specification tool for safety critical systems based upon Linked Data, Prof. Mattias Nyberg, Scania
1105-1140	Agility and Resilience, Tor Stålhane, NTNU
1140-1240	Lunch
1240-1340	Keynote: Safety of digital health technologies, Prof. Farah Magrabi, Macquarie University, Australia
1340-1415	Documenting the architecture, Even-André Karlsson, Addalot
1415-1450	Lessons learned: How to write good safety plans, Henrik Thane, Safety Integrity AB
1450-1515	Break
1515-1550	Updated FMV handbook on Safety Critical Software, Björn Koberstein, FMV
1550-1625	Bridging Functional Safety Analysis and Software Architecture Assessment, Mirosław Staron, Chalmers / University of Gothenburg
1625-1700	(Challenges for ensuring functional safety for connected autonomous vehicles, Fredrik Warg, RISE) Replaced by Martin Törngren

Program Day - 2

0800-0830 Registration and Coffee

0830-1200 Morning Workshops

Workshop 1:

Techniques for safety development

Workshop 2:

Cooperative functions in safety-critical System-of-Systems scenario [END 10:30]

Workshop 3:

Where are the Safety Standards going?

1200-1300 Lunch

1300-1700 Afternoon Workshops

Workshop 4:

Safety critical software and agile development

Workshop 5: [START 11:00]

Safety and software architectures

Workshop 6:

Architecture and Safety for Autonomous Systems

Conference evaluation

- Please fill in before you leave!
- This years conference
- Requests for next year

SYSTEM AND SOFTWARE SAFETY 22-23 MAY 2017 STOCKHOLM


Conference Evaluation

Your opinion is important!
We would be very grateful if you have the opportunity to answer the following questions about the conference. The completed form can be submitted at the conference reception or to one of the organizers.

Name: (optional)

General

1. What was the reason you attended the conference?
2. How did you hear about the conference?
3. What challenges / interests, do you have when it comes to software safety??
4. Has the conference addressed these challenges / interests?
5. Would you visit the conference if it is given again next year?
6. How would you grade the following from 1 (poor) to 5 (excellent)
 - a) Premises 1 2 3 4 5
 - b) Lunches 1 2 3 4 5
 - c) Dinner 1 2 3 4 5
 - d) Exhibition 1 2 3 4 5
 - e) Overall impression 1 2 3 4 5



Practicalities



- EXITS
- Coffee breaks and lunch
- Dinner
- Workshops on Tuesday begins at 08.30
See participation list for room and address information

- Workshop moderators

- | | |
|---|----------------------------------|
| - WS1: Techniques for safety development | Nicolás Martín-Vivaldi |
| - WS2: Cooperative functions in safety-critical System-of-Systems scenarios | Hans Hansson |
| - WS3: Where are the Safety Standards going? | Even-André Karlsson |
| - WS4: Safety critical software and agile dev. | Nicolás M-Vivaldi / Tor Stålhane |
| - WS5: Safety and software architectures | Mirosław Sharon |
| - WS6: Architecture&Safety for Autonomous Systems | Martin Törngren |