#chalmersAl

CHAIR Overview

Software Center reporting workshop

2019-12-05

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www.chalmers.se/chair



BUDGET (2019-2028)

Chalmers Foundation: 317 MSEK

- 170 MSEK funding for AI Research projects, recruitment
- 50 MSEK e-commons Infrastructure support
- 100 MSEK collaboration with Fraunhofer Chalmers Centre

Chalmers: 50 MSEK

50 MSEK support for AI and data science research engineers

TOTAL: 370 MSEK

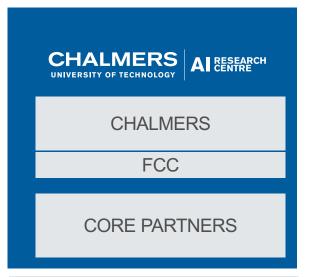
Core Partners: 200–300 MSEK

From 5-10 partners (in cash and in kind)

Related funding

• WASP/WASP-AI 150 -200 MSEK (estimation)

Chalmers Al Education
 50 MSEK (estimation)



Other funding

500+ MSEK

300+ MSEK

CHAIR GOALS

Develop unique AI expertise at Chalmers

Be the preferred AI partner for industry

Make Calmers an outstanding education

university in Al



CHAIR Consortium

CHAIR Core Partners



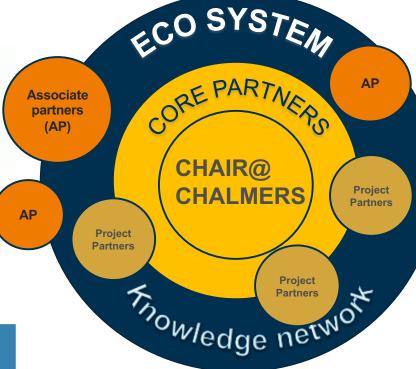
Volvo Group











CHAIR Associate Partners





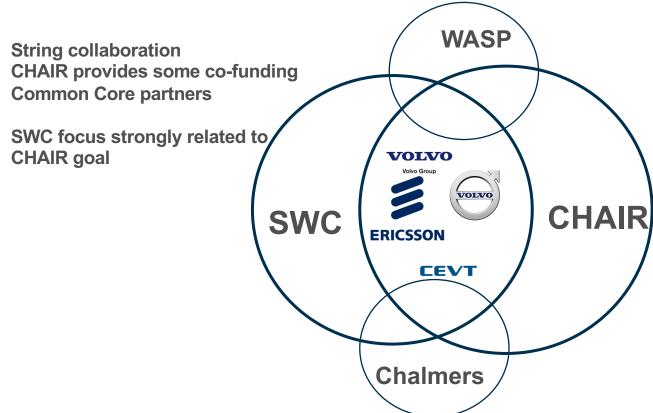


RESEARCH CENTRE FOR INDUSTRIAL MATHEMATICS

CEVT

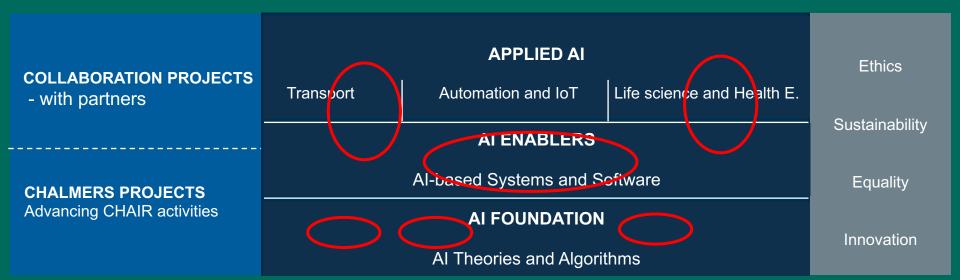


CHAIR and Software Center





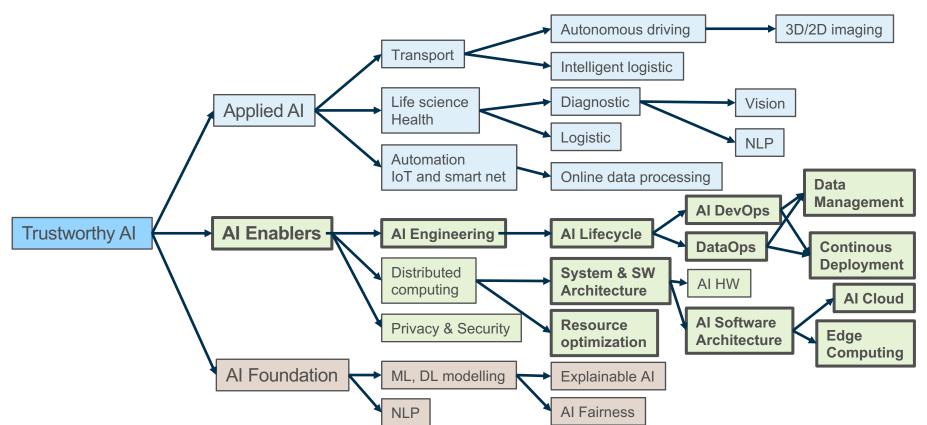
Planned activities - research directions





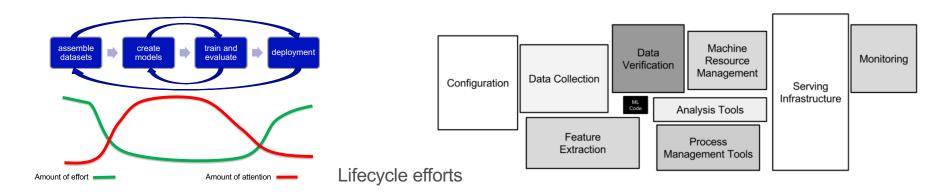


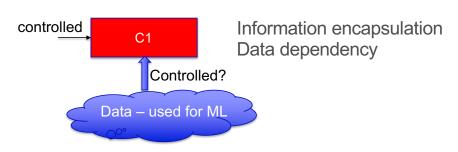
Research directions: Al for systems with specific requirements

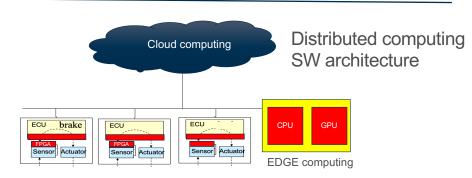




Example 1 – Al engineering - challenges









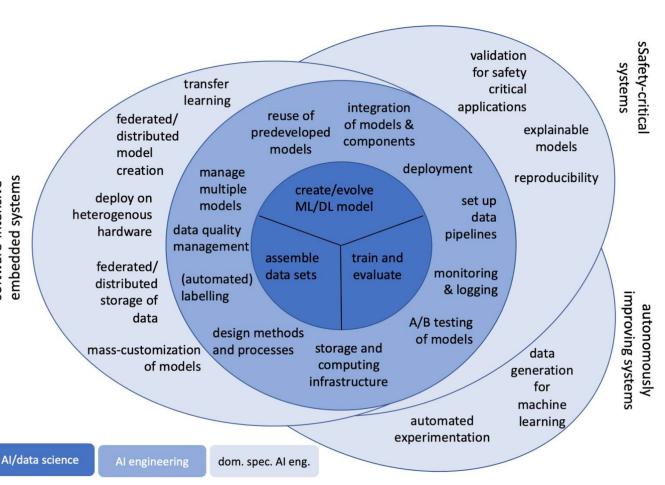
- Jan Bosch
- Ivica Crnkovic
- Helena H. Olsson
- 8 PhD students
- 1 Postdoc

Funding:

- Chair (2 PhD students)
- Vinnova (Postdocs+PhD)
 WASP (2 PhDs)
 Software Center (PhD)
 Malmö U (2 PhDs)
 ...

 Ericsson

- Ericsson
- Volvo AB
- Volvo Cars
- Siemens



conceptualization of AI engineering



CHALMERS UNIVERSITY OF TECHNOLOGY