



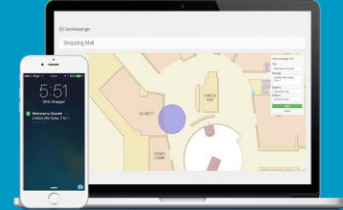
Linköping Center for Sensor Informatics and Control (LINK-SIC)

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A VINNOVA Competence Center

Welcome!
and
Update

Svante Gunnarsson
Center Director
Linköping University



Program – 15 Nov

07.30 Departure from Linköping

10.00 Coffee

10.15 Welcome

10.30 *LINK-SIC update*, Svante Gunnarsson

10.40 Company presentations from Atlas Copco and Scania

12.00 Poster teasers

12.15 Lunch and Poster Session

13.40 Ongoing PhD projects.

- *Identification of Nonlinear Marine Systems*, Fredrik Ljungberg

- *Optimal control of cranes subject to container height constraints*, Filipe Barbosa

14.20 *Dynamic Time Scan Forecasting for renewable energy prediction*, Marcelo Azevedo Costa, UFMG, Brazil

15.00 Coffee

15.20 *R&D @ABB: Industrial transformation's new imperative, digitalization and sustainability*, Shiva Sander-Tavallaey, ABB

15:50 TBD, Johan Aaro, Atlas Copco Industrial Technique

16.30 Transport to Södertälje

19.00 Dinner

Program – 16 Nov

8.30

- Discussions about collaborations after year six + Time for ISAB
- Discussion and feedback from ISAB
- LINK-SIC Board Meeting

12.00 Lunch

13.00 Guided tours in the production facilities and the Marcus Wallenberg exhibition hall

15.30 Coffee

16.30 Departure to Linköping

Vision

The vision of LINK-SIC is to be the leading research environment for the Swedish system building industry in sensor informatics and control.

LINK-SIC BOARD



INTERNATIONAL SCIENTIFIC ADVISORY BOARD

MANAGEMENT TEAM

DIRECTOR



COORDINATOR

Research Leaders & Area Coordinators

PhD Students

Senior researchers

Industrial PhD Students/Postdocs

Industrial Researchers

Since last workshop

- Gradually back to work on site.
- PhD thesis by Robin Holmbom.
- Journal and conference papers.
- Continued with PhD student seminars.
- Inspiration seminar with female alumni from industry, in collaboration with the organizations Emma, Yvette and Donna. (LINK-SIC together with ELLIIT.)
- New activity. Summer challenges:
 - Joint activity between LINK-SIC and ELLIIT
 - Two teams of students (five + four) were hired for two weeks' work.
 - The teams were given freedom to choose topic themselves, plan, and execute the work.
 - The work is presented via reports and posters.

Since last workshop (cont.)

- Newton Nordic got new owners, with new ambitions for the company, and Newton has chosen to leave the center.
- Senion was acquired by the US telecom company Verizon.
- Several Master's theses with center partners.
- The YuMi-robot from ABB is used in student projects.
- A delegation from ABB visited LiU last week via the strategic partnership agreement. LINK-SIC is an important part of the collaborations between LiU and ABB.
- Fredrik Ljungberg will join ABB Dec 6.
- Marcelo Azevedo Costa, UFMG is visiting LiU during one month.
- Visiting researcher from ITA, Brazil during 2023.
- 5-year evaluation, with known outcome.

More information can be found via ...

- <https://liu.se/en/research/link-sic>