

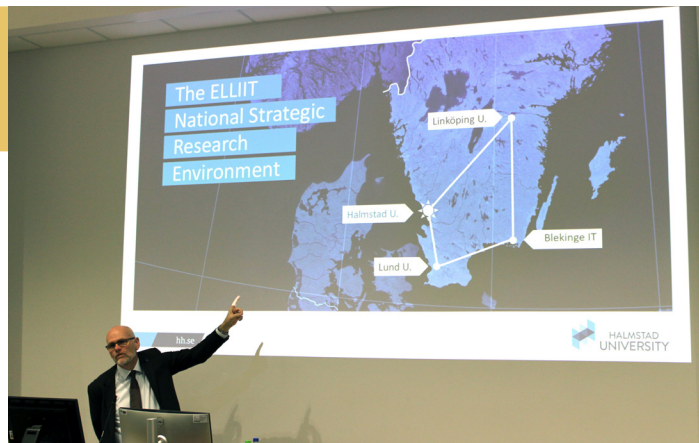
Robust AI for Science and Industry

ELLIIT Focus Period Fall 2026: Halmstad

The first focus period hosted by Halmstad University was on the topic of **Robust AI for Science and Industry**. The focus period took place September 7 to October 9, with the symposium on September 22-24.

The symposium gathered speakers, visiting scholars, and attendees with different perspectives on AI, resulting in fruitful discussions and an engaged audience.

- > [More on the symposium](#)
- > [Meet the visiting scholars](#)
- > [See the symposium program](#)



Thorsteinn Rögnvaldsson, Deputy Vice-Chancellor of Halmstad University and member of ELLIIT steering group welcomed symposium participants.



The topic of the next focus period hosted in Lund in spring 2027 is **From Mm-waves to Sub-THz – Unleashing Bandwidth Opportunities with Hardware.**

ELLIIT Annual Workshop 2026

The annual workshop of ELLIIT took place in Lund October 21-22, 2026 on the LTH Campus. After introduction and a warm welcome to especially newly recruited faculty and PhD students by director Erik G. Larsson, invited speaker Oussama Khatib from Stanford University gave an inspiring keynote on "Shaping the Future of Human-Robot Collaboration."

> More on the workshop and photos



From the left: Panelists discussing the path from ELLIIT research to impact - Magnus Frodigh, Mats Benner, William Tärneberg, Simin Nadjm-Tehrani, and Görel Hedin.



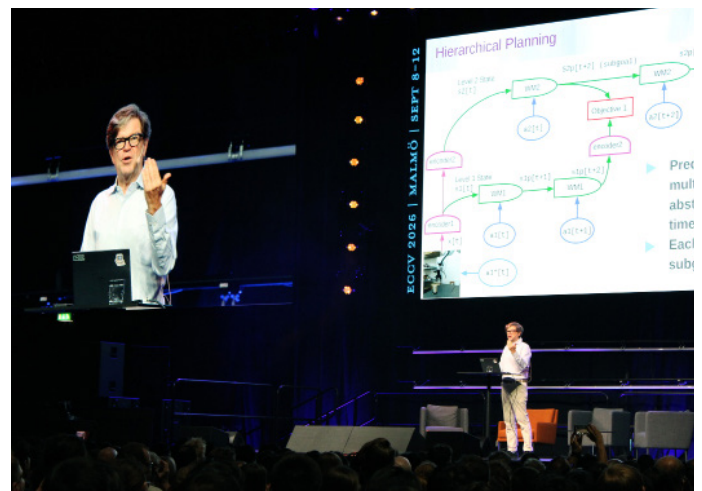
The ELLIIT annual workshop always includes a workshop dinner, this time in the student's union building in central Lund.

ECCV a success

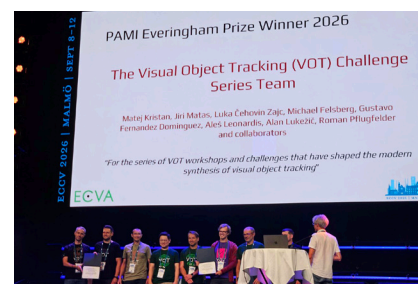
The **European Conference on Computer Vision (ECCV)** is one of the premier international conferences in computer vision and machine learning. The topics are image understanding, 3D vision, video analysis, generative models, robotics, and AI, and the conference has established itself as one of the major arenas for presenting breakthroughs in these areas.

Several ELLIIT faculty were involved in the organisation of the conference held in Malmö Arena this year, and ELLIIT had a strong presence in the program. Kalle Åström was one of five general chairs for the conference that gathered just over 7 000 researchers in Malmö. The 2026 edition of ECCV received 10 800 submissions, with 2 800 accepted.

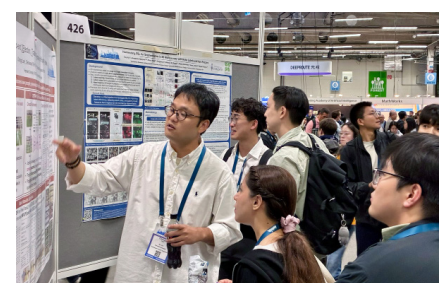
Prominent **keynote speakers** at ECCV 2026 were Kristen Grauman, Yann LeCun, and Jamie Shotton.



Yann LeCun filled the arena for his talk on world models.



Michael Felsberg and the Visual Object Tracking team were awarded for their work with workshops and challenges for the community.



The poster sessions were lively in the venue Malmö Mässan by Malmö Arena.

New PhD projects - Call H

ELLIIT funds new PhD projects through call H. Nine projects have been selected for funding, with each project supporting one PhD student for five years, from 2027 to 2031. Call H emphasized scientific originality, potential for industrial impact and added value to ELLIIT's existing project portfolio.

> [Find the projects on the homepage](#)

ELLIIT supports new computer science club for young women

A new computer science club at Linköping University will give female upper secondary school students the opportunity to explore mathematics, programming, AI, and technology. The club is aimed at women curious about mathematics, computer science, and technology and the initiative is supported by the ELLIIT Gender and Diversity Group.

> [More on the initiative](#)

New Possibilities for Compact Sensor Arrays

During his ELLIIT-funded PhD studies at LiU, Gustav Zetterqvist has developed new methods for estimating the direction of signal sources. The research could contribute to smaller and more practical sensor systems, with potential applications in wildlife monitoring to locating missing people.

> [From signal to direction](#)

CodeProber tool launched

As a continuation of ELLIIT project Cloud Tooling for Large-Scale Cyber-Physical System Model-Based Development, CodeProber (a Lund-based compiler tool) has been integrated with OpenModelica (a LiU based Modelica tool). Now that the CodeProber tool can be used with the Modelica language via OpenModelica it opens new testing possibilities and future collaboration between ELLIIT partners in simulation of cyber-physical systems.

> [Check out CodeProber](#)



Anders Rantzer (right) at the award ceremony in Busan this summer.

Anders Rantzer IFAC Fellow

Anders Rantzer at LU received a fellow award of the International Federation of Automatic Control at the IFAC world congress. The IFAC Fellow Award is given to persons who have made outstanding and extraordinary contributions in the field of interest of IFAC, in the role as an engineer or scientist, technical leader, or educator. Anders Rantzer received the award for his contributions to robust control, nonlinear control, and large scale systems.



Best Papers AVEC'26

The paper "Experimental Validation of Wary Control with Stationary Obstacle" by Victor Fors, Björn Olofsson, Lars Nielsen, and J. Christian Gerdes was a Best Paper Award Finalist at the 17th **International Symposium on Advanced Vehicle Control (AVEC '26)** in Tsukuba, Japan. The research is a collaboration between Stanford University, Linköping University, and Lund University.

We welcome...

... Omar Abrahamsson, ELLIIT PhD student at LiU in project: A Robust and Reliable Vision-Language-Action Interface (F4).

... Simon Sjöling, ELLIIT PhD student in communications engineering at LTH.

... Jiajun He, new MSCA-PF postdoc in communication systems, supervised by Erik G. Larsson at LiU.

ELLIS Sweden unit inaugurated

The Swedish unit is now being launched within the European Laboratory for Learning and Intelligent Systems (ELLIS) network. This gives researchers in Sweden access to advanced computing capacity, skills development opportunities, new avenues for collaboration with industry, and a broad international research network. Michael Felsberg is one of the co-directors of ELLIS Sweden.

[> More in news from LiU](#)

Digital Arena Sweden launch events

The national test environment Digital Arena Sweden is launching with events in Lund, Gothenburg, Stockholm, and Luleå during November. Co-director Fredrik Tufvesson is invited speaker at the Lund event November 10 at Ericsson. See dates and sites to sign up:

[> Digital Arena Sweden](#)

Dissertations

Anton Risberg Alaküla

>> Live Exploration and Testing of Source Code Analyzers

See the news on CodeProber under the news section, Anton's work has explored tools and techniques for simplifying development of source code analyzers and he has implemented property probes in CodeProber!

Jonas Conneryd

>> On the Algebraic Proof Complexity of Constraint Satisfaction

Gustav Zetterqvist

>> Directional Sensitivity for DoA Estimation: From Missed Detections to Tracks

See the news on New possibilities for compact sensor arrays!

Frida Heskebeck

>> Source Data Selection for Brain-Computer Interfaces

Ilayda Yaman

>> Efficient Real-Time Localization Systems: Measurements, Algorithms, and Hardware

David Ohlin

>> Linearly Scalable Control and Estimation

Licentiates

John Larsson

>> Exploring data sharing through the lens of open data ecosystems in public-private freight logistics
