

Greetings from the Directors

This spring has been another successful semester for ELLIIT, with many activities beyond our daily research work. Four newly recruited faculty members have joined ELLIIT, and two focus periods were organized. The proposals for new PhD student projects under Call H are currently under evaluation.

In addition, we have recently received detailed instructions for the upcoming VINNOVA evaluation. The reporting will take place during the autumn and will include impact cases, selected publications, and self-evaluations. This will be a substantial, but important, effort, and the entire ELLIIT community will be mobilized to contribute. More information will follow. Until then, we wish you a pleasant, relaxing, and well-deserved summer holiday.

Erik G. Larsson, director
Fredrik Tufvesson, co-director

Robust AI for Science and Industry

ELLIIT Focus Period Fall 2026: Halmstad

This fall Halmstad University will be hosting a focus period for the first time. The topic for the Halmstad focus period is **Robust AI for Science and Industry**.

The registration for the focus period symposium that takes place September 22-24 is now open. The topics of the talks cover integrating data- and knowledge-driven approaches for automated scientific modeling, formalizing AI for science, neurosymbolic AI, cross-domain AI, generative digital twins, and multi-agent dynamics in sequential and generative models.

Explainability and data management are also prominent themes, highlighted by sessions on



information extraction and knowledge modelling supporting explainability, the current inadequacies of explainable AI methods, and reimagining AI systems to address missing data and structural silences. Specialized field applications are explored through talks on LLMs in the legal domain, secure AI in space, behavioral training for robust robot assistants, reducing data demand in clinical studies, and disease modeling.

Finally, environmental and ethical considerations are heavily emphasized, addressing sustainability and waste monitoring,

green AI, autonomous weapons, human rights, and responsible AI.

The focus period takes place in Halmstad September 7 to October 9, with the three day symposium September 22-24, 2026. Last day to register attendance to the symposium is September 1, 2026.

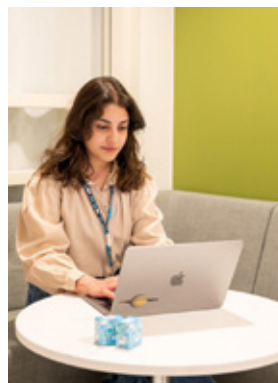
- > **Meet the visiting scholars**
- > **See the invited speakers**
- > **See the symposium program and register for the event**

Wireless Sensing Technologies for Emerging Applications

ELLIIT Focus Period in Linköping
April 7 - May 8, 2026

Two focus periods were organized in spring term 2026. The first one was on **Wireless Sensing Technologies for Emerging Applications**, held in Linköping.

- > **See symposium highlights and a lot (a lot) of photos from the symposium**



Visiting scholar Silan Karadag shared her experiences of the focus period:

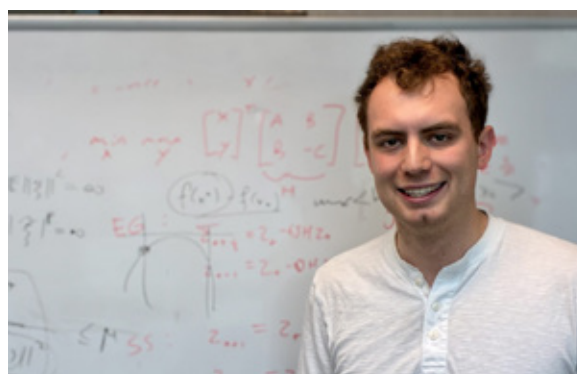
"The schedule was packed in the best way possible"

Optimization for Learning

ELLIIT Focus Period in Lund
April 20 - May 22, 2026

Lund University hosted the second focus period of the spring, on **Optimization for Learning**.

- > **More on the topic**
- > **Symposium highlights**
- > **Meet Henry Shugart, visiting scholar from Pennsylvania**



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.**

Annual Workshop 2026

The **annual ELLIIT workshop** takes place in Lund, October 21-22, see the [program here](#).

Registration is open, last day to register is September 21: [Sign up here](#)

For the joy of mathematics

Sara Maad Sasane (LU) has headed a gender and diversity-initiative aimed to peak the interest of younger students in mathematics. The project "Mathematics collaboration with a rural school" started in 2024, and has connected a school in Örkelljunga in Scania with teachers from the Center for Mathematical Sciences at Lund University. Two pupils in the initiative have reached exceptional result in the international Kangaroo mathematics competition. One of the pupils also received the Mikael Passare stipend of 1000 SEK for his achievement in the competition.

> [Read an interview with project PI Sara Maad Sasane](#)

> [View a clip of the champions and teachers involved on SVT \(in Swedish\)](#)

News & Appointments



For the joy of sports

Did you know that systems based on ELLIIT research are used in sports venues all over the world for capturing and streaming sporting events?

Read the story behind the company Spiideo, that has democratized streaming and analyses of games and events, by enabling the technologies for all levels of sports.

> [Sports from every angle, for everyone](#)



Screen capture from the SVT feature of the project.



Images courtesy of Spiideo.

New center for research on drone swarms ICSOB2026

A center gathering research on autonomous drone swarm technologies has been appointed to Linköping University. The center will be led by Fredrik Heinz, with several ELLIIT researchers and infrastructures involved.

> [Read more in LiU's news article](#)

ECCV in Malmö September 2026



The **European Conference on Computer Vision (ECCV)** is one of the premier international conferences in computer vision and machine learning. The conference attracts thousands of researchers from academia and industry and serves as a major forum for presenting breakthroughs in areas such as image understanding, 3D vision, video analysis, generative models, robotics, and AI.

This autumn ECCV will be held in Malmö, Sweden, September 8–12, and around 8000 attendees are expected. The workshops and tutorials will take place on September 8–9, followed by the main conference, plenary talks, poster sessions, and industrial exhibition September 10–12 at the venues Malmö Arena and Malmömässan. Several ELLIIT and WASP faculty are involved in the organization of the conference.

> [More info on ECCV in Malmö](#)

The 17th **International Conference on Software Business (ICSOB2026)** will take place in Gothenburg, Oct 26-28, 2026, sponsored by ELLIIT. The conference theme is "Software Business in the Age of AI-Native Dominance and Digital Sovereignty", exploring how AI, cloud infrastructures, and geopolitical shifts are reshaping software-intensive business.

> [Last day to submit papers is July 20, 2026.](#)

Best Paper Award at the OmniCV Workshop, and challenge podium

Viktor Larsson (LU) with Xinye Zhang, Laurent Kneip and Zuzana Kukelova have received best paper award at the OmniCV workshop for their work titled:

Fisheye Absolute Pose and Focal Length Estimation Revisited



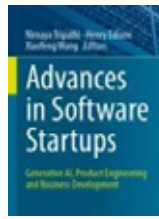
Viktor Larsson's team also took second place in the S23DR Challenge at the Urban Scene Modelling Workshop. Ludvig Dillén, Jonathan Astermark, Johanna Lidholm, Gustav Hanning, and Viktor Larsson secured second place with their contribution titled:

Edge Prediction for Roof Wireframe Reconstruction with Transformers

Book on software startups

The book “Advances in Software Startups: Generative AI, Product Engineering and Business Development”

co-edited by Henry Edison (BTH) is now publicly available. The volume brings together empirical research, practical experience, and educational perspectives to address the latest developments at the intersection of engineering, business, and startup strategy.



> [Access to book via Springer](#)

- Oscar Gustafsson was panelist at DATE (Design, Automation and Test in Europe Conference) on a panel titled **Empowering Education through Open-Source Hardware**
- Ahmet Kaplan (LiU, communication systems) won 3rd place (shared) in the **IEEE ComSoc four-minute thesis competition**

Dissertations

Simon Kristoffersson Lind
>> Uncertainty estimation for adaptable and reliable robotic vision

Oskar Keding
>> Selective Attention Tracking: Neural Markers in Listeners Across Hearing Conditions

Andy Oertel
>> Certifying Combinatorial Optimization: A Unified Approach Using Pseudo-Boolean Reasoning

Peng Kuang
>> Building Gaze-aware Programming Environments

Deijany Rodríguez Linares
>> Contributions to Low-Complexity Linearization, Equalization, and Synchronization

Tanvir Ahmed
>> From Data to Value: Affordance-Led Insights into Platform-based Servitization

Denis Nabokov
>> Secure on Paper: Attacking Post-Quantum Cryptography in Practice

Johan Lindberg
>> Robust & Optimal Control of Mass-Spring Networks: with Power System Applications

Meet the Recruited Faculty



Diana Pamela Moya Osorio

Diana Pamela Moya Osorio, Associate Professor in Communication Systems at Linköping University, joined the university and became an ELLIIT Recruited Faculty member in October 2023. “ELLIIT played a decisive role in enabling my move to Sweden,” she says.

>> Meet Diana Pamela Moya Osorio

Happy Midsummer! 