

Workshop Speakerlist 2025-10-21



Nordic Photonics Forum:

Photonics and Electronics 4 Defence

Workshop: 10:00-16:00, 21 October, 2025, Day 1 of OPS-2025 at Electrum in Kista, Stockholm, Sweden

 **PhotonicsSweden**
The Swedish Technology Platform in Optics and Photonics

=> OPS-2025 Webpage: <https://photonicsweden.org/event/workshop-on-photonics-electronics-4-defence-21-october-2025/>

Photonics & Electronics
4 Defence

Stockholm | 21 October 2025

Workshop and Exhibition

- » Talks by Photonics Experts and End-users
- » Networking & Matchmaking
- » Exhibition



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21th October: OPS-2025 Nordic Photonics Forum “Photonics and Electronics 4 Defence”



Carina Harnesk, CEO



Lumibird Photonics Sweden AB

<https://www.lumibird.com/en/>

“The technical challenges in a growing military market”

Lumibird Photonics Sweden has provided the defence market with laser range finders and other optical solutions the last 60 years. Carina will explain how technology has been developed, and how the market has changed over these years and what impact the geopolitical situation will have on our products/technology today and for the future.

In October 2017, KEOPSY, the fiber laser company founded by Marc Le Flohic in Lannion (France) and the QUANTEL group, specializing in solid-state lasers and their applications, merged. The new group changed its name from May 17 2018 to the LUMIBIRD group. With more than 25 years of experience and expertise in 3 key technologies – solid-state lasers, laser diodes and fiber lasers – the group designs, manufactures and markets high performance lasers for the scientific (laboratories and universities), industrial (manufacturing, defense, LiDAR sensors), and medical (ophthalmology). Acquisitions in 2022 were the SAAB Group’s defence laser rangefinder business (now Lumibird Photonics Sweden) and INNOPTICS, a company specialising in the encapsulation of optoelectronic components. Lumibird Photonics Sweden AB is a Laser equipment supplier in Gothenburg.

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**Linda Höglund,
R&D Manager**



IR-Nova AB

<https://www.irnova.se/>

Linda Höglund, is currently a Research and Development Manager at Irnova. Linda Höglund brings experience from previous roles at Nasa Jet Propulsion Laboratory, Acreo Swedish Ict Ab, Ifm and Ifm Linköping University. Linda Höglund holds a 2004 - 2008 Doctor Of Philosophy @ Linköping University.

Our persistent and successful R&D lets us produce some of the world’s most advanced cooled infrared detectors to give you the power to innovate in new infrared systems, through higher sensitivity, more compact detectors, less power consumption and reduced weight. T2SL allows us to push the boundaries of detection in almost every field. IRnova plans to introduce high definition (full HD and beyond) infrared detectors serving the midwave infrared spectrum of 3–5 µm, as well as the 8–12 µm longwave infrared (LWIR) and very longwave (VLWIR) spectrum.

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**Lennart Ljungfelt
Senior Advisor**



Aimpoint AB, Malmö

www.aimpoint.com

“The future in sight”

Advanced sight and fire control systems are essential in modern warfare. Aimpoint is the leading supplier of such advanced systems to hunters, sports shooters, police and military. The red dot sight was invented in 1975. Over these five decades, Aimpoint had the privilege of selling over five million sights worldwide.

Lennart Ljungfelts has served 16 years with the Swedish Army and fulfilled the Advanced Command and Technical course at MHS 1993-95. He has worked 5 years at Bofors Missiles in Karlskoga, and was assigned as president of Aimpoint in early 2003. Since January 1st 2025 he is working part time as Senior Advisor at Aimpoint.

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**Rikard Lundqvist,
Managing Director,
and/or
Markus Bylesjö, CTO**



Optronic AB

<https://optronic.se/en/home/>

Rikard brings extensive experience as an international executive with a proven track record in leadership roles within technology-driven global companies. He has spent the past 29 years based in the United States and is now returning to Skellefteå, Sweden, for his next challenge. Optronic are one of the Nordic region’s leading service companies in the field of advanced development and manufacture of products and modules that use optical metrology. We focus on development aimed at series production and continuous improvement of existing products.

<https://news.cision.com/dacke-industri-ab/r/rikard-lundqvist-new-ceo-of-optronic,c4031873>

<https://www.linkedin.com/in/rikardlundqvist/>

Markus has extensive experience from leading international technology companies such as Sony and Axis. Optronic have development, design, can build prototypes and test at our facility in Skellefteå.

<https://www.linkedin.com/in/markus-bylesj%C3%B6-6087b760/>

 Matts Björck, Ph.D, Senior scientist	 FOI - Swedish Defence Research Agency Linköping https://www.foi.se/en/foi/about-foi.html	Matts is Head of department Electrooptical Systems at FOI, holding a Ph.D in Materials physics with a demonstrated history of working in both research and industry. Experience from Thin film physics, x-ray and neutron scattering, data analysis, friction stir welding, laser systems and technical project management as well as line management. https://www.linkedin.com/in/matts-bj%C3%B6rck-5693593/
 Clément Raigner UK, Nordics & Benelux Sales Manager	 Exail Photonics, France https://www.exail.com/photonics/sensing	Trusted by over 70 navies and armies worldwide, Exail delivers cutting-edge naval and land defense solutions, from navigation and robotics solutions to stand-off mine countermeasures systems, ensuring reliability and safety in the toughest environments. Exail empowers photonics engineers all around the world with high-performance, innovative and reliable optical solutions that have proven their relevance for laser, quantum, sensing, or space applications. As a Sales Manager at Exail Photonics, I drive business growth by bringing cutting-edge and reliable optical solutions (specialty optical fibers, electro-optical modulation solutions, ultra-stable fibered micro-optical benches, lasers and quantum sensors) to industries. With a deep understanding of optics and photonics, I lead sales strategies that align with customer needs and market trends, ensuring innovative solutions reach the right partners. https://www.linkedin.com/in/cl%C3%A9ment-raigner-9649b122a/
 Karol Krol, CTO	 7L Test AB, Stockholm https://7lab.se/en/about-7lab/	“From RF spectrum analyzer to drone detector – the ultimate dual-use solution” Karol holds an MSc degree in Electronics and Telecommunications from AGH University in Krakow. He has extensive experience working on various radio-related development projects that have resulted in new product solutions. His previous positions include roles at Spirea, Nanoradio, Aircapture, TestTools, and Airmobile. He is also the inventor of US Patent US-2021-0051087: “Mobile Radio Network Node and Method for Estimating a Capacity of a Link in a Radio Communications Network.” Since 2009, Karol has served as CTO of 7Lab, overseeing the RF product portfolio, and since 2023, his focus has shifted to electronic warfare systems. 7LAB was founded in 2009 to offer WiFi expert knowledge and tools in the Nordic market. As a result of our expert competence in RF and spectrum analysis, we became partners to the company Aaronia, Germany. Since 2024 7LAB has offered the C-UAS system AARTOS as well as the whole Aaronia RF range which includes antennas and spectrum analyzers in the Nordics. In 2024/2025, our anti-drone/electronic warfare business has grown significantly. 7LAB has established itself as a leading supplier of anti-drone and EW solutions in the Nordics.
 Johan Gullman, Head of R&D	 The Swedish Defence Materiel Administration, FMV, Stockholm https://www.fmv.se/english/	“FMV's activities within innovation and research” The Swedish Defence Materiel Administration, FMV, is a governmental agency acting under the Ministry of Defence. We make sure the Swedish Armed Forces have the equipment and logistic services they need to execute their mission. Our technical, commercial and legal expertise, as well as our expertise in project management, ensures that we deliver sustainable solutions over time. That is our contribution to a stronger defense. https://www.linkedin.com/in/johangullmanstrand/ https://www.fmv.se/globalassets/dokument/om-fmv/omvarld-2024---tema-manniskan.pdf https://www.fmv.se/globalassets/dokument/om-fmv/omvarld-2023---tema-norrand.pdf