

# ●●● PhotonicSweden

## Optics & Photonics in Sweden 2025

Conference & Exhibition

21 – 23 October 2025  
at KTH-Electrum in  
Kista, Stockholm

- Parallel sessions
- Academic & Industrial talks
- Key note speakers
- Pitch talks by exhibitors
- Exhibition
- Poster session
- Prize awards
- Networking
- Nordic Photonics Forum



[www.photonicsweden.org](http://www.photonicsweden.org)

OPS-2025 Webpage: <https://photonicsweden.org/event/optics-and-photonics-in-sweden-conference-2025/>



# 22<sup>nd</sup> – 23<sup>rd</sup> October: OPS-2025 Conference & Exhibition

## OPS-2025 Pitch talks by exhibitors 22<sup>nd</sup> October



## OPS-2025 Academic & Industrial Sessions 22<sup>nd</sup> October

### Keynotes – 22<sup>nd</sup> October



**Wim Bogaerts**, Professor

Ghent University/IMEC,  
Belgium,  
Photonics Research Group  
at Ghent University - imec

#### **“Silicon photonics chip and its complex circuits performance of electrical-to-optical conversions and light coupling”**

Prof Wim Bogaerts specializes in silicon photonics, design of complex photonics circuits, and programmable photonics. During and after his PhD, he laid the foundations for IMEC's silicon photonics platform, and the multi-project-wafer service ePIXfab which made this technology accessible for many researchers in Europe and beyond. To enable design of these circuits, Wim and his colleagues developed the parametric design software IPKISS. In 2014, Wim co-founded the spin-off company Luceda Photonics (since 2025 part of the Semitronix group), to commercialize IPKISS, which is now used by thousands of designers worldwide. In 2016, Wim received a consolidator grant from the European Research Council, and returned full-time to Ghent University, with a research focus on programmable photonics. Since 2023 Wim is also chair of ePIXfab, the European alliance to promote the silicon photonics ecosystem. He is a Fellow of the IEEE and OPTICA, and senior member of the SPIE.

<https://www.linkedin.com/in/wimbogaerts/?originalSubdomain=be>  
<https://biblio.ugent.be/person/801001267525>



**John Lincoln**  
Director, Chief Executive,

Harlin Ltd, UK  
<https://photonicsuk.org/directory/listing/harlin-ltd>



#### **“Photonics present and future:- the scale and impact of as industry vital to the 21st century”**

Photonics Leadership Group; Europe Strategy Director, SPIE; Member of multiple advisory boards  
John is SPIE's Europe Strategy Director and Chief Executive of the UK Photonics Leadership Group supporting the alignment of policy, industry and research strategy in the £18.5bn UK Photonics industry.

John has over 35 years' experience in the industry developing products, business and policy impacts. John has run his business development consultancy, Harlin Ltd, since 2006 helping SMEs, Universities, VCs and governments to identify growth opportunities and technology impact at company, national and international level.



John sits on multiple advisory boards, is a non-executive director of Dialight PLC and entrepreneur coach for the European Innovation Council. <https://www.linkedin.com/in/johnrlincoln/>

## Keynotes –23rd October

 <p><b>Yen-Chieh Huang,</b> Professor</p>	<p><b>National Tsing Hua University (NTHU), Taiwan</b>  <a href="https://oga.site.nthu.edu.tw/?Lang=en">https://oga.site.nthu.edu.tw/?Lang=en</a></p>	<p><b>“Photonic Chips for Electron Acceleration and Radiation”</b>          Prof. Huang is Co-inventor of laser-driven particle acceleration on a chip—a break-through poised to miniaturize high-energy accelerators. His compact design generates nano-electron bunches for x-ray superradiance, potentially brighter than large-scale synchrotrons, with applications in materials science and radiotherapy. He also holds the record for high-energy THz generation used in particle acceleration. He’s renowned for pioneering work in nonlinear optics, especially with periodically poled lithium niobate (PPLN) crystals. In 2000, he founded HC Photonics, first to commercialize quasi-phase-matched crystals. He also pioneered LED-pumped lasers—cost-effective, long-lived sources. His team built megawatt-class systems able to machine hard materials. In 2023, he founded LEDlas, commercializing the world’s first MW-class LED-pumped solid-state laser.  <a href="https://topcenter.site.nthu.edu.tw/p/404-1488-166366.php">https://topcenter.site.nthu.edu.tw/p/404-1488-166366.php</a></p>
 <p><b>Charlott Samuelsson</b> Senior Vice President</p>	<p><b>Mycronic AB, Sweden</b>  <a href="https://www.mycronic.com/">https://www.mycronic.com/</a></p>	<p><b>“More than 50 years of innovation – Mycronic’s journey to the heart of the display and semiconductor industry”</b>          Charlott is head of the Pattern Generator divisions at Mycronic AB. She is MSc in Technical Physics and Tech. Lic. in Electron Physics from Chalmers University of Technology in Gothenburg. After five years in the defence industry, Charlott joined Mycronic in 1996 and has since then been part of Mycronic journey from a start-up to large cap. Since 2017, Charlott has been managing the Pattern Generator business.  <a href="https://www.linkedin.com/in/charlott-samuelsson-570ba034/?locale=sv_SE">https://www.linkedin.com/in/charlott-samuelsson-570ba034/?locale=sv_SE</a>  <b>Mycronic</b> is a world-leading provider of flexible, high-precision production solutions for electronics manufacturing. In 1971, a group of Swedish engineers from the Royal Institute of Technology in Stockholm began work on developing what was later became Mycronic’s first commercial laser mask writer. This fundamental technology is today strategic for the whole display industry and key for a cost-efficient manufacturing of semiconductor. Mycronic has maintained its role as a global leader in laser mask writer expertise and the mask writers are now the core business for one of Mycronic’s four divisions. Charlott will present parts of Mycronic’s more than 50 year long history of innovation, which has resulted in a position as a leading supplier to the global electronics industry.</p>

## Speakers – Industrial Sessions

### Wednesday 22 October Session B1 | Photonics Applications

 <p><b>Robert Kvist,</b> Area Sales Manager Europe</p>	<p><b>Silex Microsystems AB</b>  <a href="https://www.silexmicrosystems.com/en/">https://www.silexmicrosystems.com/en/</a></p>	<p><b>“Back in Swedish ownership - Continued global leadership in MEMS”</b>          The world’s largest pure-play MEMS foundry, enabling customers to develop and bring the most advanced solutions to market.  <a href="https://www.linkedin.com/in/robertkvist/">https://www.linkedin.com/in/robertkvist/</a></p>
 <p><b>Per Olof Holtz,</b> CSO, or <b>Lisa Rullik,</b> CTO</p>	<p><b>Polar Light Technologies AB, Linköping</b>  <a href="https://www.polar-light-technologies.com/">https://www.polar-light-technologies.com/</a></p>	<p><b>“Pyramidal microLEDs in the same material system paving the way for RGB emission in micro displays”</b>          Polar Light Technologies is sprung out of Professor Per-Olof Holtz’s and his research team’s longstanding research into semiconductors and optoelectronics at Linköping University. This research has enabled technology development that results in unmatched pixel size, brightness and energy efficiency. The research translates into more efficient and better-functioning technology, serving our commercial goals, which include creating state-of-the-art solutions for applications as varied as head mounted displays, head-up displays, wearables, white light applications, optical interconnects and quantum cryptography, among others.  <a href="https://www.linkedin.com/in/per-olof-holtz-0a8403a/">https://www.linkedin.com/in/per-olof-holtz-0a8403a/</a>  <a href="https://www.linkedin.com/in/lisa-rullik/">https://www.linkedin.com/in/lisa-rullik/</a></p>



**Daniel Brauda**  
Sales and product manager laser

**Toptica-Eagleyard GmbH**, Germany (Represented by Tillquist in Sweden)  
<https://www.toptica-eagleyard.com/application-overview/>

**“High-Performance Laser Diodes for Advanced Applications”**

Edge-emitting laser diodes operating in the 633–1100 nm spectral range offering exceptional reliability and stability, making them ideal for demanding environments. Their compact design and efficiency enable deployment in biomedical technologies. They also support applications in space, sensing, and industrial systems. Daniel is a photonics engineer with hands-on experience in assembly, miniaturization and characterization of laser diode systems. He has a strong background in product development and project management in the field of semiconductor technology, especially in high power lasers from several kW for material processing down to a few mW with small linewidth for metrology and quantum applications. TOPTICA EAGLEYARD is a global leading provider of high power laser diodes with wavelengths from 630 nm – 1120 nm based on GaAs (Gallium Arsenide). Our products combine maximum power, great durability and excellent beam quality – a perfect match for high-end applications. We put responsibility and innovation first and transform research-based know-how into market-ready products with the highest degree of professionalism and a special focus on highly integrated components.

<https://www.linkedin.com/in/daniel-brauda-76b823141/>  
<https://www.linkedin.com/company/eagleyard-photonics-gmbh/posts/?feedView=all>



**Sara Abrahamsson, Ph.D.**

**Freelance Optics specialist** (Former Sandberg Development AB, Malmö)

**“Shaping light and focusing with diffractive optics”**

Sara is a scientist, engineer, teacher, writer, problem solver, inventor and designer in optical systems and imaging. She has spent most of my career in academia, developing and employing new and unique optical designs for visible light biomedicine. Her research lab created and employed optical systems for live biological imaging, with a focus on simultaneous live 3D imaging and super-resolution microscopy using Structured Illumination. The work involved hands-on nanofabrication of exquisite diffractive Fourier optics elements at academic nanofabs. Her main contribution to the field of Optics has been the invention, with her mentor Dr. Mats Gustafsson, of aberration-corrected multifocus microscopy and MF-SIM. As faculty at UCSC and teaching faculty at the Marine Biological Laboratory at Woods Hole, MA, USA, I taught and developed courses in optics, biomedicine, neuroimaging, technical photography and image processing.

<https://www.linkedin.com/in/sara-abrahamsson-37803024/>  
<https://bit.ly/4muEQbx>

**Wednesday 22 October Session B2 | Photonics Metrology**



**Per Olof Hedekvist, Ph.D.**  
Senior Scientist

**RISE**, Borås  
<https://www.ri.se/sv/nyheter/meterkonventionen-150-ar-den-20-maj>

**“150 years of international collaboration of measurements, and the importance of optics in the evolution of accuracy”.**

Per Olof is working at SP in R&D on photometry, radiometry and time & frequency distribution, and some efforts in microwave metrology. His main responsibility is to develop new business opportunities in Metrological Internet-of-Things, combining the need for reliable data in connected devices with the expertise of the engineers and researchers at SP Metrology department. In photometry, he is working on the development of future illumination sources. Evaluating LEDs as the alternative to lightbulbs and CFLs, to assemble an independent knowledge base useful for users, private as well as commercial. He has collaborations with LTU and the Center for Energy Efficient Lighting, ceebel, with presentations and lectures. Another task is developing methods for measurement of both photometric and radiometric properties when analysing new light sources not based on black body radiation.

<https://www.ri.se/sv/person/per-olof-hedekvist>  
<https://www.linkedin.com/in/per-olof-hedekvist-852792a/?originalSubdomain=se>



**Audrius Jasaitis**  
Application Specialist and Sales

**Imagine Optic**, Paris  
<https://www.imagine-optic.com/>

**“Adaptive Optics Solutions and Optical Metrology Tools applied by Imagine Optic”**

Development of wavefront sensing instruments

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



**Nada IRAQI**, International business developer

HEF Groupe Photonics, France, Poland  
<https://hef.group/en/photonics/>

**“Meeting the optical challenges of evolving industrial and defense markets”**

For over 40 years, the individual companies from HEF Photonics have developed a recognized expertise in optical and metallic treatments by thin film deposition under high vacuum and in controlled environment. HEF Photonics integrated these entities to create a powerful tool adapted to industrial needs. HEF Photonics now offers a unique end-to-end solution for optical components fabrication, from ultra-precision polishing of substrates to complex thin-film coatings across the full spectral range from UV to IR. In addition to coatings, HEF Photonics excels in specialized engraving, masking, patterning by photolithography, electroforming and laser processing. Backed by over 40 coating machines in more than 3,000 m<sup>2</sup> of ISO 5–7 cleanrooms and expanding ion beam sputtering (IBS) capabilities, HEF Photonics supports high-performance applications in defense, aerospace, medical, semiconductor, and research sectors. As markets evolve and technical requirements intensify, HEF Photonics continues to invest in scalable, high-performance solutions tailored to both prototype development and volume production.

<https://www.linkedin.com/in/nada-iraqi-966b2b8a/>

**Thursday 23 October Session B3 | Photonics Industrial Applications**



**Mikael Winters**, Ph.D. Area Sales Manager

Coherent, Mölndal  
[www.coherent.com/](http://www.coherent.com/)

**“The age of the photon - Photons are indispensable to advanced manufacturing and the fabric of AI data-centers”**

As a researcher at Chalmers University of Technology, Mikael functioned as a project coordinator and lab manager for two laser laboratories. As a result of this, Mikael has acquired solid experience in planning and executing research plans with several co-workers. Mikael did a large part of his work in collaboration with other research groups, such as Harry Anderson group at Oxford University, David Phillips group at Imperial College London, Niels Harrit group at Copenhagen University, and Jerker Mårtensson group at Chalmers University of Technology.

Coherent (Optoskand AB) delivers the power from your laser source to the workpiece with minimal losses thanks to a successful technology. We have developed and manufactured a wide range of beam delivery products for high power lasers for our customers: Fiber Optic Cables, Incoupling Optics and Process Optics. Many of these products are certified, which is a testament of the skill of our innovative R&D engineers.

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



**Håkan Karlsson**, CEO

Cobolt AB-HÜBNER Photonics  
<https://hubner-photonics.com/>

**“Lasers for applications in quantum technology enabled devices”**

Håkan has over 15 years of entrepreneurship and engagement in the photonics industry and research community. A well-developed understanding of a broad range of laser photonics markets including bioinstrumentation, process control, semiconductor metrology, environmental monitoring and micromachining with their respective dynamics, trends and main actors.

**HÜBNER Photonics** offers a full range of high performance lasers and terahertz systems including single and multi-line Cobolt lasers, tunable C-WAVE lasers, C-FLEX laser combiners, VALO femtosecond fiber lasers and Terahertz imagers and spectrometers.

<https://www.linkedin.com/in/h%C3%A5kan-karlsson-b156933/>



**Clément Raigner**  
UK, Nordics & Benelux Sales Manager


Exail Photonics, France  
<https://www.exail.com/photonics/sensing>

**“Expanding your quantum technology capabilities with high-performance optical solutions”**

Exail, a global industrial company within the field of photonics and quantum technologies, was the first to commercialize industry-grade quantum gravity sensors. This success comes from development of cutting-edge technologies for the manipulation of individual quantum objects. They are now accessible to a wider range of users, helping them bring their quantum innovations to the market.




Exail is involved in specialty optical fibers, modulation solutions, ultra-stable fibered micro-optical benches, lasers, and quantum sensors. Meeting the quality and reliability standards required for demanding operations, these solutions are optimized for use in a wide variety of environments, from temperature-stabilized laboratories to deep space.

<https://www.linkedin.com/in/cl%C3%A9ment-raigner-9649b122a/>

 <p><b>Olle Rosenqvist</b> Development Manager</p>	<p><b>Thorlabs Sweden AB,</b> Möndal <a href="https://www.thorlabs.com/careers/sweden">https://www.thorlabs.com/careers/sweden</a></p>	<p><b>“Design and manufacturing of optical systems at Thorlabs Sweden”</b></p> <p>We will give a short overview of what we do in photonics engineering and in manufacturing and then go deeper into the details of the design of an advanced objective for Life Science or Quantum applications. What trade-offs do we normally run in to in the design and how do we sort them out. What prejudices about what is industry standard are we up against and how do we prove the true performance of our design. How do we make an objective that not only have good performance in Zemax, but also is manufacturable.</p> <p>At Thorlabs Sweden AB, located in Möndal near Göteborg, our team of over 60 employees provide sales and technical support to the Scandinavian and Baltic countries as well as Poland. As our third-largest European entity, the facility has a modern 800 m2 cleanroom and designs and manufactures a line of advanced optical components and instruments, including beam expanders, objectives, scan lenses, spectrometers, fabry-perot interferometers, and optical spectrum analyzers (OSAs). <a href="https://www.linkedin.com/in/olle-rosenqvist-8269a18/">https://www.linkedin.com/in/olle-rosenqvist-8269a18/</a></p>

**Speakers – Academic Sessions**

**Wednesday 22 October Session A1 | Photonics and Artificial Intelligence**

 <p><b>Annie Lehmuskero, PhD,</b> Senior optics specialist</p>	<p><b>Entangly AB</b> <a href="https://entangly.se/">https://entangly.se/</a></p>	<p><b>“AI for optics design and Photonics for AI”</b></p> <p>As an optical consultant at Entangly, I participate in several optics development and design projects including illumination and imaging optics and optics instrumentation. I’m accustomed to optics design tasks, optical measurements, prototyping, project leading, scouting, marketing, and close collaboration with electromechanics and production to reach a final product.</p> <p>At the University of Eastern Finland, I’m participating in developing the optics design education to more closely correspond the needs of the industry. As a professor of practice, I strive to promote the collaboration between companies and universities and support networks between academic research, education and industry. <a href="https://www.linkedin.com/in/annilehmuskero/">https://www.linkedin.com/in/annilehmuskero/</a></p>
 <p><b>Giovanni Volpe,</b> Professor</p>	<p><b>University of Gothenburg</b> Department of Physics <a href="https://softmatterlab.org/">https://softmatterlab.org/</a></p>	<p><b>“AI for Photonics and Microscopy”</b></p> <p>Giovanni Volpe’s research focuses on the intersection of physics and life sciences, specializing in the development of advanced imaging techniques using AI and optical tools. His work includes designing deep learning frameworks for high-resolution microscopy (e.g., the Python frameworks DeepTrack and Deeplay, the neuroscience software BRAPH and BRAPH2) and optical manipulation methods for single-cell studies (e.g., optical tweezers, light-sheet microscopy). <a href="https://www.linkedin.com/in/gvolpe/">https://www.linkedin.com/in/gvolpe/</a> <a href="https://www.scilifelab.se/researchers/giovanni-volpe/">https://www.scilifelab.se/researchers/giovanni-volpe/</a> <a href="https://smart.mit.edu/post/celebrating-scientific-achievement-professor-giovanni-volpe-receives-g%C3%B6ran-gustafsson-prize">https://smart.mit.edu/post/celebrating-scientific-achievement-professor-giovanni-volpe-receives-g%C3%B6ran-gustafsson-prize</a></p>
 <p><b>Magnus Jonsson,</b> Professor</p>	<p><b>Linköping University</b> Applied Physics, Laboratory of Organic Electronics <a href="https://liu.se/en/research/laboratory-of-organic-electronics">https://liu.se/en/research/laboratory-of-organic-electronics</a></p>	<p><b>“Dynamic nanoscale control of light”</b></p> <p>Magnus Jonsson’s research group explores novel nano-optical concepts for applications including displays, sensors, energy systems, and smart materials. The group is particularly known for introducing conducting polymers as dynamic plasmonic materials for active metasurfaces. Other interests include forest-based materials for radiative cooling and adaptive camouflage. He is a Wallenberg Academy Fellow and holds consolidator grants from the European Research Council and the Swedish Research Council. He is the director of MicroNano@LiU and co-director of a strategic focus area on Advanced Functional Materials at Linköping University. <a href="http://www.mpjonsson.com">www.mpjonsson.com</a> <a href="https://liu.se/en/research/laboratory-of-organic-electronics/organic-photonics-and-nano-optics">https://liu.se/en/research/laboratory-of-organic-electronics/organic-photonics-and-nano-optics</a></p>



Philippe Tassin, Professor

**Chalmers University**  
Condensed Matter and  
Materials Theory, Physics  
<https://www.chalmers.se/en/departments/physics/research/condensed-matter-and-materials-theory/>

Dr. Tassin is professor of physics at Chalmers University, where he teaches physics, optics, quantum mechanics, and computer science courses. His teaching was recognized with the Golden Chalk by the students and with Chalmers' Pedagogical Prize. Philippe Tassin's research interests encompass the physics of electromagnetic structured materials and systems, including metamaterials, plasmonics, and nanophotonics. He received the BAEF Alumni Award from the Belgian-American Educational Foundation and the Frans Van Cauwelaert Award, one of the major awards of the Royal Flemish Academy of Belgium for Science and the Arts.  
<https://www.linkedin.com/in/ptassin/>  
<https://www.chalmers.se/en/persons/tassin/>

## Wednesday 22 October Session A2 | Terahertz



Jan Stake, Professor.  
Head of Division at  
Terahertz and Millimetre  
Wave Laboratory

**Chalmers University,**  
Gothenburg  
<https://www.chalmers.se/en/>

### ***“Electronic solutions for generating terahertz signals”***

Jan Stake was 2006 appointed Professor and the Head of the Terahertz and Millimetre Wave Laboratory at the Chalmers University of Technology. He was a Visiting Professor with the Submillimeter Wave Advanced Technology (SWAT) Group at Caltech/JPL, Pasadena, CA, USA, in 2007 and at TU Delft, the Netherlands, in 2020. He is also the co-founder of Wasa Millimeter Wave AB, Gothenburg, Sweden. Prof. Stake was the Editor-in-Chief for the IEEE Transactions on Terahertz Science and Technology between 2016 and 2018. He teaches semiconductor device physics and microwave engineering in different courses at Chalmers.  
<https://www.linkedin.com/in/jan-stake-87ba826/>



Yaqun Liu, PhD student

**KTH,** Laser physics, Light  
and Matter Physics, KTH  
Royal Institute of  
Technology  
<https://www.aphys.kth.se/lamp/research/laserphysics/laser-physics-1.801709>

### ***“Synthesised THz vortex fields based on nonlinear optics”***

<https://www.linkedin.com/in/yaqun-liu-15b532333/>



Esben Pilgaard Skovsen,  
Associate Professor

**Aalborg University**  
Department of Materials  
and Production  
The Faculty of Engineering  
and Science  
Physics and Mechanics  
<https://www.en.aau.dk/>

### ***“Photonic crystal-based photonics for 6G wireless technology”***

Esben has a bragground within time-resolved and nonlinear optics and have more than twenty years hands-on experience working with ultrashort laserpulses and optica in general. Over the last ten years, Esben has built up a new research group at Aalborg University focussing on terahertz optics and spectroscopy. Other active research activities in our group includes development of nanostructured metamaterials for high-sensitivity terahertz spectroscopy, machine-learning assisted identification of specific substances using terahertz spectroscopy, THz Synthetic Aperture Radar (THz-SAR), development of THz photonic crystals, and nonlinear optical and THz spectroscopy.  
<https://www.linkedin.com/in/esben-skovsen-37b6505/>  
<https://vbn.aau.dk/en/persons/esben-pilgaard-skovsen>

## Thursday 23 October Session A3 | Photonics Applications



**Andriy Shevchenko, Dr.**  
Senior University  
Lecturer

**Aalto University**, Finland  
Department of Applied  
Physics  
<https://www.aalto.fi/en/department-of-applied-physics>

### ***“Aberration-insensitive optical imaging”***

Andriy’s areas of expertise are: Optics and photonics, Metamaterials, Nanotechnology, Statistical optics, Plasmonics. He has a Doctoral degree in Engineering and Technology from Helsinki University of Technology Award Date: 19 Oct 2004.

<https://www.linkedin.com/in/andriy-shevchenko-0ab77272/>  
<https://www.aalto.fi/en/people/andriy-shevchenko>



**Elias Kristensson,**  
Researcher

**Lund University**,  
Department of Physics  
<https://www.lunduniversity.lu.se/>

### ***“Interferometric femtosecond videography of ultrafast phenomena”***

<https://www.linkedin.com/in/elias-kristensson-404b33160/>  
<https://www.lth.se/article/elias-kristensson-researcher-at-the-department-of-physics-receives-erc-starting-grant/>



**Nicolò Maccaferri,**  
Assistant Professor

**Umeå University**  
<https://www.umu.se/en/staff/nicolo-maccaferri/>

### ***“Femtosecond activation of Bloch plasmon polaritons in transient plasmonic grating-coupled hyperbolic metamaterials”***

In my group, we study fundamental aspects of light-matter interactions in materials and molecules by using frequency- and time-resolved (magneto-)optical spectroscopy, finite-element computational methods and bottom-up/top-down nanofabrication techniques. Our research is funded by Umeå University, the Swedish Research Council, the European Innovation Council, Kempe Stiftelserna, Wenner-Gren Foundations and the European Commission through the Marie Curie Fellowships program. We are also supported by the Knut and Alice Wallenberg Foundation through the Wallenberg Academy Fellow Programme and by the European Research Council through an ERC Starting Grant.

Experimental Condensed Matter Physics, Docent in Photonics and Materials Science, Group Leader and Wallenberg Academy Fellow at Umeå University | ERC Grantee | Member of the Young Academy of Europe

<https://www.linkedin.com/in/nicol%C3%B2-maccaferri-a5695533/>



**Matias Kagias,** Assistant  
Professor

**Lund University**  
<https://www.lunduniversity.lu.se/>

### ***TBD (3D nanofabrication and advanced X-ray characterization at 4th generation synchrotron sources)***

Matias Kagias joined Lund University as an assistant professor in 2023. His research is focused on developing and characterizing novel materials with structural control spanning several length scales. Specifically, he is interested in studying structure property relationships that arise in macroscopic materials due to nanoscale organizational control. The aim of his research is to enable materials with unprecedented properties that will contribute to sustainable development. He specializes in 3D nanofabrication and advanced X-ray characterization at 4th generation synchrotron sources. His research is currently funded by the Knut and Alice Wallenberg Foundation (KAW) through the WISE initiative.

<https://www.linkedin.com/in/matias-kagias-63557425/>