AGENDA

From Single Photons to Continuous Variables: 40 Years of Quantum Optics

Institut d'Optique, Palaiseau

June 4, 2026 — 8:30 AM–6:30 PM

A one-day event honoring **Philippe Grangier**, CNRS Research Director Emeritus, and his major contributions to quantum optics—from squeezed light and quantum non-demolition measurements to quantum communications and simulations.

Free registration (mandatory)

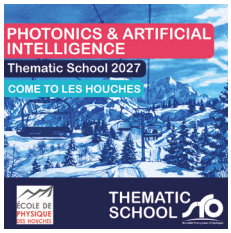
OPTIQUE BFC 2026

Dijon - Palais des congrès

06 - 10 july 2026

+ 670 participants expected

Register now
www.sfoptique.org



Photonics & Artificial Intelligence

The Houches Physics School, France

04 - 09 April 2027

70 attendees expected

Tour de France of Photonics at OPTIQUE BFC 2026

An initiative of the SFO Early-Career Researchers Club

From Bordeaux to Paris, from Nice to Rouen, and all the way to Dijon, French photonics unfolds as a scientific journey shaped by successive stages. On the occasion of OPTIQUE BFC 2026, the largest congress of the SFO, to be held in Dijon from July 6 to 10, the SFO Early-Career Researchers Club is launching a "Tour de France" initiative to highlight the diversity of actors, themes, and dynamics structuring the field today.

Through this initiative, the Club offers an original perspective on French photonics, structured around three complementary dimensions: territories, themes, and career paths.

Based on a series of interviews conducted during the congress, the project gives voice to researchers, academics, engineers, and industry representatives. Each contribution becomes a "stage," illustrating a field of expertise or a local ecosystem and contributing to a broader vision of the photonics landscape.

The initiative will culminate in a round-table discussion bringing together leading women researchers, offering a cross-cutting and dynamic perspective spanning fundamental science to industrial applications.

Held in Dijon in collaboration with ICB and Institut FEMTO-ST, the congress represents the point of convergence of this initiative, bringing together the different actors of the field in a shared space for exchange.

Through this "Tour de France," the SFO Early-Career Researchers Club aims to enhance the visibility of photonics and foster dialogue across generations, disciplines, and territories, and local innovation and research ecosystems. With our warmest thanks to the commitment of early-career researchers leading this initiative with creativity and strong community roots, led by Mathis Fauchart (IMASOLIA), Julien Guise (IES, University of Montpellier, CNRS), Rémi Kieber (Institut FEMTO-ST, Besançon), and Arnaud Rogemont (Institut Carnot de Bourgogne, Dijon).

Register now to take part in OPTIQUE BFC 2026 and join this collective journey across French photonics.

www.sfoptique.org

Training through Experimentation:

LumiForm and the Challenge MP

Through the 2026 Challenge in Physical Measurements (Challenge MP), the LumiForm programme highlights the already central, yet often implicit, role of photonics within Physical Measurements curricula. Here, these approaches are brought to the forefront as structuring elements, contributing to the recognition of photonics as a field in its own right.

Within this framework, as part of the LumiForm programme, the French Optical Society is developing a national initiative to strengthen and structure photonics training in France by connecting existing efforts and fostering new synergies between academia, research and industry.

Under the theme "Like a Taste of Summer", 15 student teams from across France and Québec gathered on March 20–21, 2026, at IUT Montpellier-Sète. The event illustrates a hands-on approach to learning, where students design and implement their own measurement systems.

Drawing on four key optical techniques, transmittance for syrup classification, refractometry for honey moisture, spectrophotometry for olive oil acidity, and light-beam interruption for counting objects, the projects illustrate both the diversity and the tangible nature of optical approaches to physical measurement.

To address these challenges, students relied on a broad set of photonic tools, lasers, LEDs, photodiodes and prisms, combining experimental approaches depending on the problem.

More than a competition, the Challenge acts as a revealer: it highlights pedagogical practices that are already widely implemented, while contributing to the structuring of photonics as a discipline in its own right. In this dynamic, the next edition of the Challenge MP will take place in 2027 at IUT de Schiltigheim, continuing to build momentum across the national network.

LUMIFORM is a national programme supported by the France 2030 plan (Skills and Occupations of the Future).

CONGRESS OF THE SFO
French optical society

July 06/10, 2026

OPTIQUE

BOURGOGNE FRANCHE COMTÉ

WELCOME TO DIJON, FRANCE

2026

www.sfoptique.org

Finland:
Optics & Photonics Days, OPD

Jyväskylä, 26-28 May 2026

Germany:
127th Annual Meeting of the DGaO

Hamburg, 26-30 May 2026

Italy:
Italian Conference on Optics and Photonics, ICOP

L'Aquila, 15-17 June 2026

France :
OPTIQUE BFC 2026

Dijon, 6-10 July 2026

Portugal:
7th International Conference on Application of Optics and Photonics, AOP

Lisbon, 7-10 July 2026

United Kingdom:
Photon 2026

Newcastle-upon-Tyne, 31 August – 3 September 2026

Sweden:
Optics & Photonics in Sweden 2026

Norrköping, 6-8 October 2026

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Join us at EOSAM 2026 in Tampere

EOSAM is attended by around 500 attendees each year, including top researchers, key leaders, students, and industry experts from over 30 countries all over the world.
Join and explore the latest topics and emerging trends featured at EOSAM. Register with an Early Bird Fee by 15 June 2026! We look forward to seeing you in Tampere, Finland, 24-28 August 2026!
EOSAM 2026 is organized by The European Optical Society, EOS, in close collaboration with Photonics Finland, Tampere University, and PREIN Flagship. More details available through the QR code.

A successful 360 CARLA Career Symposium & Training in Photonics in Grenoble!

Over two inspiring days, we brought together more than 150 participants, both online and on site, including students, researchers, and industry professionals, to explore careers, research, and the future of photonics. A highlight was the inspiring talk by Anne L'Huillier, Nobel Prize Laureate in Physics 2023.
Thank you to all speakers, participants, partners, and organizers for making this event a success. If you missed it, you can rewatch the symposium and tutorials on the @europeanopticalsociety YouTube channel.

EOS BOARD ELECTIONS 2026 ARE NOW OPEN!

All members of the European Optical Society are invited to take part in shaping the future of our community by voting in this year's Board of Directors elections. **Voting period: 20 April – 20 May 2026**

JEOS-RP
Journal of the EOS
European Optical Society

See the Latest **Flipbook**
July–December 2025

Building bridges between students and industry

On Wednesday, April 1, 2026, six partner companies — HGH, Thales, Pasqal, Exail, STMicroelectronics, and CEA DAM — joined students at the Institut d'Optique as part of the « Partenariat École », a partnership program between Institut d'Optique and key photonics companies.

The event opened with a conference in the auditorium, where each company introduced its environment, activities, and current projects, giving students valuable insight into the world of photonics, optics, and quantum technologies. The event continued with a networking village of booths set up in the lobby. Over a savory buffet and in a relaxed atmosphere, students had the chance to connect directly with company representatives, ask questions, and explore internship opportunities, projects, and potential career paths. These informal conversations created a real bridge between students and the professional world, helping them planning their future.
This event reflects the broader ambition of the « Partenariat École » program: to build stronger, more direct connections between Institut d'Optique engineering students and leading companies in photonics and quantum industries. By encouraging regular exchanges throughout the year, the program helps students better understand the diversity of careers available while giving companies the opportunity to meet and engage with future talent.

A PRESTIGIOUS CONFERENCE HONOURING PHILIPPE GRANGIER: REGISTRATIONS ARE OPEN !

After a career of more than forty years that has profoundly shaped quantum optics and technologies, Philippe Grangier, CNRS Research Director at Laboratoire Charles Fabry (Institut d'Optique, CNRS, Université Paris-Saclay) will be honored with a scientific event highlighting his career and major contributions.

This one-day conference, co-organized by Quantum-Saclay and Institut d'Optique, is entitled "**From Single Photons to Continuous Variables: 40 Years of Advances in Quantum Optics**" and will take place on **June 4th, 2026** at the Institut d'Optique (Paris-Saclay).
From his fundamental research on squeezed states of light and quantum non-demolition measurements to his groundbreaking innovations in quantum communication and quantum simulation, the conference will feature how Philippe Grangier's ideas continue to shape the future of the field.
Highlights of the program include an introductory lecture from Alain Aspect, an exploration of the connections between AI and scientific practices, and a session on the foundations of quantum mechanics.
The conference will also be live broadcasted all around the world on Institut d'Optique Youtube channel.
More information and free registration at: **grangier26.sciencesconf.org**

100%

participants in our training courses of Continuing Education are satisfied with the training content and would recommend it to their colleagues, 99% of them appreciate the teaching methods used and 96% are satisfied with the good balance between theoretical principles and practical application (exercises, experimental demonstrations). These excellent results encourage us to continue our efforts to offer high-quality professional training in the field of photonics.

AGENDA

- **Understand laser sources**
  June 01-05
- **Optomechanics**
  June 02-05
- **Introduction to quantum technologies: challenges and applications**
  June 03-05
- **Optical fibers and applications**
  June 08-12
- **Optical design with Zemax®-OpticStudio - Advanced**
  June 09-11
- **Optical design of IR imaging systems with Zemax®-OpticStudio - Advanced**
  June 09-11
- **Optoelectronics imaging systems**
  June 23-25

CONTACT

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Head of communication
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News

- NANO-PHOT people have taken part in the CNRS Summer School of the Nano-or GDR (https://ecole2026.sciencesconf.org/?lang=fr) and the EMP26 international conference dedicated to Energy, Materials and Photonics - https://evenium.events/emp26-paris-saclay/emp26-KBX6C NANO-PHOT sponsored EMP26

- Two important recently published articles presenting achievements of NANO-PHOT's students:
ACS Nano: M. Chen *et al. « Beyond Geometrical Symmetry: Revealing Near-Field Optical Chirality on Achiral Gold Nanoparticles under Linear Polarization Excitation"* https://pubs.acs.org/doi/abs/10.1021/acsnano.5c22237
Nano Letters: M. Dewynter *et al. "Broadening the Plasmonic Spectral Range of Metallic Metasurfaces Using Dual-Material Arrays"* https://pubs.acs.org/doi/abs/10.1021/acs.nanolett.5c05943

- Prof. Alexander Govorov from Ohio University visits UTT for 4 months during this academic year as part of the Fulbright program. He is hosted by NANO-PHOT

AGENDA

META 26, the 16th International Conference on Metamaterials, Photonic Crystals and Plasmonics
Dublin, Ireland,
14 - 17 July 2026

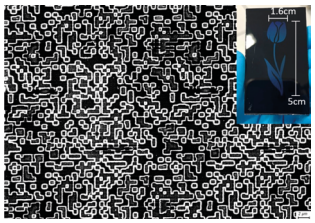
NFO18, the 18th International Conference on Near-Field Optics, Nanophotonics, and Related Techniques.
Brno, 31 August-3 September 2026 (https://nfo18.org/)

CONTACT
https://nano-phot.utt.fr/
nanophot@utt.fr

European Research Institute

During the week of the 16th March 2026 took place the EUT+ Week at Troyes. The EUT+ is the European University of Technology which is an alliance formed of 9 european universities: the Hochschule Darmstadt, University of Applied Sciences (Germany), Rīgas Tehniskā universitāte (Latvia), Technological University of Dublin (Ireland), Technical University of Sofia (Bulgaria), Cyprus University of Technology (Cyprus), Universidad Politécnica de Cartagena (Spain), Universitatea Tehnică din Cluj-Napoca (Roumania), Università degli studi di Cassino e del Lazio Meridionale (Italy) and the Université de technologie de Troyes (France) which is the coordinating university of this alliance. The EUT+ is getting structured to become a unique, single university with 9 different sites and within this structuration, research also needs to be structured. The alliance thus created a new 'tool' for doing research at the EU level via a European Research Institute or ERI. More specifically, the ERI EUTINN, for the EUT+ Institute of Nanomaterials & Nanotechnologies, has been officially recognised by the EUT+ in 2025. This new model for a future European research is based on 6 Research Streams: Nanomaterials, Nanotechnologies and sensors, Nanotechnologies for communication and information technologies, Nanotechnologies for energy applications, Nanomedicine & nanobiology, Nanomaterials & nanotechnologies: toxicology, pollution, food and agriculture. The NANO-PHOT graduate school is fully involved. More info here: **https://www.univ-tech.eu/eutinn**

MICROGRAPH AWARD 2026



Currently third-year PhD student within the NANOPHOT graduate school, Antoine Dussard is carrying out his CIFRE thesis between the Université de Technologie de Troyes at the laboratory L2n (Light, nanomaterials, nanotechnologies - UTT) and the company SURYS (IN GROUPE) within the framework of the joint laboratory In-Fine (Innovation center for industrial nanostructured foils), which focuses on the fabrication of large-scale nanostructures. Antoine had the opportunity to participate and win one of the prizes of the "Micrograph Award 2026" organized each year by the company Raith, a world leader in maskless nanofabrication systems. Antoine's thesis focuses on the development of large-scale 2.5D electron beam lithography, consisting in the fabrication of hierarchical structures over several square centimeters by electron beam lithography for the production of structural colors. Structural colors are generated by different physical mechanisms such as diffraction, resonance phenomena, cavities, waveguides, etc. Hierarchical structures (nanostructures on microstructures) make it possible to create colored animations, where the microstructures can selectively redirect the incident light which is colored thanks to the nanostructures. These effects can be observed in specular reflection, diffuse reflection or transmission.
The awarded design consists of a Tulip pattern, 5 cm high and 1.6 cm wide, fabricated using a Raith eLINE electron beam lithography system. This tulip is composed of structures producing structural colors, without the use of pigments. These patterns make it possible to obtain a first color in diffuse reflection, as well as a second one in specular reflection.
The elementary structure consists of a Fabry–Perot cavity, in which a fine control of the depth and the refractive index makes it possible to modify the optical path difference between the different interfaces, and consequently the interferometric conditions and the resulting colors.

Green Mantis: a European project to decarbonise industry

The ALPHA-RLH cluster has been selected as a laureate of the European Green Mantis project, dedicated to the energy transition and the decarbonisation of industry, within the framework of the second Euroclusters call for projects. This ambitious project brings together six European clusters (ALPHA-RLH, ITECAM, PRODUTECH, Confindustria Emilia Area Centro, SOLARTYS, Inteligentna Energija) to cover the entire value chain of the industrial manufacturing and energy sectors.

Green Mantis is developing a comprehensive innovation support scheme designed to help industrial and energy companies design and adopt new net-zero carbon technologies. Through cascade funding, the project will offer financial support for the development of innovative projects, fostering the emergence of green, scalable and replicable industrial solutions.

Photonics players will play a key role in this dynamic, contributing through breakthrough technologies to the control, optimisation and energy efficiency of industrial processes, thereby directly contributing to the decarbonisation of industry. With Green Mantis, ALPHA-RLH, acting as coordinator, reaffirms its leading role in sustainable industrial innovation in Europe.

Green Mantis has officially launched its 1st Open Call for SMEs, that will select 10 projects for EU manufacturing decarbonisation.

PLI CONFERENCES 2026

The PLI Conferences will take place on July 1–2, 2026 in Limoges, France. Organized by the Club Laser & Procédés (CLP), in partnership with ALPhANOV and with the support of ALPHA-RLH and the European Ceramic Center, the event will bring together key players in industrial laser processes.

Recognized as a reference meeting point for the international laser community, PLI Conferences offers a high-level program of expert talks showcasing the latest technological advances and industrial applications.

The 2026 edition will highlight key topics such as laser micromachining, laser welding, additive manufacturing, and process control, as well as laser safety, machine learning, and artificial intelligence.

In addition to the conference program, attendees will benefit from an exhibition area, networking sessions, a thematic panel discussion, a convivial evening event, company visits, and a poster session dedicated to PhD students.

PLI Conferences 2026 offers a unique opportunity to explore the latest innovations, exchange with industry leaders, and foster new collaborations.

Information and registration:
https://www.clp-laser.fr/fr/evenement/pli-conferences-2026

Learning Expedition to China

From March 17 to 26, 2026, ALPHA-RLH led a delegation of French companies to China. The mission began at the Laser World of Photonics China trade show in Shanghai, where several member companies showcased their innovations at the cluster's shared exhibition space.

Following the trade show, the delegation participated in a program of industrial visits and institutional meetings in various economic development zones: Suzhou, Shanghai, Mianyang and Chengdu, where a Franco-Chinese business park is located. These immersive experiences allowed the companies to explore local ecosystems and value chains.

Participants also took part in several matchmaking sessions, during which they were able to showcase their expertise, establish qualified contacts, and identify opportunities for technological or commercial collaboration in the medium term.

This mission fully illustrates ALPHA-RLH's role in supporting the international expansion of microbusinesses and Nouvelle-Aquitaine' SMEs: bringing stakeholders together, facilitating access to strategic markets, and fostering partnerships and business opportunities.

UPCOMING INTERNATIONAL EVENTS

- **3rd Photonics Talent International Summer School**
  June 15-19 in Bordeaux (France)
- **PLI Conferences**
  July 1-2 in Limoges (France)
- **EUROPHOTON**
  September 21-25 in Arcachon (France)

All events on www.alpha-rlh.com

NEW MEMBERS

Welcome to our new members!

Yotta has two goals: first, to create industrial jobs through economic development, and second, to reduce the carbon emissions of the industrial SMEs we support.

Heddenhain, develops and manufactures linear and angular measurement systems, rotary encoders, and CNC controls for all demanding positioning tasks. It also offers practical software solutions that enable end users to fully digitize their production ecosystem.

EPSA is a European leader specializing in performance. Recognized for its technical expertise and diverse range of business specialties, the EPSA Group helps its clients optimize their financial, operational, and sustainable results.

Latecoere supports the world's leading aircraft manufacturers and airlines from design through to production. As a century-old aerospace group, Latecoere invests in R&T and new technologies to ensure it can offer increasingly customized innovative solutions.

AGENDA

- **Photonics for visual health**
  May 29 2026 – Créteil
- **Photonics Tour**
  June 4 2026 – Paris
- **Webinar: Meeting with new members**
  June 2026 (tbc) – online
- **French Photonics Days**
  November 9-10 2026 – Grenoble

CONTACT PHOTONICS FRANCE
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www.photonics-france.org

Photonics France annual meeting

Photonics France held its Annual Meeting on April 3 at Bpifrance headquarters, followed by a public conference about major photonics projects.

The members of Photonics France met on April 3 for their annual meeting at Bpifrance headquarters in Paris. Bpifrance is France's public investment bank.

The Annual General Meeting is an important event for Photonics France, enabling members to validate the actions taken by the national board.

Photonics France has elected its new board of directors for a two-year term. Welcome to the new team: ALPhANOV (Benoît Appert-Collin), Bertin Technologies (Luc Renouil), ENSSAT (Thierry Chartier), EssilorLuxottica (Laurent Gatté), Exosens (Claire Valentin), Fiber Optics Group (Jean-François Vinchant), Lumibird (Sebastien Ranc), ONERA (Thierry Fusco), Oxxius (Thierry Georges), Safran (Thierry Dupoux), Thales (Franck Leibreich), Alpha-RLH (Yvan Martin), Club Laser et Procédés (John Lopez), Photonics Bretagne (Patrice Le Boudet), SFO (Francois Salin).

During the afternoon, conferences presented investment in photonics, featuring presentations by Bpifrance, Aster, Bloom Laser, Stifel, Yotta Capital, and Exosens.

PHOTONICS FOR VISUAL HEALTH

WITH ESSILORLUXOTTICA AND THE INSTITUT OF VISION

Photonics France, EssilorLuxottica and the Institut of vision are hosting a Business Meeting on May 29, 2026 on photonics for visual health at EssilorLuxottica's Research and Development Center in Créteil.

Photonics France, EssilorLuxottica and the Institute of vision are organising a business meeting focusing on photonics for visual health, with the support of the Photonics 4 Visual Health.

EssilorLuxottica is the world leader in the design, manufacture and distribution of ophthalmic lenses, frames and sunglasses, whilst pay particular attention on research and development.

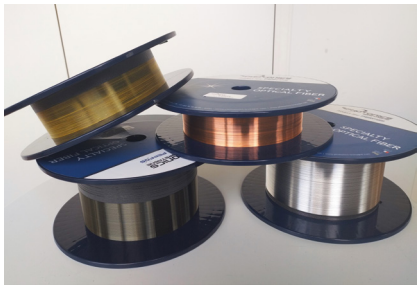
The Institute of vision, one of the world leaders in research into eye diseases, works on major public health challenges in ophthalmology and rare diseases, with the aim of bringing hope to all those affected by visual impairment. It brings together researchers, doctors, patients and partners under one roof.

Come and discover the needs of EssilorLuxottica and the Institute of vision in terms of photonics for visual health, and present your innovative solutions.

JTECH Photonics & Plants:
An Event Dedicated to Synergies Between Sectors

On 2nd April, Photonics Bretagne co-organised the JTECH Photonics & Plants with VEGEPOLYS VALLEY and CEVA at the Roullier World Innovation Centre (CMI) in Saint-Malo. Around forty participants attended this day dedicated to synergies between photonics, plants and algae. The event featured conferences, pitches, B2B meetings and tours of the Roullier CMI's greenhouse and laboratories, fostering discussion and the development of collaborations. It was a fruitful and highly appreciated event, illustrating the key role of photonics in innovation serving the life sciences sector.

Conclusion of the 3F2E Project:
French-Made Optical Fibres for Extreme Environments



Conducted and funded by "France Relance" between 2022 and 2025, the 3F2E project – French Fibre for Extreme Environments – aimed to develop specialised optical fibres with metallic coatings for extreme nuclear environments. The project successfully addressed several challenges: Photonics Bretagne mastered the microstructure of the coatings (particularly aluminium) in line with the requirements of EDF and TechnicAtome, whilst SEDI-ATI made progress on assembly and connectorisation. Four manufacturing processes were developed (aluminium, copper, carbon, polyimide), achieving a high level of industrial maturity. Already, 10 aluminium-coated fibre products are being marketed by Exail, featuring a germanium-doped core or a pure silica core optimised for radiation resistance. These results pave the way for a 100% Made in France supply chain, strengthening national autonomy and sovereignty over this strategic technology.

UCAIR:
A EUROPEAN INITIATIVE TO TRANSFORM CANCER DIAGNOSIS

uCAIR
Ultra-Fast Chemical Analysis Imaging With Raman

Led by the University of Limerick, the Horizon Europe uCAIR project – Ultra-fast Chemical Analysis Imaging with Raman – aims to develop a photonic technology for the early diagnosis of cancer. The aim is to provide an ultra-fast, real-time chemical imaging solution based on coherent Raman spectroscopy, enabling the identification of unlabelled biomarkers in biofluids and tissues, both ex vivo and in vivo. At their half-yearly meeting, the consortium partners were able to view an initial working prototype, as well as the first experimental results. Building on these results, the project is entering its second phase. Photonics Bretagne, in collaboration with FEMTO-ST (CNRS), will develop and manufacture a new all-solid-state optical fibre, intended for integration into the uCAIR device to accelerate analysis with a view to a future system suitable for medical use.

Global Industry:
The First Photonics Village Promotes Our Sector

This initiative by Photonics France brought together several key players from the photonics ecosystem, including booth shared by Photonics Bretagne, Oxxius and Arlumen, and alongside ALPhANOV, PYLA, OptoPartner and Photonics France. Combined with a series of conferences, the Photonics Village demonstrated the value of sharing spaces to enhance the sector's visibility and profile, thereby raising awareness of the industrial applications of technologies that are still too often overlooked by end-user sectors.

AGENDA

- **Photonics & Plants Workshop**
  26 May, online
- **Mobility & Photonics Meetup**
  28 May, Rennes
- **Annual General Meeting**
  26 June, Lannion
- **Photon2Startup Days**
  26-27-28 October, Lannion

Doctoral students (French and foreign) are invited to this unique 3-day, English-speaking event to present your research work and take part in an entrepreneurship workshop! The program also includes 1-to-1 meetings with CEOs and visits to companies and labs... All this in a friendly atmosphere overlooking the sea in Brittany! Info and registration: **photonics-bretagne.com/en/agenda/photonics-phd-days-2026/**