

**Optica Advanced Photonics Congress**  
**13 July–17 July 2025**  
**Marseille Chanot, Palais des Congrès et des Expositions,**  
**Marseille, France**  
**An in-person only event with on-demand content**  
**Central European Summer Time (UTC 02:00)**

## Agenda of Sessions — Sunday, 13 July

CEST (UTC 02:00)	
09:00–17:00	<b>Registration, Congres Foyer</b>
09:00–12:00	<b>Demystifying Machine Learning: Introduction to Machine Learning (Part I), Les Goudes 1</b>
10:00–12:00	<b>Workshop: Designing Foundry-Compatible Photonic Components and Circuits, Les Goudes 2</b>
13:00–16:00	<b>Workshop: What Makes Fiber Optic Sensing a Key Enabler for Smart and Sustainable Networks?, Les Goudes 2</b>
15:00–18:00	<b>Demystifying Machine Learning: Active Learning (Part II), Les Goudes 1</b>

### Key to Conference Abbreviations

- I = Integrated Photonics Research, Silicon and Nanophotonics (IPR)
- Ne = Photonic Networks and Devices (NETWORKS)
- No = Novel Optical Materials and Applications (NOMA)
- S = Solar, Lighting and Thermal Photonics (SOLITH)
- Sp = Signal Processing in Photonic Communications (SPPCom)
- J = Joint programming

**Schedule subject to change. Please check the Congress App for most current schedule.**

# Agenda of Sessions — Monday, 14 July

CEST (UTC 02:00)	Les Goudes 1	Callelonge Hall Tier	Sormiou	Les Goudes 2	Morgiou	Callelonge Hall Flat
	IPR	IPR	NETWORKS	NOMA	SOLITH	SPPCom
07:00–18:00	Registration, <i>Congres Foyer</i>					
09:00–10:30	JM1A • Introductory Remarks and Joint Plenary Session I, <i>Les Goudes 1</i>					
10:30–11:00	Coffee Break					
11:00–12:30	IM2A • LiNbO <sub>3</sub> Circuits	IM2B • Sensing	NeM2C • AI and ML in Optical Networks	NoM2D • Photonic Structure Design and Applications	SM2E • Radiative Cooling I	SpM2F • Spatial Division Multiplexing Transmission I
12:30–14:00	Congress Lunch					
12:45–13:45	Technical Group Event: Light Frontiers: The Future of Space Enabled by Photonics <i>RSVP required</i>					
14:00–16:00	IM3A • Microcombs	IM3B • Joint IPR and NOMA: Thin Films on Photonic Chips	NeM3C • QKD I	NoM3D • Novel Materials and Phenomena	SM3E • Thermophotovoltaics	SpM3F • Access Networks
16:00–20:00	Exhibit Hours, <i>Expo Reception Hall</i> Coffee Break with Exhibitors: 16:00–16:30 <i>Sponsored by American Elements</i>					
16:30–18:30	IM4A • Heterogeneous and Hybrid Integration	IM4B • Metasurfaces	NeM4C • Access Networks	NoM4D • Infrared Optics and Applications	SM4E • Thermal Photonics I	SpM4F • Machine Learning in Optical Communication I
18:30–20:00	Congress Reception <i>Separate registration required</i>					

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# Agenda of Sessions — Tuesday, 15 July

CEST (UTC 02:00)	Les Goudes 1	Callelonge Hall Tier	Sormiou	Les Goudes 2	Morgiou	Callelonge Hall Flat
	IPR	IPR	NETWORKS	NOMA	SOLITH	SPPCom
07:00–17:30	Registration, <i>Congres Foyer</i>					
09:00–10:30	ITu1A • Computational Methods	ITu1B • Photonics for Quantum Applications	NeTu1C • Energy Efficient Networking	NoTu1D • THz Sensing and Communication	STu1E • IRadiative Cooling II	SpTu1F • Quantum Communications
10:30–18:00	Exhibit Hours, <i>Expo Reception Hall</i> Coffee Break with Exhibitors: 10:30–11:00 <i>Sponsored by American Elements</i>					
11:00–12:30	ITu2A • LiNbO <sub>3</sub> and Other Chi(2) Materials	ITu2B • Metamaterials	NeTu2C • Optical Transmission	NoTu2D • Bioelectronics and Photostimulation	STu2E • Thermal Photonics II	SpTu2F • Next Generation Transmission Systems I
12:30–14:00	Lunch (on your own) <i>Please check the Congress App for nearby options</i>					
14:00–15:30	Industry Panel: The Space Optics Industry: Perspectives and Opportunities, <i>Les Goudes 2</i>					
15:30–17:00	JTU3A • Joint Poster Session, <i>Expo Reception Hall</i>					
17:00–18:30	Industry Panel: Silicon Photonics Manufacturing: Customer Requirements and Fab Readiness, <i>Les Goudes 2</i>					
18:30–19:30	Industry Engagement Event					

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# Agenda of Sessions — Wednesday, 16 July

CEST (UTC 02:00)	Les Goudes 1	Callelonge Hall Tier	Sormiou	Les Goudes 2	Morgiou	Callelonge Hall Flat
	IPR	SPPCom	NETWORKS	NOMA	SOLITH	SPPCom
07:00–17:30	Registration, <i>Congres Foyer</i>					
09:00–10:30	JW1A • Joint Plenary Session II, <i>Les Goudes 1</i>					
10:30–18:00	Exhibit Hours, <i>Expo Reception Hall</i> Coffee Break with Exhibitors: 10:30–11:00 <i>Sponsored by American Elements</i>					
11:00–12:30	IW2A • Switching Devices	SpW2B • Photonics for RF and Free Space Optical Communication	NeW2C • QKD II	NoW2D • Novel Fabrication Process and Materials for Nonlinear Applications	SW1E • Modelling	SpW2F • Passive Optical Networks
12:30–14:00	Lunch (on your own) <i>Please check the Congress App for nearby options</i>					
12:45–13:45	Technical Group Event: The Role of Optics in the Green Energy Economy <i>RSVP required</i>					
14:00–15:30	IW3A • Integration Platforms		NeW3B • Network Resilience	NoW3C • Multispectral Imaging	SW3D • Agriculture and Ellipsometry	SpW3E • Spatial Division Multiplexing Transmission II
15:30–16:00	Coffee Break with Exhibitors, <i>Expo Reception Hall</i> <i>Sponsored by American Elements</i>					
16:00–18:00	IW4A • Dispersion-engineered Systems		NeW4B • Network Transport	NoW4C • Advances in Glass Additive Manufacturing	SW4D • Photovoltaics	SpW4E • Sensing
19:00–21:00	Congress Banquet, <i>Pavillion Monticelli</i>					

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07:30–17:00	Registration, <i>Congres Foyer</i>					
09:00–10:30	ITh1A • Nonlinear Photonics I	ITh1B • Photonic Computing	NeTh1C • Optical Wireless Communications	NoTh1D • Novel Nanophotonic Materials and Applications	STh1E • Joint NOMA and SOLITH: Perovskites I	SpTh1F • FMachine Learning (ML) in Optical Communication II
10:30–16:30	Exhibit Hours, <i>Expo Reception Hall</i> Coffee Break with Exhibitors: 10:30–11:00 <i>Sponsored by American Elements</i>					
11:00–12:30	ITh2A • Nonlinear Photonics II	ITh2B • Out-of-chip Coupling	NeTh2C • Multi-Band Networks	NoTh2C • Biosensors and Diagnostics	STh2E • Joint NOMA and SOLITH: Photon Conversion and Luminescent Concentrators	SpTh2F • Next Generation Transmission Systems II
12:30–14:00	Lunch (on your own) <i>Please check the Congress App for nearby options</i>					
14:00–16:00	ITh3A • Passive Photonic Circuits	ITh3B • Active Components and Lasers		NoTh3C • Nanophotonic Characterisation	STh3D • Joint NOMA and SOLITH: Perovskites II	SpTh3E • Coding and Modulation for Optical Communications
16:00–16:30	Coffee Break with Exhibitors, <i>Expo Reception Hall</i> <i>Sponsored by American Elements</i>					
16:00–16:30	Student Awards and Joint Postdeadline Presentations Session, <i>Les Goudes 1</i>					

## Friday, 18 July

CEST (UTC 02:00)	
09:00–11:30	Institut Fresnel Lab Tour
09:00–11:30	LP3 Lab Tour

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