

Detailed Agenda
2024 Photonics Talent Summer School

Time	Monday 8 July, 2024	Time	Tuesday 9 July, 2024	Time	Wednesday 10 July, 2024	Time	Thursday 11 July, 2024	Time	Friday 12 July, 2024
Morning	Flying IN	08:45 - 09:15	Morning Coffee	09:00 - 09:30	Morning Coffee	09:00 - 09:30	Morning Coffee	09:00 - 09:30	Morning Coffee
		09:15 - 10:00	Nobel Prize Presentation Alain ASPECT	09:30 - 10:00	Introducing Session 3 Smart laser-based manufacturing and Industry 4.0 Chair : Marwan ABDOU AHMED	09:30 - 10:00	Introducing Session 4 Photonics for Quantum technologies and applications Chair : Germain GUIRAUD	09:30 - 10:00	Introducing Session 5 Attoscience : applications and challenges Chair : John LOPEZ
		10:00 - 10:30	Introducing Session 2 High-power laser Chair : Laura GEMINI		Presentation by ALPhANOV High throughput surface functionalisation: the Tresclean and Newskin Projects Laura GEMINI		Presentation by NAQUIDIS Photonics for Quantum Technologies : a 2024 technological overview Johan BOULLET		AMPLITUDE Presentation From Laser plasma acceleration to laser plasma accelerators Antoine COURJAUD
		10:30 - 11:00	Presentation by CEA Status of the LMJ-PETAL laser facility Kevin GAUDFRIN	10:00 - 10:30	Presentation by Fraunhofer IWS In-line Surface Metrology for Advanced Laser Processing: an overview Christopher TAUDT	10:00 - 10:30	Presentation by EXAIL Photonics : from research to industrial applications Ludovic FULOP	10:00 - 10:30	Presentation by King's College London Quantum path interferometry capturing attosecond electronic dynamics in matter Amelle ZAIR
		11:00 - 11:30	Coffee Break @IOA Hall & virtual reality workshop @IOA Cafeteria	10:30 - 11:00	Coffee Break @IOA Hall & virtual reality workshop @IOA Cafeteria	10:30 - 11:00	Coffee Break @IOA Hall & virtual reality workshop @IOA Cafeteria	10:30 - 11:00	Coffee Break @IOA Hall & virtual reality workshop @IOA Cafeteria
		11:30 - 12:00	Presentation by LP2N High-power ultrafast GHz laser sources : design and applications Eric CORMIER	11:00 - 11:30	R&D Presentation by CELIA Laser technologies for advanced manufacturing John LOPEZ	11:00 - 11:30	R&D Presentation by EXAIL Cold atom quantum sensors Vincent MENORET	11:00 - 11:30	R&D Presentation by AMPLITUDE oPCPA : optical Parametric Chirped Pulse Amplification Nicolas THIRE
		11:30 - 12:00	Presentation by CEA Development of source and amplifier for high power lasers Sébastien MONTANT	11:30 - 12:00	R&D Presentation by h-nu Machine learning applied to ultrafast laser process development Eric MOTTAY	11:30 - 12:00	R&D Presentation by PASQAL Photonics for quantum processors Adrien SIGNOLES	11:30 - 12:00	R&D Presentation by CELIA Recent applications of attosecond physics Valérie BLANCHET
12:00 - 13:00	Arrivals	12:00 - 13:00	Lunch Break @ IOA Cafeteria	12:00 - 13:00	Lunch Break @ IOA Cafeteria	12:00 - 13:00	Lunch Break @ IOA Hall	12:00 - 12:15	Closing 2024 Edition & Intro 2025 Summer School Laura GEMINI
								12:15 - 13:00	Last Lunch Break @ IOA Hall
13:00 - 14:00	Welcome Desk Resgitation of participants	13:00 - 15:15	ALPhANOV Visit	13:00 - 13:30	From ALPhANOV to TOPTICA	13:00 - 15:30	Poster Session @IOA Corridor & Virtual reality workshop @IOA Hall	Flying OUT	
14:00 - 14:15	Summer School Opening - Program of the week Laura GEMINI			13:30 - 15:00	TOPTICA Visit				
14:15 - 14:45	Introducing Session 1 Laser Source Developpement Chair : Laura GEMINI								
14:45 - 15:15	R&D Presentation by IFSW kW-Class thin-disk multipass amplifier for high-throughput laser-based manufacturing Marwan ABDOU AHMED								
15:15 - 15:30	R&D Presentation by LP2N Development of low noise single frequency high power fiber lasers Giorgio SANTARELLI			15:00 - 15:30	Coffee Break @ Amplitude				
15:30 - 16:00	Coffee Break @ IOA Hall	15:20 - 15:45	From ALPhANOV to EXAIL	15:30 - 16:00	Coffee Break @ IOA Hall				
16:00 - 16:30	Chair : Clemens HÖNNINGER Presentation by TOPTICA Product life cycle Germain GUIRAUD	15:45 - 16:00	Coffee Break @ Exail	16:00 - 17:15	EXAIL Visit	16:00 - 17:30	Job Fair @ IOA Hall		
16:30 - 17:00	R&D Presentation by AMPLITUDE kW-level femtosecond lasers for large surface applications Julien POLYSEGUR	16:00 - 17:15		17:00 - 17:15	Back to Talence	17:00 - 17:15	Back to Talence		
17:00 - 17:15	R&D Presentation by ALPhANOV Custom laser development at ALPhANOV Marc CASTAING	17:15 - 17:45		17:30	End of day 2	17:30	End of day 3		
17:30	Closing Remarks Day 1 Laura GEMINI	17:45	End of day 2	17:30	End of day 3	17:30 - 19:30	Free Time		
	End of day 1					19:30 - 00:30	Social Event @ Mama Shelter (Limited number of places)		

All presentations will take place in the IOA amphitheatre