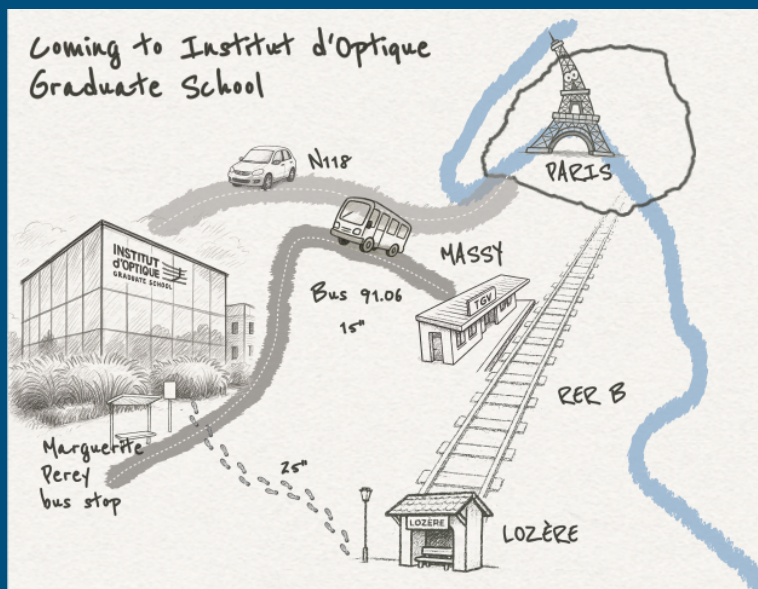
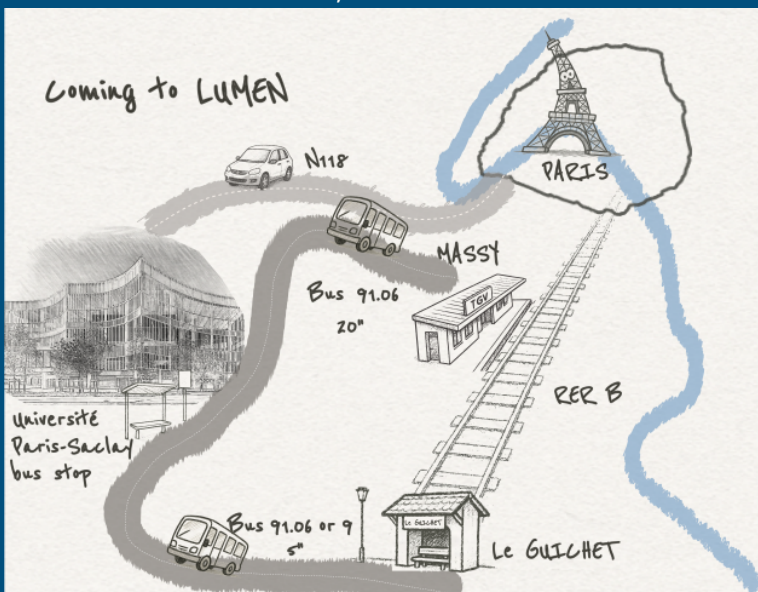


18th of June at Institut d'Optique Graduate School
2 avenue Augustin Fresnel, Palaiseau



19th of June at Lumen Learning Center - Université Paris-Saclay
8 avenue des Sciences, Gif-sur-Yvette



Quantum PhD-Days 2025



18th of June at Institut d'Optique Graduate School
19th of June at Lumen Paris-Saclay

In partnership with

Wednesday 18th of June

8h30 — Welcome at Institut d'Optique Graduate School

9h00 — Rémi Carminati (*introduction*)

9h15 — Sylvie Retailleau (*presentation of the french ecosystem*)

9h30 — Philippe Bouyer (*presentation of the dutch ecosystem*)

9h45 — Thibault Delarue, Laboratoire Aimé Cotton
Ultracold coherent control of molecular collisions at a Förster resonance

10h15 — Hector Brunel, LKB (Sorbonne Université)
Generation and characterization of non-Gaussian states



Coffee break

11h15 — Mohamed Meguebel, Télécom Paris
Generation of frequency entanglement with a quantum dot-waveguide system

11h45 — Helio Huet, C2N (Université Paris-Saclay)
Deterministic and reconfigurable graph state generation with a single quantum emitter

12h15 — Emilio Annoni, Quandelà & C2N (Université Paris-Saclay)
Distinguishability tomography of multiple interfering photons



Lunch break



14h00 — Samuel Oslovich, QuTech, Delft University of Technology
Executing and Compiling Programs on Quantum Network Nodes

14h30 — Zeynab Kaseb, Technische Universiteit Delft
Solving Power System Problems using Adiabatic Quantum Computing

15h00 — Soubhadra Maiti, QuTech, Delft University of Technology
Requirements for Teleportation in an Intercity Quantum Network



Coffee break

16h00 — Bethany Terris, CEA, LARSIM
Solving the Problem of Empirical Confirmation: Persistence and Identity in Relational Quantum Mechanics

16h30 — Alain Aspect

17h30 — Poster session



19h00 — Conference dinner at Living Room restaurant

Thursday 19th of June

8h30 — Welcome at Lumen Paris-Saclay

9h00 — Aurore Young, LKB (Collège de France)
Quantum simulations with circular Rydberg atoms

9h30 — Sarah Darmon, ONERA
Development of an airborne cold atom gravimeter

10h00 — Tien Nguyen Dinh, LPMC, Polytechnique
Error-protected qubit based on pinhole Josephson junctions



Coffee break

11h00 — Zarije Ademi, QuTech, Delft University of Technology
Shared-control shuttling link between distant germanium spin qubit registers

11h30 — Kenji Capannelli, QuTech, Kavli Institute of Nanoscience
Tracking spin qubit variations over 912 days

12h00 — Edmondo Valvo, TuDelft, QuTech
Efficient Microscopic Modelling of Hole Spin Qubits



Lunch break



13h30 — Poster session



14h30 — Nehal Mittal, LKB (Collège de France)
Observing topological phase transition on an ultracold atomic experiment

15h00 — Hoa Mai Quach, LCF (Université Paris-Saclay)
Ultracold atoms in strong disorder: A direct measurement of the Anderson transition

15h30 — Jil Hameury, LKB (Sorbonne Université)
Phase transitions and dimensionality in polariton fluids

16h00 — Conclusion

16h15 — Lab tour

