



# Quantum-Saclay Day

October 3<sup>rd</sup>, 2023  
ENS Paris-Saclay

09h00-09h15	<i>Welcome coffee</i>	
09h15-09h30	welcome speech	Philippe Maitre, VP recherche ENS Paris-Saclay.
09h15-10h00	Quantum Saclay Presentation: Mission and Activities	Jean-François Roch, Lumin
	QuanTEDu France project, UPSaclay	Marino Marsi, LPS
	QuanTEDu France project ,IPP	Laurent Sanchez-Palencia, CPHT
10h00-10h05	Presenting the France-Canadian network	Veronique Brouet, LPS
10h05-10h35	Expanding the boundaries of quantum simulation with machine learning	Filippo Vicentini, CPhT
10h35-11h00	<i>Coffee Break</i>	
11h00-11h30	Ultracold molecules: control and applications	Goulven QUEMENER, LAC
11h30-12h00	Single electron spin resonance by microwave photon counting	Emmanuel Flurin, CEA
12h00-12h30	Quantum advantage: The importance of classical tools	Thomas AYRAL, Eviden
12h30-14h00	<i>Lunch and Poster Session</i>	
14h00-14h30	Quantum cellular automata: structure, universality, applications to quantum simulation	Pablo Arrighi, LMF
14h30-15h00	The revival of quantum communications	Thierry Debuisschert, Thales Research & Technology
15h00-15h30	"Handling single photons from semiconductors : "Many" photons or modes at your fingertips"	Nadia Belabas, C2N
15h30-16h00	<i>Coffee Break</i>	
16h00-16h30	Quantum Computing @ CEA LIST: Leveraging today's NISQ computers and paving the way towards FTQC."	Tanguy Sassolas, CEA LIST
16h30-17h30	2nd Poster Session	
17h30-18h00	<i>Perspectives, Discussion, conclusion and poster awards</i>	