

Foundations of Quantum Computing

2–4 September 2026 · UCL School of Management, London

Day 1 — Wed 2 Sep		ACADEMIC
10.00–10.45	Gerard Milburn · STFC The Irony Trap Quantum Computer	FOUNDATIONS
10.45–11.30	Léo Monbroussou · Edinburgh Subspace-Preserving Quantum Machine Learning	MACHINE LEARNING
11.30–12.00	Coffee break	
12.00–12.30	Lightning talk session 1	
12.30–14.00	Lunch	
14.00–14.45	Alexandru Baltag & Sonja Smets · Amsterdam JOINT Reasoning about Knowledge in the Quantum Domain	QUANTUM LOGIC
14.45–15.30	Invited talk — to be confirmed	
15.30–16.00	Coffee break — early finish	
17.00 / 18.00	Inaugural Lecture (Bloomsbury) · Conference Dinner	

Day 2 — Thu 3 Sep		ACADEMIC
10.00–10.45	Hilbert Kappen · Radboud / Flatiron Approximate inference for tensor networks using Generalized Belief Propagation	TENSOR NETWORKS
10.45–11.30	Andrew Green · UCL Tensor Networks for Quantum Software and Simulation	TENSOR NETWORKS
11.30–12.00	Coffee break	
12.00–12.30	Lightning talk session 2	
12.30–14.00	Lunch	
14.00–14.45	Bas Spitters · Aarhus Verifying categorical quantum computation	CATEGORICAL QC
14.45–15.30	Martha Lewis · Amsterdam Quantum-inspired Techniques for Compositional Generalization in Modelling Language and Vision	CATEGORICAL QC
15.30–16.00	Coffee break	
16.00–17.00	Lightning talk session 3	

Day 3 — Fri 4 Sep		INDUSTRY
10.00–10.20	Oleksiy Kondratyev · SW7 / Imperial Practical Applications of Quantum Machine Learning in Finance	FINANCE
10.20–10.40	Fern Watson & Charlie Markham · FCA JOINT Quantum Computing Applications in Financial Services	FINANCE
10.40–11.00	Q&A / buffer	
11.00–11.30	Coffee break	
11.30–11.50	Christoph Gorgulla & Mohammad Ghazi Vakili · St. Jude / QC Ware JOINT Title TBC	DRUG DISCOVERY
11.50–12.10	Guillermo García-Pérez · Algorithmiq Quantum-Enabled Cancer Drug Discovery & Development	DRUG DISCOVERY
12.10–12.30	Q&A / buffer	
12.30–14.00	Lunch & poster session	
14.00–14.20	Esperanza Cuenca-Gómez · NVIDIA Accelerated Quantum Supercomputing	MAKING PRACTICAL
14.20–14.40	Alexis Ralli & Tim Weaving · QMatter JOINT Practical Quantum Computing: Compression, Co-Design, and a Path to Useful Applications	MAKING PRACTICAL
14.40–15.00	Q&A / buffer	
15.00–17.00	Coffee & poster networking	
17.00–18.00	Goodbye drinks (if funds)	