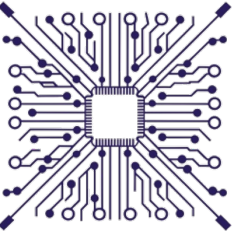


Summer School on New Directions in Quantum Computing

Measurement-Based Computing, Quantum Machine Learning and Quantum Reservoir Computing

Eötvös Loránd University, Pázmány Péter sétány 1/A, 1117 Budapest.



	Tuesday June 2, 2026	Wednesday June 3, 2026	Thursday June 4, 2026
	ELTE TTK - room 7.20	ELTE TTK - room 7.20	ELTE TTK - room 100B
9:00	Registration		
9:15	Opening		
9:30	Emmanuel Rousseau - Machine learning and the reservoir computing framework	Gerard McCaul - The laws of learning	János Asbóth - Measurement-based quantum computing II.
9:45			
10:00			
10:15			
10:30			
10:45	Coffee break	Coffee break	Coffee break
11:00	Emmanuel Rousseau - Estimation and generalization in the reservoir computing framework	Alexander Balanov - Classical reservoir computing	Wendy Otieno - Financial Forecasting with Hamiltonian-Encoded QRC
11:15			
11:30			Weismüller Roland - A Minimal Single-Qubit Quantum Reservoir for Function Reconstruction
11:45			
12:00			
12:15	Lunch	Lunch	Sandwich Lunch
12:30			
12:45			
13:00			
13:15			
13:30	Bence Bakó - Quantum machine learning I.	Alexandre Zagoskin - Quantum reservoir computing	Viktor Ivády - How to anneal quantum snakes for weather forecasting?
13:45			
14:00			Break
14:15			
14:30			
14:45	Bence Bakó - Quantum machine learning II.	János Asbóth - Measurement-based quantum computing I.	Free time discussion
15:00			
15:15			
15:30			
15:45			
16:00	Zoltan Kolarovszki - Generative modeling with Gaussian Boson Sampling: classically trainable Bosonic Born Machines	Alena Romanova - Measurement-based and blind quantum computing with qudits	
...			
19:00		Gala Dinner at A38	