

ICE-10: Quantum Information in Spain

Tuesday 21 October 2025

Second Day: Invited talk - Auditorio Joan Plaça (9:30-10:00)

time	[id]	title	presenter
9:30	[299]	Invited talk: Joint (quantum) measurements on distant physical systems	POZAS-KERSTJENS, Alex

Second Day: Contributed talks - Auditorio Joan Plaça (10:00-11:00)

time	[id]	title	presenter
10:00	[300]	Thermodynamic approach to quantifying incompatible instruments	HSIEH, Chung-Yun
10:20	[301]	Learning from the unknown: Universal Quantum State Discrimination	LLORENS, Santiago
10:40	[303]	Analyzing resources for multi-parameter estimation of unitaries	VITAGLIANO, Giuseppe

Second Day: Contributed talks - Auditorio Joan Plaça (11:30-13:10)

time	[id]	title	presenter
11:30	[304]	Symmetries and incompatibility in global multiparameter quantum metrology	Dr. RUBIO, Jesús
11:50	[305]	Critical Parametric Quantum Sensing - Theory and Experiment	FELICETTI, Simone
12:10	[306]	Entanglement Generation in Parallel NV Centers for Enhanced Quantum Sensing	MORILLAS-ROZAS, Marcel
12:30	[307]	Quantum metrology through spectral measurements in quantum optics	VIVAS-VIAÑA, Alejandro

Second Day: Invited talk - Auditorio Joan Plaça (15:00-15:30)

time	[id]	title	presenter
15:00	[308]	Invited talk: Quantum Computing with Silicon Spin Qubits: Scalability and Quantum Algorithm Perspective	BLOKHINA, Elena

Second Day: Contributed talks - Auditorio Joan Plaça (15:30-16:50)

time	[id]	title	presenter
15:30	[309]	Quantum reservoir computing using spin-boson system	DAS, Sreetama
15:50	[310]	Optimal quantum transport on a ring via locally monitored chiral quantum walks	FINOCCHIARO, Sara
16:10	[311]	Towards Continuous-Variable Quantum Convolutional Networks for Biomedical Imaging	LOPEZ, Daniel
16:30	[312]	Quantum batteries and quantum phase transitions	GRAZI, Riccardo