

All-Island Quantum Festival @ UCD

Time	Topic/Session	Presenter
THURSDAY 29th September		
09.45-10.15	Arrival, Registration, coffee, Welcome	
SESSION 1 Short Selected Talks+Posters 1:		
10.15-10.30	Entropy production at zero temperature and current fluctuations in quantum phase transitions	Michael Kewming
10.30-10.45	Quantum heat engine based on a spin-orbit and Zeeman-coupled Bose-Einstein condensate	Jing Li
10.45-11.00	Quantum Thermodynamics of Linear Polarizers	Max Aifer
11.00-11.15	Markovian Feedback Quantum Engine powered by STA	Manuel Odelli
11.15-11.30	Optimal quantum control via genetic algorithms for quantum state engineering	Johnny Brown
11.30 - 11.45 SHORT BREAK		
11.45-12.00	Multiple Impurity Probing of 1D Fermi Gases	Sindre Brattegard
12.00-12.15	Thermal transitions in Dense Two-Colour QCD	Dale Lawlor
12.15-12.30	Quantum Network Emulation: Importance and Challenges	Anuj Agrawal
Lunch 12.30 - 14.00 -- Lunch in UCD Club + poster set up and networking		
SESSION 2 Careers in and outside academia: talks by fellows, industry, and careers officers		
14.00-14.20	Careers Advice	Tara Hughes, UCD
14.20-14.40	DORA Academic CVs	Laura Quinn, SFI
14.40-15.00	Academic Careers	
15.00-15.20	Riverlane	Brendan Reid
15.20-15.40	IBM-Q	Niall Robertson
15.30-16.00	Questions	-
16.00 - 18.30 Posters + Buffet food in Outside Moore Lecture Theatre O'Brien Centre for Science		
19.00 - 21.00 Public Lecture by Eleni Diamanti @Moore Lecture Theatre (Drinks reception @ 6.30pm)		
Friday 30th September		
SESSION 3: Short Selected Talks + Posters 2		
10.00-10.15	Non-Gaussian work distribution when crossing a critical point at finite time	Krissia Zawadzki
10.15-10.30	Topologically Induced Liouvillian Gap	Kevin Kavanagh
10.30-10.45	Thermodynamic analysis of polariton Bose-Einstein condensation	Luisa Tude
10.45-11.00	Signatures of chaos in an out-of-time-order-tensor	Magdalini Zonnios
11.00-11.15	CHSH game with 3 players in a triangle	Victoria Sánchez Muñoz
11.15 - 11.45 SHORT BREAK		
11.45-12.00	Fisher Information for Correlated Stochastic Processes	Marco Radaelli
12.00-12.15	Atmospheric Channel Simulator for Quantum Communication via a Satellite Network	Naga Lakshmi Anipeddi
12.15-12.30	DFT Simulation of an Organic Molecule Adsorption on a Ferroelectric Perovskite Substrate	Matthew Diskin
12.30-12.45	Towards the experimental realisation of a photonic cluster state with site-controlled GaAs QDs	Francesco Mattana
Lunch 12.45 - 13.30 -- Lunch in UCD Club		
13.30pm - Posters Outside Moore Lecture Theatre O'Brien Centre for Science		