Workshop: Quantum Information in Scotland 2018a

Organised by the QUISCO Network

January 30th, School of Informatics University of Edinburgh

Programme

09:45 - 10:00 Arriving
10:00 – 10:10 Opening Remarks

10:10 – 10:40 Chris Heunen (Edinburgh)
"How to realise arbitrary (in)compatibilities with quantum observables"

10:40 – 11:10 Kieran Flatt (Glasgow)
"Gleason-Busch theorem for sequential measurements"

11:10 – 11:25 Coffee Break

11:25 – 11:55 Marco Piani (Strathclyde)
"A formalism for steering with local quantum measurements"

11:55 – 12:25 Andru Gheorghiu (Edinburgh)
"On the implausibility of classical client blind quantum computing"

12:25 – 12:45 Discussion about QUISCO

12:45 – 14:15 Lunch Break

14:15 – 14:45 Cristian Bonato (Heriot Watt)
"Bayesian estimation for quantum sensing"

14:45 – 15:15 Tom Douce (Edinburgh)
"Quantum advantage and fault tolerant quantum computing in continuous variables"

15:15 – 15:30 Coffee Break

15:30 – 16:00 Aidan Strathearn (St. Andrews)
"Efficient non-Markovian quantum dynamics using time-evolving matrix product operators"

16:00 – 16:30 Jacopo Surace (Strathclyde)
"Local out-of-equilibrium dynamics of many-body quantum systems"

16:30 – 16:40 Closing Remarks

16:40 – onwards Drinks at a Local Pub!