



### Wednesday 8 January

13.30–14.30 Michela Ottobre (Heriot–Watt University)

*Uniform in time approximations of stochastic differential equations*

14.30–15.15 George Liddle (Lancaster University)

*Scaling limits & fluctuations for random growth under capacity rescaling*

15.15–15.45 Tea & Coffee

15.45–16.45 Tadahiro Oh (University of Edinburgh)

*On singular stochastic wave equations*

### Thursday 9 January

09.30–10.30 Robert Gaunt (University of Manchester)

*Compound Poisson approximation of subgraph counts in stochastic block models*

10.30–11.00 Tea & Coffee

11.00–12.00 Yi Zhang (University of Liverpool)

*Optimal impulse control of dynamical systems & Markov pure jump processes*

12.00–13.30 Lunch

13.30–14.15 Ana Fernandez Vidal (Heriot-Watt University)

*Maximum likelihood estimation of regularisation parameters in high-dimensional inverse problems: an empirical Bayesian approach*

14.15–15.15 Heng Guo (University of Edinburgh)

*Modified log-Sobolev inequalities for strongly log-concave distributions*

**Registration:** Attendance is free, but registration is required for catering purposes.

Please contact Hugo Lo: [c.lo@ed.ac.uk](mailto:c.lo@ed.ac.uk).

**Mailing List:** For announcements of future PiNE events, please send an email to [listserv@jiscmail.ac.uk](mailto:listserv@jiscmail.ac.uk) formatted with blank subject and with message body containing SUBSCRIBE PINE Firstname Lastname.