North–East and Midlands Stochastic Analysis Seminar

Organisers: Z. Brzeźniak (York), H. Boedihardjo, K. D. Elworthy and R. Tribe (Warwick),
C. Feng and H.Z. Zhao (Durham), M. Gubinelli and Z. Qian (Oxford)

Monday September 25th 2023

13:30–14:30	Stefano Olla, Université Paris Dauphine Non-linear fluctuations of phonon modes in randomly perturbed dynamics of anharmonic chain of oscillator
14:30–15:30	Justin Forlano, University of Edinburgh Global well-posedness and quasi-invariance of Gaussian measures for fractional nonlinear Schrödinger equation
15:30–16:00	Tea and coffee break, Kloppenburg Room
16:00–17:00	Giuseppe Cannizzaro, University of Warwick Weakly self-repelling diffusion in the critical dimension
17:00–18:00	Christoph Reisinger, University of Oxford Randomness and early termination: what makes a game exciting?

Tuesday September 26th 2023

9:30–10:30	Grigorios Pavliotis, Imperial College London Phase transitions, logarithmic Sobolev inequalities, and uniform-in-time propagation of chaos for weakly interacting diffusions
10:30–11:00	Tea and coffee break, Kloppenburg Room
11:00–12:00	Jiawei Li, University of Edinburgh On distributions of random velocity and vorticity fields in turbulent flows
12:30–13:30	Lunch break
13:30–14:30	Konstantinos Dareiotis, University of Leeds Regularisation by noise in rough differential equations
14:30–15:30	Luca Fresta, University of Bonn Stochastic analysis of Euclidean Fermions
15:30–16:30	James Foster, University of Bath High order numerical methods for SDEs
16:30–16:45	Closing remarks

All speaker sessions will be held in the Fitzhugh Auditorium, Cohen Quad Site,
Exeter College, University of Oxford (directions)