

# The many facets of Kinetic Theory

Monday 23 – Friday 27 September 2024

*The programme is subject to change. All times are British Summer Time (BST).*

Monday 23 September 2024	
10.15 – 11.00	Registration and Refreshments
11.00 - 11.15	Welcome and Housekeeping
11.15 - 12.00	<b>Alexandra Holzinger</b> , University of Oxford <i>Fluctuations around the mean-field limit for moderate interactions and sub-coulomb potentials</i>
12.00 - 13.45	Lunch
13.45 - 14.30	<b>Tobias Wöhrer</b> , TU Munich <i>Global stability for McKean-Vlasov equations on large networks</i>
14.30 - 15.15	<b>Jessica Guerand</b> , Université de Montpellier <i>Gehring's Lemma for kinetic Fokker-Planck equations</i>
15.15 - 15.45	Coffee Break
15.45 - 16.30	<b>Emeric Bouin</b> , Université Paris Dauphine <i>Half space decay for linear kinetic equations</i>
16.30 - 17.15	<b>Lucas Ertzbischoff</b> , Université Paris-Dauphine <i>Multiphasic representation in kinetic theory</i>
17.15 - 19.00	Welcome Reception & Poster Session

Tuesday 24 September 2024	
09.30 - 10.30	<b>Maria Pia Gualdani</b> , University of Texas at Austin <i>Talk Title TBC Part 1</i>
10.30 - 11.00	Coffee Break
11.00 - 12.00	<b>Maria Pia Gualdani</b> , University of Texas at Austin <i>Talk Title TBC Part 2</i>
12.00 - 13.15	Lunch
13.15 - 14.15	<b>Laurent Desvillettes</b> , Université Paris Cité <i>About Landau and Landau Fermi Dirac operators</i>
14.15 onwards	Visit to Maxwell House, 14 India Street, Edinburgh Free afternoon

Wednesday 25 September 2024	
09.30 - 10.30	<b>Lorenzo Pareschi</b> , Heriot Watt University <i>Kinetic equations in global optimization and applications Part 1</i>
10.30 - 11.00	Coffee Break
11.00 - 12.00	<b>Lorenzo Pareschi</b> , Heriot Watt University <i>Kinetic equations in global optimization and applications Part 2</i>
12.00 - 13.30	Lunch
13.30 - 14.15	<b>Maxime Herda</b> , University of Lille <i>Long-time behavior for Vlasov-Fokker-Planck with general potentials</i>
14.15 - 15.00	<b>Nathalie Ayi</b> , Sorbonne Université <i>Large Population Limit for Interacting Particle Systems on Weighted Graphs</i>
15.00 - 15.30	Coffee Break
15.30 - 16.15	<b>Niccolò Tassi</b> , Universidad de Granada <i>Talk Title TBC</i>

Thursday 26 September 2024	
09.30 - 10.30	<b>Gabriel Stoltz</b> , Ecole des Ponts and Inria Paris <i>Computational statistical physics and hypocoercivity Part 1</i>
10.30 - 11.00	Coffee Break
11.00 - 12.00	<b>Gabriel Stoltz</b> , Ecole des Ponts and Inria Paris <i>Computational statistical physics and hypocoercivity Part 2</i>
12.00 - 13.30	Lunch
13.30 - 14.30	<b>Mario Pulvirenti</b> , Universita' di Roma Sapienza <i>On the quantum Boltzmann equation</i>
14.30 - 15.15	<b>Amélie Loher</b> , University of Cambridge <i>Talk Title TBC</i>
15.15 - 15.45	Coffee Break
15.45 - 16.30	<b>Helge Dietert</b> , Université Paris Cité <i>Nonlinearity stability of active suspension model</i>
18.30 onwards	<b>Workshop Dinner</b> , hosted at Playfair Library <i>Old College South Bridge, Edinburgh, EH8 9YL</i>

Friday 27 September 2024	
09.30 - 10.30	<b>Marjolaine Puel</b> , Cergy Paris University <i>Fractional diffusion for kinetic equations</i>
10.30 - 11.00	Coffee Break
11.00 - 11.45	<b>Laura Kanzler</b> , Université Paris Dauphine <i>Quantitative Fluid Approximation for Heavy Tailed Kinetic Equations</i>
11.45 - 12.30	<b>Megan Griffin-Pickering</b> , University College London <i>Talk Title TBC</i>
12.30	Closing words & Lunch