

**Week 1****September 19 - 23, 2022****of the Thematic Programme on****“Large Deviations, Extremes and Anomalous Transport in Non-equilibrium Systems”****September 19 - October 14, 2022****organized by****Christoph Dellago (U Vienna), Satya Majumdar (U Paris Sud, Orsay), David Mukamel (Weizmann Institute, Rehovot), Harald Posch (U Vienna), Gregory Schehr (U Paris Sud, Orsay)****• Monday, September 19th, 2022**09:00 – 15:00 **Registration**15:00 – 16:00 **Sanjib Sabhapandit (RRI, Bangalore)***Direction reversing active Brownian particle***• Tuesday, September 20th, 2022**10:00 – 11:00 **Rosemary Harris (QMU London)***Insights from non-Markovian random walks*15:00 – 16:00 **Baruch Meerson (HU Jerusalem)***Negative autocorrelations of disorder potential strongly suppress thermally activated particle motion***• Wednesday, September 21st, 2022**10:00 – 11:00 **Anupam Kundu (TIFR, Bangalore)***Super-diffusion and crossover from diffusive to anomalous transport in a 1d system*15:00 – 16:00 **Francesco Mori (U Paris-Saclay)***The run-and-tumble particle: from universal properties to nonequilibrium phase transitions***• Thursday, September 22nd, 2022**10:00 – 11:00 **Omer Granek (Technion Haifa)***The Anomalous Transport of Tracers in Active Baths*15:00 – 16:00 **Bertrand Lacroix-A-Chez-Toine (King's College London)***Survival probability and record statistics for random walks***• Friday, September 23rd, 2022**10:00 – 11:00 **Vivien Lecomte (U Grenoble Alpes)***Geometry of nonequilibrium reaction networks*15:00 – 16:00 **Trevor GrandPre (Princeton U)***Entropy production fluctuations encode collective behavior in active matter***All talks take place at ESI Boltzmann Lecture Hall! Wearing an FFP2 mask is mandatory!**