Workshop: Challenges of predicting critical transitions in natural systems

Thursday, 7 December 2023

Contributed talks: John Slattery (Cambridge/BAS) - Searching for EWS in model simulations of DO events - Reed Hall (13:45 - 14:05)

Contributed talks: Ivan Sudakow (Open University) - Classification of Major Concepts of Mass Extinctions Based on Large Deviation Theory - Reed Hall (14:05 - 14:25)

Contributed talks: Mark Williamson (Exeter) - Early warnings of the transition to a superrotating atmospheric state - Reed Hall (14:25 - 14:45)

Contributed talks: Raphael Roemer (Exeter) - Characterising Edge States: Measures on chaotic saddles - Reed Hall (16:15 - 16:35)

Contributed talks: Frank Kwasniok (Exeter) - Data-driven anticipation and prediction of critical transitions using non-autonomous dynamical modelling - Reed Hall (16:35 - 16:55)

Contributed talks: Andreas Morr (TU Munich) - Anticipating critical transitions in multi-dimensional systems driven by time and state-dependent noise - Reed Hall (16:55 - 17:15)

Friday, 8 December 2023

Contributed talks: Henrik Jensen (Imperial College London) - Forecasting transitions in high dimensional stochastic systems - Reed Hall (10:00 - 10:20)

Contributed talks: Paolo Bernuzzi (TU Munich) - Scaling laws of Early-Warning Signs for SPDEs and Climate Systems - Reed Hall (10:20 - 10:40)

Contributed talks: Gianmarco del Sarto (SNS) - Early warning indicators for a spatially heterogeneous one-dimensional energy balance model - Reed Hall (11:10 - 11:30)