Session Program

7–8 Dec 2023

Workshop: Challenges of predicting critical transitions in natural systems

Contributed talks

University of Exeter Streatham (main) campus, Reed Hall
Exeter, United Kingdom

Thursday 7 December

13:45

14:05

Contributed talks: John Slattery (Cambridge/BAS) - Searching for EWS in model simulations of DO events
Session | **Location:** University of Exeter Streatham (main) campus, Reed Hall, Exeter, United Kingdom

14:05

14:25

Contributed talks: Ivan Sudakow (Open University) - Classification of Major Concepts of Mass Extinctions Based on Large Deviation Theory
Session | **Location:** University of Exeter Streatham (main) campus, Reed Hall, Exeter, United Kingdom

14:25

14:45

Contributed talks: Mark Williamson (Exeter) - Early warnings of the transition to a superrotating atmospheric state
Session | **Location:** University of Exeter Streatham (main) campus, Reed Hall, Exeter, United Kingdom

16:15

16:35

Contributed talks: Raphael Roemer (Exeter) - Characterising Edge States: Measures on chaotic saddles
Session | **Location:** University of Exeter Streatham (main) campus, Reed Hall, Exeter, United Kingdom

16:35

16:55

Contributed talks: Frank Kwasniok (Exeter) - Data-driven anticipation and prediction of critical transitions using non-autonomous dynamical modelling
Session | **Location:** University of Exeter Streatham (main) campus, Reed Hall, Exeter, United Kingdom

16:55

17:15

Contributed talks: Andreas Morr (TU Munich) - Anticipating critical transitions in multi-dimensional systems driven by time and state-dependent noise
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Friday 8 December

10:00

10:20

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

10:40

Contributed talks: Paolo Bernuzzi (TU Munich) - Scaling laws of Early-Warning Signs for SPDEs and Climate Systems
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11:10

11:30

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