



CLIMATE 21 LONG PROGRAM SCHEDULE

The Long Program draft schedule includes seminars on Monday and Wednesday at 9am streamed on-line.

We will also organize one (or two, depending on request) seminar(s) a week in the afternoon without streaming for participants who wish to present their work/ideas and are not included in this or in the conference lists.

Week 2:

11/08 Monday

Dmitri Kondrashov (confirmed)

Data-driven stochastic climate modeling and prediction

11/10 Wednesday

Deborah Khider

The challenges of using paleoclimate data for decadal prediction

Week 3:

11/15 Monday

Brian White (confirmed)

Deep learning applications for climate and weather modeling: toward improvements in speed, resolution and scenario generation

11/17 Wednesday

Andreas Gerhardus (confirmed)

Recent developments in causal discovery for time series

Week 4:

11/22 Monday

Bia Villas Boas (confirmed)

From noise to signal: what surface waves can teach us about currents

11/24 Wednesday

Raf Ferrari (remote)

New approaches to calibration of parameterizations of boundary layer turbulence

Week 5:

11/29 Monday

Freddy Bouchet (confirmed)

Predicting extreme heat waves using rare event simulations and deep neural networks

12/01 Wednesday

Markus Abel (confirmed)

Symbolic regression and mathematical postprocessing for machine learning of (climate) dynamics

Week 6:

12/06 Monday

Julien Brajard (confirmed)

Bridging observations and numerical modelling using machine learning

12/08 Wednesday

Alex Robel (confirmed)

Statistical learning of climate for large ensemble ice sheet simulations

Week 7:

12/13 Monday

Frank Kwasniok (confirmed)

Data-driven deterministic and stochastic subgrid-scale parametrization in atmosphere and ocean models: a pattern-based approach

12/15 Wednesday

Yan Liu (confirmed)

Differential Graph Neural Networks for Physics-Informed AI Models

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