

Session Program

27-29 May 2020

Workshop on Spatial Organisation of Convection, Clouds and Precipitation

Physical Mechanisms in Organisation

Niels Bohr Institute, Copenhagen University, Auditorium A
Blegdamsvej 17 2100 Copenhagen Denmark

Thursday 28 May

09:00

Physical Mechanisms in Organisation: Part 1

Session |

Location: Niels Bohr Institute, Copenhagen University, Auditorium A, Blegdamsvej 17 2100 Copenhagen Denmark

Convener: Bettina Meyer

09:00–09:20

Role of interactive sea surface in the onset of convective clustering

Speakers

Adrian Tompkins, Dr Addisu Semie

09:20–09:40

Transition to self-aggregation with enhanced variability for increasing CO₂ concentration in radiative-convective equilibrium with a slab ocean

Speaker

Gabor Drotos

09:40–10:00

Influence of large-scale subsidence on convective aggregation

Speaker

David Coppin

10:00

10:30

Physical Mechanisms in Organisation: Part 2

Session |

Location: Niels Bohr Institute, Copenhagen University, Auditorium A, Blegdamsvej 17 2100 Copenhagen Denmark

Convener: Steven Krueger

10:30–10:50

Extreme precipitation scaling, rain cell sizes, and the role of cold pools, and their relation to climate change

Speaker

Geert Lenderink

10:50–11:10

Physical controls on the speed of growth of convective self-aggregation

Speaker

Benjamin Fildier

11:10–11:30

Understanding the Triggering of Nor'westers over West Bengal, India

Speaker

Rituparna Sarkar

11:30

11:30

Physical Mechanisms in Organisation: Discussion

Session |

Location: Niels Bohr Institute, Copenhagen University, Auditorium A, Blegdamsvej 17 2100 Copenhagen Denmark

Convener: Brian Mapes

11:55