

Session Program

16-19 May 2022

2nd Workshop on Cloud Organization (WCO2)

Poster pitches

Utrecht, Public Library
Neude 11, 3512 AE Utrecht, the Netherlands

Monday 16 May

12:00

Poster pitches: part I

Session | **Location:** Utrecht, Public Library, Neude 11, 3512 AE Utrecht, the Netherlands

12:00–12:02

In search of ghost cold pools and moisture rings

Speaker

Adrian Tompkins

12:02–12:04

Understanding cloud systems structure and organization using a machine's self-learning capability

Speaker

Mr Dwaipayan Chatterjee

12:04–12:06

Self-organized quantization and oscillations on continuous fixed-energy sandpiles

Speaker

Jan Haerter

12:06–12:08

Network approaches to the geometric structure of shallow cloud fields

Speaker

Franziska Glassmeier

12:08–12:10

How well do stereo cameras observe shallow cumulus spatial organization? An evaluation combining atmospheric path-tracing and high-resolution Large-Eddy Simulations (LES)

Speaker

Yannick Burchart

12:10–12:12

Diurnal signals in flower cloud organization in the upstream Tradewind regions during EUREC4A

Speaker

Salima Ghazayel

12:12–12:14

The spacing and thermodynamics of updraughts in organised shallow cumulus

Speaker

Steven Boeing

12:14–12:16

Dependence of Cloud Radiative Effect on Cloud Organization in the Trades

Speakers

Pouriya Alinaghi, Franziska Glassmeier

12:16-12:18

Clear-Sky Turbulence and Shallow Convection: New Insights Combining SAR Images, Satellite Brightness Temperature and In-Situ Measurements**Speaker**

Pierre-Etienne Brilouet

12:18-12:20

Cloud size and cloud spacing distributions of trade-wind cumuli observed at cloud base for a range of mesoscale organizations**Speaker**

Julius Mex

12:20-12:22

Momentum transport and the organization of shallow convection**Speaker**

Alessandro Carlo Maria Savazzi

12:22-12:24

Shallow convective organization in the Trades as seen by self-learning artificial intelligence**Speaker**

Sabrina Schnitt

12:24-12:26

A new conceptual picture of the transition layer**Speaker**

Anna Lea Albright

12:26-12:28

Process Oriented evaluation of the overseas AROME configuration: focus on the representation of cloud organisation**Speaker**

Florent Beucher

12:28-12:30

Competition between convection of mesoscale patterns and its impacts on self-organization in idealized CRM simulations**Speaker**

Wei-Ming Tsai

12:30-12:32

Factors controlling precipitation in idealised monsoon simulations over an aquapatch**Speaker**

Maxime Colin

12:32-12:34

The Diurnal Evolution of Controls on Trade Wind Mesoscale Morphologies**Speaker**

Paquita Zuidema

12:45