

Workshop on Spatial Organisation of Convection, Clouds and Precipitation

Friday, 7 May 2021

Organisation in Shallow Convection: Introduction (15:00 - 15:15)

Organisation in Shallow Convection: Guiding Questions (15:15 - 15:30)

-Conveners: Louise Nuijens; Graham Feingold; Pier Siebesma

Organisation in Shallow Convection: Poster Pitches (15:30 - 16:00)

Organisation in Shallow Convection: Interactive Session (16:00 - 17:45)

time	[id] title	presenter
16:00	[36] The Rainy-Bénard model: Convective organisation and equilibria in a simple framework.	PARKER, Douglas J
16:00	[52] Process-oriented evaluation of AROME-OM with a focus on its representation of organization	BEUCHER, Florent
16:00	[27] A unified shallow-deep mass flux cumulus parameterization based on a stochastic multcloud model	KHOUIDER, Boualem
16:00	[22] Spatial Scales of Organisation in Southern Ocean Stratocumuli	DANKER, Jessica
16:00	[44] Cloud field organisation in trade-wind cumulus: a consequence of precipitation efficiency	FEINGOLD, Graham
16:00	[76] Multifractal constraints on cloud and precipitation structure in LES	WITTE, Mikael
16:00	[80] The impact of cold pools on the transition from shallow to deep convection over land	KUROWSKI, Marcin
16:00	[85] Role of subsidence vertical structure for stratocumulus precipitation and mesoscale organization - a CLARIFY case study	KAZIL, Jan
16:00	[57] Covariability of trade-wind cloudiness and environmental conditions in large-eddy simulations and observations	SCHULZ, Hauke
16:00	[78] On the relationship between precipitation and its spatial patterning in the Trades	RADTKE, Jule
16:00	[60] The Role of Cloud-Cloud Interactions in the organization shallow cumulus clouds	CHEN, Jingyi
16:00	[75] From Sugar to Flowers: A Transition of Shallow Cumulus Organization During ATOMIC	NARENPIKAK, Pornampai
16:00	[61] The coupling of winds and clouds in organized shallow convection	NUIJENS, Louise
16:00	[62] The Role of Mesoscale Cellular Convective Cloud Morphologies in Low Cloud Feedbacks	Dr MCCOY, Isabel
16:00	[64] Lagrangian LES of Cloud Organization from EUREC4A	BLOSSEY, Peter

16:00	[70] Cloud patterns in four dimensions	JANSSENS, Martin
16:00	[67] A climatology of trade cumulus cold pools and their link to mesoscale cloud organization	VOGEL, Raphaela
16:00	[72] Drivers of Lagrangian evolution of mesoscale cellular convection in eastern subtropical oceans	EASTMAN, Ryan
16:00	[7] Coupling a thermal population model to a discretized spectral convection scheme	NEGGERS, Roel
16:00	[40] Objective classification of cloud organisation with unsupervised neural networks	DENBY, Leif
16:00	[23] Do shallow cumulus clouds and convective plumes share the same statistics?	GRIEWANK, Philipp
16:00	[28] What determines the growth of humidity fluctuations?	SIEBESMA, Pier

Organisation in Shallow Convection: Panel Discussion (17:45 - 18:30)

-Conveners: Louise Nuijens; Graham Feingold; Pier Siebesma