

Workshop on Spatial Organisation of Convection, Clouds and Precipitation

Wednesday, 5 May 2021

Modelling and Parameterising Deep Convective Organisation: Introduction (15:00 - 15:15)

Modelling and Parameterising Deep Convective Organisation: Guiding Questions (15:15 - 15:30)

-Conveners: Cathy Hohenegger; J. David Neelin; Brian Mapes; Mitchell Moncrieff; Douglas Parker; Ronald Dickman

Modelling and Parameterising Deep Convective Organisation: Poster Pitches (15:30 - 16:00)

Modelling and Parameterising Deep Convective Organisation: Interactive Session (16:00 - 17:45)

time	[id] title	presenter
16:00	[47] A stochastic model for tropical precipitation clustering and connections to branching processes	AHMED, Fiaz
16:00	[41] Self-Aggregation from Cold Pool Interaction and Global Energy Constraints	HAERTER, Jan
16:00	[37] Essentially Lagrangian simulation of clouds using the Moist Parcel-In-Cell (MPIC) model	BOEING, Steven
16:00	[34] Understanding the Triggering of Nor'westers over West Bengal, India	SARKAR, Rituparna
16:00	[30] Scale-free distributions in nature: an overview of self-organized criticality	DICKMAN, Ronald
16:00	[26] The diurnal path to persistent convective self-aggregation	JENSEN, Gorm Gruner
16:00	[20] Extreme precipitation scaling, rain cell sizes, and the role of cold pools, and their relation to climate change	LENDERINK, Geert
16:00	[86] Identification and visualization of (high-impact) vortices on different scales	SCHIELICKE, Lisa
16:00	[58] Treating Deep Convective Updrafts in the Tropical Atlantic like Interacting Particles?	SENF, Fabian
16:00	[77] The Effects of the Unified Parameterization in the CWBGFS: the Diurnal Cycle of Precipitation over Land in the Maritime Continent	Mr SU, Chun-Yian
16:00	[65] Subcloud layer circulation of isolated moist convection cells	MOSELEY, Christopher
16:00	[66] The fractal nature of clouds in global convection-resolving simulations and satellite data	CHRISTENSEN, Hannah
16:00	[81] In search of ghost cold pools and moisture rings	Ms LE GALL, Enora
16:00	[79] Observed land effects on characteristics of organised convection	KLEIN, Cornelia
16:00	[73] Conceptualizing diurnal surface warming in the tropical ocean	BÖRNER, Reyk
16:00	[68] How do families of MCSs organize in time and space?	KRUSE, Irene Livia
16:00	[63] Defining a cold pool-resolving scale for numerical simulations of convective self-organisation	FIÉVET, Romain
16:00	[46] Theory of precipitation probability distributions	Prof. NEELIN, J. David

16:00	[43] Cold Pools and the Organization of Tropical Convection in Global Cloud-System Resolving Simulations	KRUEGER, Steven
16:00	[29] Organized Convection Parameterization for GCMs	MONCRIEFF, Mitchell

Modelling and Parameterising Deep Convective Organisation: Panel Discussion (17:45 - 18:45)

-Conveners: Cathy Hohenegger; Ronald Dickman; J. David Neelin; Mitchell Moncrieff; Douglas Parker; Brian Mapes