

List of Posters

Name	Affiliation	Title
Arifi, Ardit	JGU Mainz	Effective modeling of diffusional growth in mixed-phase clouds
Bergner, Hannah	JGU Mainz	Gravity waves and ice clouds – Interaction of dynamics and micro-physics using a modelling approach
Bockius, Niklas	JGU Mainz	Computing extended Markov parameterizations for the generalized Langevin equation using the Lanczos method
Brast, Nils	JGU Mainz	3D climatology of ice supersaturated regions over the North Atlantic
Brüning, Sarah	JGU Mainz	Deep learning-based generation of 3D cloud structures from geostationary satellite data
Bulenok, Oleksii	Jagiellonian University, Kraków	Collisional breakups in super-droplet method: Convergence analysis and validation against analytical solutions
Changiarath Sivadasan, Arya	JGU Mainz	Co-existing phases and condensates of promoter and gene condensates in coarse-grained molecular dynamics simulations
Chew, Ray	GU Frankfurt	Constrained spectral approximation of subgrid-scale orography
Chew, Ray	GU Frankfurt	Balanced data assimilation with a blended numerical model
De Siena, Luca	JGU Mainz	Petrophysical inversions from seismic data a Toba caldera: a Bayesian, transdimensional approach
Faldum, Manfred	RWTH Aachen	A space-time adaptive low-rank method for high-dimensional parabolic PDEs
Giannakou, Marios	JGU Mainz	Polydispersity in curved polymer brushes, in the Strong-Stretching limit
Goncalves Kulik, Mariane	JGU Mainz	One step closer to the understanding of the relationship IDR-LCR-Structure
Hieronymus, Maicon	JGU Mainz	Algorithmic Differentiation as Sensitivity Analysis in Cloud Microphysics
Holbach, Simon	JGU Mainz	Self-repelling diffusion and metadynamics
Ibragimov, Iskander	JGU Mainz	A systematic investigation of ophiolite obduction resulting from the closure of small oceanic basins
Kaus, Boris	JGU Mainz	Towards integrated numerical models of lithospheric-scale magmatic systems
Kazachkova, Yuliya	JGU Mainz	Automatic identification of systematic model failures in ensemble precipitation forecasts
Kiss, Daniel	JGU Mainz	Numerical modeling of magmatic transport processes on GPUs using the pseudo-transient method
Klos, Kyra H. M.	JGU Mainz	Generative deep neural networks for topological defects and their microstructure reconstruction in two-dimensional spin systems
Krüger, Matteo	MPI Chemistry Mainz	Accelerating models for multiphase chemical kinetics through machine learning
Moulas, Evangelos	JGU Mainz	Petrology as an ill-posed inverse problem
Oertel, Annika	KIT Karlsruhe	Spatio-temporal consistency of cloud microphysical parameter sensitivity in an extratropical cyclone
Oertel, Annika	KIT Karlsruhe	Using a perturbed parameter ensemble to quantify cloud microphysical uncertainty in an extratropical cyclone
Ping, Xiaofei	JGU Mainz	Coarse-grained simulation model of protein TDP43 liquid-liquid phase separation behavior

Name	Affiliation	Title
Roman, Sabin	Cambridge University	A master equation for power laws
Sharma, Shivani	Helmholtz-Zentrum Hereon	SuperdropNet: Machine Learning parameterization for super-droplet cloud microphysics scheme
Spichtinger, Peter	JGU Mainz	Ice clouds as nonlinear oscillators – a hierarchy of models
Stroh, Annalena	JGU Mainz	Constraining the rates of olivine crystal growth with diffusion chronometry
Sys, Stanislav	JGU Mainz	Meta-information guided enhancement of chromatin conformation capture maps
Tost, Holger	JGU Mainz	A Machine Learning approach to aerosol thermodynamics embedded in a global chemistry climate model
Yang, Huqing	RWTH Aachen	Robust sparse low-rank approximation of multi-parametric partial differential equations
Zhang, Yi	JGU Mainz	Bayesian waveform inversion using surrogate modelling and the No-U-Turn sampler
Zippo, Emanuele	JGU Mainz	Towards Markov state models of chemically driven non-equilibrium steady states