PrePEP 2025
Precipitation Processes - Estimation and Prediction

Poster program

Day 2		Tuesday 18 March 2025, 15:15-18:00	
		Poster Session, Aula	
	Session 1 A	**From Classical to Integrated Remote Sensing** **New observation strategies for clouds and precipitation (multi-frequency, spectral polarimetry, multi-sensor)**	
		Estimating precipitation charcteristics using disdrometer and RADAR observations 1) Nikolaos Antonoglou* (Deutscher Wetterdienst) 2) Manuel Werner (Deutscher Wetterdienst) 3) Sophie Löbel (Deutscher Wetterdienst) 4) Ulrich Blahak (Deutscher Wetterdienst)	74
		Applying citizen science for deigning a rainfall threshold for forecasting rainfall-induced landslides in the Uluguru Mountains, Tanzania 1) Silvia Francis Materu (Department of Biosciences, Sokoine University of Agriculture) 2) Nkuba Nyerere Mbeho (Department of Mathematics and Statistics, Sokoine Unversity of Agriculture) 3) Emmanuel Lubango Ndetto* (Sokoine University of Agriculture)	103
		Ice particle characterisation with the VISSS: insights from field campaigns and statistical analysis 1) Veronika Ettrichrätz* (Leipzig Institute for Meteorology (LIM), Leipzig University)) 2) Heike Kalesse-Los (Leipzig Institute for Meteorology (LIM), Leipzig University)) 3) Anton Kötsche (Leipzig Institute for Meteorology (LIM), Leipzig University)) 4) Maximilian Maahn (Leipzig Institute for Meteorology (LIM), Leipzig University)) 5) Nina Maherndl (Leipzig Institute for Meteorology (LIM), Leipzig University)) 6) Nils Pfeifer (Leipzig Institute for Meteorology (LIM), Leipzig University))	109
		Retrieval of the maximum diameter from 2DVD observations and their synergy with remote sensing measurements 1) Tom Gaudek* (TROPOS) 2) Albert Ansmann (TROPOS) 3) Cristofer Jimenez (TROPOS) 4) Kevin Ohneiser (TROPOS) 5) Patric Seifert (TROPOS)	50

GPM-API: A Python Interface to Access the Global Precipitation Measurement Mission Satellites Data Archive 1) Gionata Ghiggi* (EPFL) 2) Alexis Berne (Environmental remote sensing laboratory, EPFL)	56
Evaluation of Traditional and Innovative Methods for Reflectivity Calibration in Meteorological Radar 1) Michael Frech (Meteorological Observatory Hohenpeißenberg,Deutscher Wetterdienst) 2) Alexander Myagkov* (Radiometer Physics GmbH) 3) Tatiana Nomokonova (Radiometer Physics GmbH)	97
Country-wide analysis of CML rainfall estimation in Zambia: Strengths, weaknesses and the way forward 1) Nico Blettner (KIT) 2) Christian Chwala* (KIT (IMK-IFU) / Uni Augsburg) 3) Harald Kunstmann (KIT / University of Augsburg)	104
Multi-frequency radar observations of mountainous precipitation during the CHOPIN campaign 1) Nicole Clerx* (Environmental Remote Sensing Laboratory, EPFL) 2) Romanos Foskinis (Environmental Remote Sensing Laboratory & Laboratory of Atmospheric Processes and their Impacts, EPFL) 3) Christophe Le Gac (Atmospheric Space Observations Laboratory, IPSL) 4) Julien Delanoë (Atmospheric Space Observations, IPSL) 5) Alexis Berne (Environmental remote sensing laboratory, EPFL)	110
Do crowdsourced data improve rainfall observations at the catchment scale? A Europe-wide assessment 1) Nathalie Rombeek* (Delft University of Technology) 2) Markus Hrachowitz (Delft University of Technology) 3) Davide Wüthrich (Delft University of Technology) 4) Remko Uijlenhoet (Delft University of Technology)	120
IcePolCKa - A Review 1) Gregor Köcher* (Meteorologisches Institut, Ludwig-Maximilians-Universität München) 2) Florian Ewald (Institut für Physik der Atmosphäre, Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen) 3) Martin Hagen (Institut für Physik der Atmosphäre, Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen) 4) Christian Heske (Institut für Physik der Atmosphäre, Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen) 5) Christoph Knote (Medizinische Fakultät, Universität Augsburg) 6) Eleni Tetoni (Formerly at: Institut für Physik der Atmosphäre, Deutsches Zentrum für Luft- und Raumfahrt (DLR), Oberpfaffenhofen) 7) Tobias Zinner (Meteorologisches Institut, Ludwig-Maximilians-Universität München)	126
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