

SPP Prom zoom meeting
On Monday, 14. February and Tuesday, 15. February 2022
Start at 10:00 am-3:30 pm (first day)

Location:

<https://uni-bonn.zoom.us/j/99504820590?pwd=Q1U5d240cXdlZndhTnYzUmdOdGhYdz09>

Meeting-ID: 995 0482 0590

Kenncode: 482313

Monday, 14. February 2022

10:00-10:10 am: **Welcome**

10:10-10:30 am: **Polarimetry Influenced by CCN aNd INP in Cyprus and Chile (PICNICC):**

An assessment of hemispheric cloud polarimetry contrasts and its relation to differences in aerosol load (PIs: Heike Kalesse, Patric Seifert, Johannes Quaas)

PhD (Uni Leipzig): Teresa Vogl

PhD (Tropos): Patric Seifert representing Audrey Teisseire

10:30-10:50 am: **An efficient volume scan polarimetric radar forward OPERATOR to improve the representation of HYDROMETEORS in the COSMO model (Operation Hydrometeors)** (PIs: Silke Trömel, Clemens Simmer, Ulrich Blahak)

PhD (DWD): Jana Mendrok

PhD (Uni Bonn): Velibor Pejicic

10:50-11:10 am: **Discussions**

11:10-11:30 am: **Break**

11:30-11:50 am: **Understanding ice microphysical processes using multi-frequency radar polarimetry and super-particle modeling (IMPRINT)** (PIs: Stefan Kneifel und Axel Seifert)

PhD (Uni Col): Leonie von Terzi

PhD (DWD): Jan-Niklas Welss

11:50-12:10 am: **Polarimetric signatures of ice microphysical processes and their interpretation using in-situ observations and cloud modeling (POLICE)** (PIs: Silke Trömel, Clemens Simmer, Christiane Voigt)

PhD (Uni Mainz): Manuel Moser

PhD (Uni Bonn): Armin Blanke

12:10-12:30 am: Discussions

12:30 am - 1:40 pm: Lunch break

1:40-2:00 pm: Climate model PArAmeterizations informed by RAdar (PARA) (PIs: Johannes Quaas, Silke Trömel)

PhD (Uni Leipzig): Johannes Quaas representing Sabine Hörnig

PhD (Uni Bonn): Tobias Scharbach

2:00-2:20 pm: Investigation of the initiation of convection and the evolution of precipitation using simulations and polarimetric radar observations at C- and Ka-band (IcePoICKa) (PIs: Martin Hagen and Tobias Zinner)

PhD (LMU): Gregor Müller

PhD (DLR): Eleni Tetoni

2:20-2:40 pm: Discussions

2:40-3:00 pm: Break

3:00-3:20 pm: Polarimetric radar ice retrievals. Methods, validation, climatology

Alexander Ryzhkov (Member of scientific advisory board)

3:20-3:40 pm: Using State-of-the-art Hailstorm Simulations to Inform New Polarimetric Doppler Radar Hail Sizing Algorithms

Matthew Kumjian (Member of scientific advisory board)

3:40-4:00 pm: Discussions

Tuesday, 15. February 2022

9:00-9:20 am: Representing model error and observation Error uncertainty for Data assimilation of POLArimetric radar measurements (REDPOL) (PIs: Tijana Janjic Pfander, Axel Seifert, Daniel Klocke)

PI (LMU): Tijana Janjic Pfander

PhD student (LMU): Florian Semrau

9:20-9:30 am: Investigating the impact of Land-use and land-cover change on Aerosol-Cloud-precipitation interactions using Polarimetric Radar retrievals (ILACPR)

PostDoc-eig.Stelle: Prabhakar Shrestha

9:30-9:50 am: Discussions

9:50-10:10 am: Break

10:10-10:20 am: A Low-cost Mechanically-Steered Phased-Array Polarimetric Doppler Weather Radar (PIs: Stefano Turso, Thomas Bertuch, Clemens Simmer, Silke Trömel)

Fraunhofer FHR), represented by: Stefano Turso

10:20-10:40 am: Spectrally resolved Polarimetric Observation and Computation of Clouds (SPOCC): Toward the retrieval of hydrometeor ratios during onset of precipitation (PIs: Patric Seifert and Oswald Knoth)

PhD (TROPOS): Fabian Senf/Patric Seifert representing Junghwa Lee

PhD (TROPOS): Majid Hajipour

10:40-10:50 am: A seamless profile of the precipitation process of mixed-phased clouds employing data from a polarimetric C-band radar, a microrain radar (MRR) and disdrometers (PI: Michael Frech)

PostDoc (DWD): Mathias Gergely

10:50-11:10 am: Discussions

11:10-12:20 am: Lunch Break

12:20 am~2:30 pm: Breakout sessions (different Zoom rooms if wanted)

Topics: Extension of Homepage with new and Phase 2 projects, ..., ???

End of the meeting