All hands meeting on 15-16 October 2020

Location: Zoom

Thursday

9:00-9:10 am: **Welcome**

9:10-9:30 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): Audrey Teisseire

9:30-9:50 am: **Representing model error and observation Error uncertainty for Data assimilation of POLarimetric radar measurements (REDPOL)** (PIs: Tijana Janjic Pfander, Axel Seifert, Daniel Klocke)

PostDoc (LMU): Yuefei Zeng

PhD student (LMU): Florian Semrau

9:50-10:10 am**: Discussions**

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

10:30-10:50 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

10:50-11:10 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

11:10-11:20 am: **Web-based radar data portal for the access of archived radar data** (PI: Kathleen Helmert)

PostDoc (DWD): Hella Riede

11:20-11:50 am**: Discussions**

11:50am -1:00 pm: **Lunch break**

1:00-1:20 pm: **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 Pejcic

1:20-1:40 pm: **Discussions**

Friday

9:00-9:10 am: **Evaluating and Improving Convection-Permitting Simulations of the Life Cycle of Convective Storms using Polarimetric Radar Data**

PostDoc-eig.Stelle (KIT): Andrew Barrett

9:10-9:30 am: **Investigation of the initiation of convection and the evolution of precipitation using simulations and polarimetric radar observations at C- and Ka-band (IcePolCKa)** (PIs: Martin Hagen and Tobias Zinner)

PhD (LMU): Gregor Müller

PhD (DLR): Eleni Tetoni

9:30-9:50 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 representing Junghwa Lee

PhD (TROPOS): Majid Hajipour

9:50-10:10 am**: Discussions**

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

10:30-10:40 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

10:40-11:00 am: **Climate model PArameterizations informed by RAdar (PARA)** (PIs: Johannes Quaas, Silke Trömel)

PhD (Uni Leipzig): Sabine Hörnig

PhD (Uni Bonn): Nikolaos Papaevangelou

11:00-11:10 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

11:10-11:20 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

11:20-11:50 am**: Discussions**

11:50 am -1:00 pm: **Lunch Break**

1:00~3:00 pm: **Breakout sessions (different Zoom rooms if wanted)**

Topics: Forward Operator, outreach, BAMS Paper, joint work/ collaborations/ interactions, ICON cloud/precipitation processes assessed

End of the meeting