

**PROM Meeting 23-24 October 2019**  
**Location: Ulrich-Haberland-Haus/ Auf dem Hügel 16, 53121 Bonn**

**Wednesday**

**1:00-1:30 pm: Welcome and introduction of new project scientists**

**1:30-2:00 pm: 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**

**2:00-2:15 pm: Representing model error and observation error uncertainty for data assimilation of polarimetric radar measurements**

(PIs: Tijana Janjic Pfander, Axel Seifert, Daniel Klocke)

**PostDoc (LMU): Yuefei Zeng**

**2:15-2:45 pm: 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**

**2:45-3:15 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 Pejicic**

**3:15-3:30 pm: Web-based radar data portal for the access of archived radar data**

(PI: Kathleen Helmert)

**PhD (DWD): Hella Riede**

*3:30-4:15 pm Coffee break*

**4:15-4:45 pm: Microphysical and thermodynamic retrievals using polarimetric radars,  
Alexander Ryzhkov (Member of scientific advisory board)**

**4:45-5:15 pm: 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): Andrew Lowry**

5:15-6:15 pm: Discussions and time buffer

7:00 pm: Joint dinner at Casa del Gatto (A tour description is enclosed!)

### Thursday

9:00-9:15 am: Evaluating and Improving Convection-Permitting Simulations of the Life Cycle of Convective Storms using Polarimetric Radar Data

(PI: Andrew Barrett)

PostDoc-eig.Stelle (KIT): Andrew Barrett

9:15-9:45 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

9:45-10:15 am: Spectrally resolved Polarimetric Observations and Modelling of Clouds (SPOMC): Toward the retrieval of hydrometeor ratios during onset of precipitation

(PIs: Patric Seifert and Oswald Knoth)

PhD (TROPOS): Junghwa Lee

PhD (TROPOS): Majid Hajipour

10:15-10:30 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

10:30-11:00 am: Climate model Parameterizations informed by RAdar (PARA)

(PIs: Silke Trömel, Clemens Simmer, Johannes Quaas)

PhD (Uni Leipzig): Sabine Hörnig

PhD (Uni Bonn): Nikolaos Papaevangelou

*11:00-11:45 am Coffee break/Lunch*

11:45-12:00 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

12:00-12:15 pm: 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

12:15-3:00 pm: Breakout sessions and discussions with coffee/tea

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

3:15 pm: End of the meeting