

# Colloquium on Recent Research in Environmental Physics (PSEM)

WS 2018/19

15.10.2018 - 09.02.2019

Date	Speaker	Institute	Title
Oct 18, 2018	Prof. Dr. Thomas Leisner	KIT IMK-AAF Institute of Meteorology and Climate Research, Atmospheric Aerosol Research	The secret lives of clouds - Laboratory studies on cloud microphysics
Oct 25, 2018	Dr. Christoph Knote	LMU – MIM Ludwig-Maximilians Universität München, Meteorologisches Institut München	Advanced numerical modelling for atmospheric chemistry field campaigns
Nov 08, 2018	Dr. Jochen Landgraf	SRON Netherlands Institute of Space Research, Netherlands	The Tropomi shortwave infrared data products: First results and future perspectives
Nov 15, 2018	Dr. Christoph Kleinschmitt	IUP – Atmospheric Systems	Climate engineering with stratospheric sulphate aerosol
Nov 22, 2018	Prof. Dr. Thomas Lauvaux	PennState, College of Earth and Mineral Sciences, USA	Trend detection of urban greenhouse gas emissions by assimilation of ground- and space-based observations
Nov 29, 2018	Dr. Michael Schöppner	Institute of Safety/Security and Risk Sciences, Vienna, Austria	Atmospheric sampling and modelling of noble gases for arms control
Dec 6, 2018	Dr. Chris Brierley	UCL – University College London	Climate variability diagnostics for PMIP4/CMIP6
Jan 10, 2019	Dr. Sourish Basu	NOAA Earth System Research Laboratory, USA	Measuring and modeling Carbon Isotopes in the atmosphere to diagnose the Carbon Cycle
Jan 17, 2019	Dr. Anke Roiger	DLR - Institute of Atmospheric Physics Atmospheric trace gases	Bessere Quantifizierung anthropogener Treibhausquellen: Ergebnisse von flugzeuggetragenen in-situ Messungen von CO <sub>2</sub> und Methan
Jan 24, 2019	Dr. Martin Werner	AWI – Climate Science	Exploiting water isotopes for an improved modeling of past climate changes
Jan 31, 2019	Dr. Christa A. Marandino	GEOMAR   Helmholtz Center for Ocean Research Kiel – Marine Chemistry	How simultaneous eddy covariance measurements of DMS and CO <sub>2</sub> can shed light on air-sea flux limitation and the bubble effect
Feb 07, 2019	Prof. Dr. Werner Aeschbach	IUP - Aquatic Systems and Biogeochemical Cycles	First results of <sup>39</sup> Ar-analysis in Heidelberg