

**International Workshop on Cloud Micro-  
physics – Turbulence Interaction**  
**28 February – 1 March 2017**

**Leibniz Institute for Tropospheric Research**  
Program

Tuesday, 28 February 2017

- |         |  |   |
|---------|--|---|
| 9:00 h  | Frank Stratmann/<br>Jens Voigtländer/<br>Dennis Niedermeier: | - Welcoming<br>- Introduction of LACIS-T (history, design and first results)<br>- Cloud lab tour (including a coffee break) |
| 11:30 h | Lunch  |   |
| 12:45 h | Eberhard Bodenschatz:  | tba   |
| 13:00 h | Dominique Thévenin:  | Current Spray Research in the Fluid Dynamics Dpt. of Univ. Magdeburg  |
| 13:15 h | Miklós Szakáll:  | The growth of graupel in laminar and turbulent flow - Experiments at the Mainz vertical wind tunnel                         |
| 13:30 h | Joachim Peinke:  | Multiscale and multipoint characterization of turbulence  |
| 13:45 h | Szymon P. Malinowski:  | tba   |
| 14:00 h | Discussion   |   |
| 14:30 h | Coffee break   |   |
| 15:00 h | Jakub Nowak:   | Droplets at the laboratory analog of cloud edge measured with long-exposure digital holography                              |
| 15:15 h | Will Cantrell:   | Laboratory measurements of aerosol-cloud-turbulence feedbacks in conditions for liquid water clouds                         |
| 15:30 h | Raymond Shaw:  | Cloud droplet growth in a turbulent environment: Evidence for rapid growth in clean clouds                                  |
| 15:45 h | Holger Siebert:  | Supersaturation fluctuations during the early stage of cumulus formation  |
| 16:00 h | Ewe Wei Saw:   | tba   |
| 16:15 h | Discussion   |   |
| 18:30 h | Dinner at Moritzbastei                                       |   |



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Member of the



Wednesday, 1 March 2017

9:00 h	J�r�mie Bec:	Statistical steady states in turbulent droplet condensation
9:15 h	J�rg Schumacher:	Droplet dynamics in a shear-free mixing layer
9:30 h	Paul G�tzfried:	First numerical studies of cloud microphysics in LACIS-T
9:45 h	Juan Pedro Mellado:	Cloud boundaries in entrainment zones
10:00 h	Coffee break	
10:30 h	Toshiyuki Gotoh/ Izumi Saito:	Development of cloud microphysics simulator
10:45 h	Steven Krueger:	An Economical Approach for Simulating the Effects of Entrainment and Mixing on Droplet Size Distributions in Turbulent Clouds
11:00 h	Shin-ichiro Shima:	Roadmap to develop a cloud and aerosol resolving model: extension of the super-droplet method to ice phase, aerosol, and electricity
11:15 h	Alain Pumir:	tba
11:30 h	Discussion	
12:00 h	Lunch	
13:00 h	Discussion (continued)	
16:00 h	End of workshop	

Open: Haitao Xu and Gregory Paul Bewley