

Program of 2nd International Workshop on Cloud Turbulence

March 8-10, 2017, Hall, Building 4, Nagoya Institute of Technology

URL: <http://comphys.web.nitech.ac.jp/cloud2>

March 8

9:00 - 9:20		<i>Registration</i>
9:20 - 9:30		<i>Opening</i>
9:30 - 10:30	Wang PK	<i>Keynote Lecture</i> Turbulent Phenomena at the Top of Convective Storms: Observations, Modeling and Implications
10:30 - 10:50		<i>Coffee Break</i>
10:50 - 11:40	Wang LP	Interface-Resolving Simulation of Collision Efficiency of Cloud Droplets
11:40 - 12:30	Onishi	Towards full Lagrangian cloud simulation
12:30 - 14:00		<i>Lunch</i>
14:00 - 15:00	Falkovich	<i>Keynote Lecture</i> Inertial particles in non-uniform turbulence
15:00 - 15:20		<i>Coffee Break</i>
15:20 - 16:10	Toschi	Settling of (non-)heavy inertial particles in turbulence
16:10 - 17:00	Murakami	Aerosol Effects on Microphysical Properties of Clouds and Precipitation -Laboratory and Numerical Experiments Mainly on CCN Activation-

March 9

9:30 - 10:30	Shaw	<i>Keynote Lecture</i> Turbulence-induced broadening of cloud-droplet size distributions: Implications for aerosol effects on climate
10:30 - 10:50		<i>Coffee Break</i>
10:50 - 11:40	Xu	Turbulence and cloud microphysics at a mountaintop research station
11:40 - 12:30	Shima	Grid convergence of the large-eddy simulation of shallow maritime cumuli field: A case study using the super-droplet method as the cloud microphysics model
12:30 - 13:00		<i>Photo Session</i>
13:00 - 14:30		<i>Lunch</i>
14:30 - 15:30	Grabowski	<i>Keynote Lecture</i> Diffusional growth of cloud droplets in turbulent clouds
15:30 - 15:50		<i>Coffee Break</i>
15:50 - 16:40	Gotoh	Droplets and Turbulence in Cloud Microphysics Simulator
16:40 - 17:30	Stratmann Niedermeier	The new turbulent Leipzig Aerosol Cloud Interaction Simulator (LACIS-T): Design and first results
18:00 - 20:00		<i>Banquet</i>

March 10

9:30 - 10:30	Tomita	<i>Keynote Lecture</i> Future direction of turbulence and cloud modeling
10:30 - 10:50		<i>Coffee Break</i>
10:50 - 11:40	Mellado	Resolving submeter-scale processes at the top of stratocumulus clouds
11:40 - 12:30	Horiuti	Nonequilibrium subgrid-scale models in LES alternative to the Smagorinsky model
12:30 - 14:00		<i>Lunch</i>
14:00 - 14:30	Tsuboki	A research plan of typhoon observation using an aircraft in Japan
14:30 - 15:00	Moriki	Numerical experiments of aerosol impacts on warm clouds using a cloud-resolving model with the super droplet method
15:00 - 15:50	Takemi	Environmental stability control of the organization of atmospheric moist convection
15:50 - 16:00		<i>Closing</i>