

3rd CCliCS Workshop on Climate System Modeling

(Nov 11~13, 2014)

第三屆氣候變遷研究聯盟研討會

1st Meeting Room, 3F of North Wing, Humanities and Social Sciences Building

人文社會科學館北棟三樓第一會議室

Agenda

Nov 11 (Tuesday)

- 08:00-08:30 Registration
- 08:30-09:00 Opening, Project Introduction, and Group Photo
- 09:00-09:40 CCliCS Progress Presentation: Hsu, Huang-Hsiung
- 09:40-10:20 Keynote talk: Rasch, Philip (Pacific Northwest National Laboratory)
- *Problems and Prospects for improved representation of aerosol impacts in climate models*
- 10:20-10:40 Break (tea time)
- 10:40-11:20 Keynote talk: Wang, Chien (Massachusetts Institute of Technology)
- *Modeling the climate effects of aerosols and aerosol-cloud interaction*
- 11:20-12:00 Keynote talk: Ma, Po-Lun (Pacific Northwest National Laboratory)
- *Toward a Better Characterization of Aerosols, Clouds, and Aerosol-Cloud Interactions in Climate Modeling through Increasing Horizontal Resolution*
- 12:00-13:30 Lunch
- 13:30-16:30 Poster Session + Break
- 16:30-17:10 Keynote talk: Yang, Zong-Liang (The University of Texas)
- *Generalized Land Surface Processes: Theory, Observation, Modeling, and Applications*
- 17:10-17:50 Keynote talk: Leung, Ruby (Pacific Northwest National Laboratory)
- *Representing human influences on the terrestrial water cycle in Earth system models*
- 18:00-20:00 Banquet

Nov 12 (Wednesday)

- 09:00-09:40 Keynote talk: Chen, Jack (National Center for Atmospheric Research)
- *Aviation impact on climate in 2050 + the latest development of CAM5*
- 09:40-10:20 Keynote talk: Huang, Xiang-Lei (University of Michigan)
- *Sensitivity of modeled far-IR radiation budgets in polar continents to treatments of snow surface and ice cloud radiative properties*
- 10:20-10:40 Break (tea time)
- 10:40-11:20 Keynote talk: Li, Frank (Jet Propulsion Laboratory)
- *Characterizing Cloud-Radiation Biases and their Impacts on Water Vapor, Radiation, Dynamics and Circulation in Coupled Systems*
- 11:20-12:00 Keynote talk: Chang, Ping (Texas A&M University)
- *Ocean Mesoscale Eddy-Atmosphere Interaction along the Kuroshio Extension*
- 12:00-13:30 Lunch
- 13:30-14:10 Keynote talk: Ma, Hsi-Yen (Lawrence Livermore National Laboratory)
- *How can we use short-term hindcast approach to understand systematic errors in climate models*
- 14:10-14:50 Keynote talk: Miura, Hiroaki (University of Tokyo)
- *Recent studies using a global cloud-system-resolving model NICAM*
- 14:50-15:10 Break (tea time)
- 15:10-17:30 CCLiCs PI/CO-PI presentations (main project + 3 sub-projects)

Nov 13 (Thursday)

09:00-10:30 Breakout session discussions: separate 3 groups

I. Microphysics, aerosol, and atmospheric chemistry

(Room. 1101, 11F of South Wing)

II. Convection processes, high resolution model

(Room. 1105A, 11F of South Wing)

III. Earth system model, climate diagnosis and model evaluation

(1st Meeting Room, 3F of North Wing)

10:30-10:50 Break (tea time)

10:50-11:40 Summary and synthesis (15 min for each group)

11:40-12:30 Best poster award, general discussions. Concluding remark

12:30-13:30 Lunch