



Center for Multiscale Modeling of Atmospheric Processes

Summer 2015 Team Meeting & NSF Site Review

August 4-6, 2015
Fort Collins, Colorado



**Colorado
State
University**



Monday August 3

Travel day. Out of town attendees arrive and check in to hotel.

Hilton Fort Collins

425 West Prospect Road, Fort Collins, CO 80526
(970) 482-2626

Parking is free at Hilton Fort Collins.

Tuesday August 4

Venue: **Scott Bioengineering Building**
Colorado State University
West Laurel Street & Meridian Avenue

Parking: *Parmelee Hall Lot No. 145 near Scott Building west entrance —
Q lots are free during summer session.*

*A CMMAP representative will lead a walking group from the Hilton to the Scott Building —
Meet in Hilton lobby for an 7:30 am departure. Email claire@atmos.colostate.edu to join.*

*Scott Room 229 reserved for NSF Site Review Team
Scott Room 231 reserved for CMMAP Team*

Morning: **CMMAP Team Meeting Sessions** (All are welcome) —
Scott Building, Judson Harper Auditorium (Room 101)
Chin-Hoh Moeng, Chair

8:00-8:15 am	Welcome by David Randall
8:15-9:15 am	Nathan Arnold — Convective Self-Aggregation and the Madden-Julian Oscillation
9:15-9:35 am	David Randall — Chaotic Clouds
9:35-9:55 am	Emily Fischer — Make it Happen: Developing Deliberate Mentoring Approaches to Increase the Recruitment and Persistence of Women in the Geosciences
10:00-10:15 am	Break in Atrium
10:15-10:35 am	Peter Blossey — Cloud Feedbacks in Shallow Cumulus Clouds
10:35-10:55 am	Marat Khairoutdinov — ECMWF IFS with Super-Parameterization: Preliminary Results
10:55-11:15 am	Joon-Hee Jung — Progress towards a global Q3D MMF
11:15-11:35 am	Morgan Phillips — Extreme Precipitation in a Multi-Scale Modeling Framework
11:35-11:55 am	Cristina Stan — Projection of Summer Precipitation over the Southeastern U.S.

Group photo in the Scott Building Atrium as we break for lunch.

12:00-1:15 pm **Lunch (on your own)**

We will provide a list of restaurants that are within walking distance.

Afternoon: CMMAP Team Meeting Sessions (All are welcome) —
Scott Building, Judson Harper Auditorium (Room 101)

Steve Krueger, Chair

- 1:15-2:15 pm Emily Fischer — Fresh Insights into the Sources and Distribution of Peroxyacetyl Nitrate (PAN) from New Satellite and In Situ Observations
- 2:15-2:35 pm Hugh Morrison — Advection of Coupled Hydrometeor Quantities in Microphysics Schemes
- 2:35-2:55 pm Sonia Kreidenweis — Modeling Aerosol Impacts on Two MC3E MCSs
- 2:55-3:15 pm Break in Atrium**
- 3:15-5:15 pm *Session for CMMAP Interns on Communicating Your Science — Scott Room 231*

CMMAP's Contributions to Understanding the MJO

- 3:15-3:30 pm Jim Benedict — The MJO in SP-CAM
- 3:30-3:45 pm Charlotte DeMott — Air-Sea Coupling and the MJO
- 3:45-4:00 pm Minoru Chikira — A Weak Temperature Gradient Framework for MJO Diagnosis
- 4:00-4:15 pm Brandon Wolding — Objective Diagnostics of the MJO Applied to Reanalysis and SP-CCSM
- 4:15-4:45 pm Tamaki Suematsu and Hiroaki Miura — Dependence of the MJO Propagation Speed on SST and its Reproducibility on NICAM-AMIP Run
- 4:45-5:00 pm Eric Maloney — Synthesis of CMMAP's Contribution to Advancing the State of Knowledge of the MJO
- 5:00-5:15 pm Discussion time & adjourn
- 6:30 pm *CMMAP Executive Committee (EC) & NSF working dinner off-site, El Monte Grill (1611 S. College Ave., an easy walk from the Hilton)*

Wednesday August 5

Venue: **Scott Bioengineering Building**
Colorado State University
West Laurel Street & Meridian Avenue

Parking: *Parmelee Hall Lot No. 145 near Scott Building west entrance — Q lots are free during summer session.*

*Scott Room 229 reserved for NSF Site Review Team
Scott Room 231 reserved for CMMAP Team*

Morning: **NSF Site Review of CMMAP** (CMMAP Team welcome) —
Scott Building, Judson Harper Auditorium (Room 101)

8:30-8:40 am Welcome & Introductions

8:45-10:00 am David Randall — CMMAP's Research Legacy

10:00-10:15 am Break in Atrium

10:15-11:00 am Steve Krueger — CMMAP's Knowledge Transfer Legacy

11:00-11:45 am Scott Denning, Melissa Burt, & Brian Jones — CMMAP's Education & Diversity Legacy

11:45 am-12:00 Discussion

12:00-1:30 pm Lunch (on your own)

We will provide a list of restaurants that are within walking distance.

NSF Site Review Team prepares questions for CMMAP EC.

Afternoon: Recognition of CMMAP Contributions (All are welcome) —
Scott Building, Judson Harper Auditorium (Room 101)

1:30-1:40 pm David Randall — Welcome

Remarks by CSU Administration & Others

Introductions by David Randall, CMMAP Center Director

1:40-1:45 pm Alan Rudolph, CSU Vice President for Research

1:45-1:50 pm David McLean, CSU Dean of College of Engineering

1:50-1:55 pm Jeff Collett, Head, CSU Department of Atmospheric Science

Introductions by Scott Denning, CMMAP's Director for Education & Diversity

2:00-2:05 pm Mary Ontiveros, CSU Vice President for Diversity

2:05-2:10 pm Thomas Windham, CMMAP Diversity Consultant

2:10-2:15 pm Tammi Vacha-Haase, Associate Dean of CSU's Graduate School

2:15-2:20 pm Jan Nerger, CSU Dean of College of Natural Sciences

2:20-2:30 pm Scott Denning, CMMAP's cross-campus reach

2:30-2:40 pm Wayne Schubert, CMMAP Knowledge Transfer

2:40-2:45 pm Wade Troxell, Mayor of Fort Collins

2:45-3:00 pm David Randall, CMMAP Center Director

3:00-4:30 pm Reception in Atrium, with hands-on science demonstrations by CSU's Little Shop of Physics

4:30-5:00 pm *CMMAP EC meets with NSF Site Review Team to receive questions*

5:30-8:30 pm CMMAP Team Dinner (All are welcome)

At the home of David & Mary Kay Randall

5812 Plateau Court, Fort Collins, CO 80526

8:30 pm-TBD *CMMAP EC prepares responses to Site Review questions*

Thursday August 6

Scott Denning, Chair

Morning

Venue: **Scott Bioengineering Building**
Colorado State University
West Laurel Street & Meridian Avenue

Parking: *Parmelee Hall Lot No. 145 near Scott Building west entrance —
Q lots are free during summer session.*

*Scott Room 229 reserved for NSF Site Review Team
Scott Room 231 reserved for CMMAP Team*

8:00-9:00 am *CMMAP EC responds to NSF Site Review Team at Hilton in Rams Room*

8:15-8:45 am *Optional Activity: CSU Weather Station Open House hosted by Don
Dazlich. Visit meeting [website](#) for more info. or [email Don](#) with questions.*

Morning: **CMMAP Team Meeting Sessions** (All are welcome) —
Scott Building, Judson Harper Auditorium (Room 101)

9:15-10:15 am Wojciech Grabowski — Towards Global Large Eddy Simulation: Super-
Parameterization Revisited

10:15-10:30 am Break in Atrium

10:30-10:50 am Todd Jones — Aqua Planet Simulations with SP-NIM

10:50-11:10 am Celal Konor — Curl Curl

11:10-11:30 am Takano Y. Yamaguchi — Improving Simulated Low Clouds in CSRM/GCM
with Dual Vertical Resolution Framework

11:30-11:50 am Marat Khairoutdinov — Near-Global Simulations of Aquaplanet with SAM

12:00 pm-TBD *CMMAP EC meet with NSF Site Review Team at Hilton in Rams Room for
Site Visit report briefing*

Travel to Hilton Fort Collins for afternoon poster session and lunch.

*Options for traveling from the Scott Building to the Hilton Fort Collins include walking through
the CSU campus (20 min) or driving (10 min).*

Afternoon

Venue: **Hilton Fort Collins**
425 West Prospect Road
Salons 4 / 6 in main Colorado State Ballroom

Parking: *Parking at the Hilton Fort Collins is free.*

Poster Session at Hilton Fort Collins (All are welcome)

Please set up posters upon your arrival. Pushpins will be available.

12:30-2:30 pm Poster Session & Reception in Hilton Fort Collins Ballroom — *Food will be provided.*

2:30 pm Meeting ends & out of town attendees depart