

ASP Summer Colloquium 2018 (June 3-15), NCAR

**SYNTHESIS OF OBSERVATIONS AND MODELS IN STUDIES
OF SHALLOW AND DEEP CLOUDS**

AGENDA

Sunday, 3 June			Location
5:00 pm	Rebecca Haacker	Welcome and icebreaker, and photo	Williams Village North (in Lobby)
5:30 pm	all	Dinner at WVC Dining Hall	Williams Village Center Dining Hall
6:30 pm <i>Talks</i>	Jeff Stith	<i>SYNTHESIS OF OBSERVATIONS AND MODELS IN STUDIES OF SHALLOW AND DEEP CLOUDS.</i>	Williams Village Center Village View Room
7:00	Tim Barnes	Introduction to NCAR, including the history of NCAR in service to society	Williams Village Center Village View Room
7:45 pm	Jeff Stith	Final Remarks <i>Return to dorms</i>	Williams Village Center Village View Room
Monday, 4 June			Location
8:30 am	Rebecca Haacker (NCAR) and Scott Briggs	Welcome to ASP and the Colloquium and Logistics	ML - MSR
8:45 am	Michael Thompson (NCAR)	Welcome to NCAR	ML - MSR
9:15 am	Vanda Grubišić (NCAR)	EOL Overview: The four "D's" of EOL and what they mean for synthesis of models and observations	ML - MSR
10:00 am	<i>Break / logistics (zero waste information - Scott Briggs)</i>		

10:30 am	Bob Rauber: Keynote	How science gets done: How models and observations work together to answer basic science questions.	ML - MSR
11:30	Jeff Stith	Overview of case studies and what is planned: Introducing your mentor	ML - MSR
12:00	<i>Lunch</i>	<i>Including small weather trail hike</i>	
1:30 pm	Janine Aquino, Taylor Thomas	Introduction to colloquium data and tools	ML - FB
2:00 pm	Greg Stossmeister	The role of the field catalog and data management in Field Campaigns	ML - FB
2:30 pm	Mentors and guests	Data access exercises: trying the tools out	ML - FB
3:30 pm	<i>Break</i>		
4:00 pm	Vanda Grubišić	Characteristics of successful applications for use of EOL/LAOF facilities: Advice for future applicants	ML - FB
4:30 pm	Mentors and guests	Data access exercises: trying the tools out	ML - FB
5:00 pm	<i>Adjourn</i>		
Tuesday, 5 June			Location
8:30 am	Wojciech Grabowski	Modeling cloud microphysics across scales	ML - MSR
9:15 am	Bob Rauber	MCS convection over land	ML - MSR
10:30 am	<i>Break</i>		
11:00 am	Sue van den Heever	Invited Lecture: Models and Observations - a Two-Way Street to Conducting Successful Scientific Research	ML - MSR
12:00 pm	<i>Lunch (opportunity to chat with speakers)</i>		ML cafeteria
1:00 pm	<i>Drive to RAF</i>		Drive to RAF
1:30 pm	Jorgen Jensen, Teresa Campos	Intro to <i>in situ</i> airborne measurements	RAF

3:30 pm	<i>Break</i>		
3:45pm	<i>Pavel Romashkin, Jeff Stith, Jorgen Jensen, Teresa Campos</i>	Tour of NSF/NCAR aircraft and ARISTO project	RAF
5:00 pm	<i>Adjourn</i>		
Wednesday, 6 June			Location
8:30 am	Chris Bretherton	The subtropical stratocumulus to trade cumulus transition: CSET observations and large eddy simulation	ML - MSR
9:45 am	Jenny Sun	The role of data assimilation in convective modeling	ML - MSR
10:30 am	<i>Break</i>		ML
11:00 am	Rebecca, Jeff and others	<i>NCAR hike or walk</i>	
12:30 pm	Lunch	Lunch	ML
1:30 pm	Chris Davis	The history and structure of WRF	ML - FB
2:00 pm	Mentors and guests	Discuss possible roles for each team member (radar, in situ, model, web expert, etc)	ML - FB
3:30pm	<i>Break</i>		
4:00 pm	Mary Barth	Invited Lecture: Analyzing the Effect of Thunderstorms on Composition with Observations and Models	ML - FB
5:00 pm	<i>Adjourn</i>		
Thursday, 7 June			Location
8:30 am	Bob Rauber	Mesoscale and microscale structure of winter cyclones	ML - MSR
9:30 am	Bob Rauber, Greg McFarquhar	Lecture: PLOWS Science	ML - MSR
10:30 am	<i>Break</i>		

11:00 am	Bart Geerts, Greg McFarquhar	PECAN Science	ML - MSR
12:00 pm	<i>Lunch</i>		
1:00	Drive to FL		
1:30 pm	Wen-Chau Lee, Matt Hayman	Introduction to Radar and Lidar	FL2 - 1022
2:30 pm	Wen-Chau, Scott Ellis, Scott Spuler	Tour of Radar and Lidar systems	FL2 - 1022
3:15 pm	<i>Break</i>		
3:45 pm	Britt Stephens	Evaluating emergent carbon cycle model properties with observations	FL2 - 1022
4:30	Britt Stephens	Tour of carbon and calibration lab	FL
Friday, 8 June			Location
8:30 am	Hugh Morrison	The challenges of the ice phase in modelling.	ML - FB
9:30 am	Mentors and guests	Meet with mentors and guests	ML - FB
10:30 am	<i>Break</i>		
11:00 am	Mentors and guests	Meet with mentors and guests	ML - FB
12:00 pm	<i>Lunch</i>		
1:30 pm	Mentors and guests	Meet with mentors and guests	ML - FB
2:30 pm	<i>Break</i>		
3:00 pm	Adriana Bailey	Of roads not taken: an unusual journey to becoming an atmospheric scientist	ML - FB
3:30 pm	Christina McCluskey	A serendipitous journey from laboratory phytoplankton blooms to global climate models	ML - FB
4:00 pm	Mikael Witte	Invited lecture: Finishing my work as an ASP Post-Doc--how I used models and observations	ML - FB
4:30 pm	McCluskey and Witte	Q and A: Life before and after a Post-Doc--What's it like?	ML - FB

5:00 pm	<i>Adjourn</i>		
Saturday, 9 June			
Excursion to Niwot Ridge Observatory			
8:00 am	Pick-up from Williams Village		
9:00 - 11:00	Drive/hike to Niwot Observatory		
11:00-2:30	Visit sampling sites with Stephens and Bailey		
4:00 pm	Drop-off at Williams Village		
Sunday, 10 June			
<i>Day off</i>			
Monday, 11 June			Location
Session Theme:			
8:30 am	Jeff Stith, Chris Davis, et al	Discussion of Project Status, Q and A, Have each group present a 5 minute presentation on their plans	ML - FB
9:30 am	Mentors and guests		ML - FB
10:30 am	<i>Break</i>		
11:00 am	<i>Andrew Gettleman</i>	Climate & Climate Models: Building Future Weather	ML - FB
12:00 pm	<i>Lunch - opportunity to chat with speakers and other scientists</i>		
1:30 pm	Mentors and guests		ML - FB
2:45 pm	Matt Hayman	How optical engineers work in NCAR research: What kind of work do they do and what skills are needed?	ML - FB
3:15 pm	<i>Break - coffee and outside time</i>		ML

3:45 pm	<i>Janine Aquino</i>	How software engineers work in NCAR research: What kind of work do they do and what skills are needed?	ML - FB
4:15 pm	<i>Josh Carnes</i>	How electrical engineers work in NCAR research: What kind of work do they do and what skills are needed?	ML - FB
4:45 pm	<i>Aquino, Carnes, and Hayman</i>	Q and A	ML - FB
5:00 pm	<i>Adjourn</i>		
Tuesday, 12 June			Location
Session Theme:			
8:30 am	Mentors and guests	Meet with mentors and guests	ML - FB
9:30 am	Mentor and guests	Meet with mentors and guests	ML - FB
10:30 am	<i>Break - coffee and outside time</i>		
11:00	Mentors and guests	Meet with mentors and guests	ML - FB
12:00 am	<i>Lunch</i>		
1:00 pm	<i>Hike outside</i>		
1:45 pm	<i>Mentors and guests</i>	Meet with mentors and guests	ML - FB
3:30 pm	<i>Break</i>		
4:00	<i>Student spokesperson</i>	5-8 minutes of "how's it going?" status	ML - FB
5:00 pm	Evening schedule: <i>"Tips for a successful job search" - short talk by Valerie Sloan</i> <i>Followed by speed-networking session with early career scientists</i>		
6:30 pm	Dinner		
Wednesday, 13 June			Location
Session Theme:			

8:30 am	Mentors and guests	Meet with mentors and guests	ML - FB
9:30 am	Mentors and guests	Meet with mentors and guests	ML - FB
10:30 am	<i>Break</i>		
11:00 am	Mentors and guests	Meet with mentors and guests	ML - FB
12:00 pm	<i>Lunch</i>		ML
1:30 pm	Mentors and guests	Meet with mentors and guests	ML - FB
3:45 pm	<i>Break</i>		
4:15 pm	<i>Brigitte Baeuerle</i>	The challenge of project management in scientific research.	ML - FB
4:45 pm	<i>Brigitte Baeuerle</i>	Q and A about project management	ML - FB
5:00 pm	<i>Adjourn</i>		
Thursday, 14 June			Location
Session Theme:			
8:30 am	Valerie Sloan	Preparing an engaging science talk	ML - FB
9:15 am	all	Time for preparing talks	ML - FB
10:45 am	<i>Break</i>		
11:15 am	Jim Moore	Lessons learned from many years of field campaigns--what can go right and what can go wrong	ML - FB
12:00 pm	<i>Lunch</i>		
1:30 pm	Mentors and guests	Discuss talks with mentors and guests	ML - FB
3:30 pm	<i>Break</i>		
5:00 pm	<i>Adjourn</i>		
Friday, 15 June			Location

Session Theme: Project Summaries			
8:30 am	<u>Project Talk preparation time</u>		ML - FB
10:30 am	<i>Break</i>		ML
11:00 am	<u>Student project summary presentations begin (30 min per team)</u>		ML - MSR
12:30 pm	<i>Lunch</i>		ML
1:30 pm	<u>Student project summary presentations (continued)</u>		ML - MSR
3:00 pm	<i>Break</i>		
3:30 pm	<u>Student project summary presentations (continued)</u>		ML - MSR
4:00 pm	<u>Panel Discussion: What have you learned in the past two weeks and what more would you like to learn?</u>		ML - MSR
4:45 pm	Jeff, Rebecca	<i>Colloquium Wrap Up</i>	ML - MSR
5:00 pm	<i>Adjourn</i>		