

AMERICAN METEOROLOGICAL SOCIETY



Joint 21st Satellite Meteorology, Oceanography and Climatology Conference and 20th Conference on Air-Sea Interaction

15–19 August 2016 Monona Terrace Community and Convention Center Madison, Wisconsin

General Information

JOINT 21ST SATELLITE METEOROLOGY, OCEANOGRAPHY AND CLIMATOLOGY CONFERENCE AND 20TH CONFERENCE ON AIR-SEA INTERACTION

15-19 AUG. 2016

MONONA TERRACE COMMUNITY & CONVENTION CTR

MADISON, WI

ORGANIZERS

The 21st Conference on Satellite Meteorology is organized by the AMS Committee on Satellite Meteorology, Oceanography, and Climatology and is sponsored by the American Meteorological Society.

The 20th Conference on Air-Sea Interaction is organized by the AMS Committee on Air Sea Interaction and is sponsored by the American Meteorological Society.

REGISTRATION RATES

All attendees must register to attend the conference. At this time, registration may be completed on-line or on-site. On-site registration is available with an additional \$20 added to the rate. Please see the main conference web-page for a registration rate listing.

FULL-WEEK REGISTRATION includes: admission to all conference sessions, coffee breaks, poster viewings, icebreaker reception on Mon. and lunches Tues.-Thur.

ONE-DAY REGISTRATION includes: admission to all conference sessions, coffee breaks, poster viewings, and lunch (if Tues.-Thur.) for one calendar day.

REGISTRATION HOURS

The AMS registration desk will be located in Registration Area 3/4 on Level 4 of the Monona Terrace Community and Convention Center and will be open for registration during the following hours:

Sun. 14 August:	5:00 pm - 7:00 pm
Mon. 15 August:	7:30 am - 5:30 pm
Tues. 16 August:	7:30 am - 5:30 pm
Wed. 17 August:	7:30 am - 5:30 pm
Thurs. 18 August:	7:30 am - 5:30 pm
Fri. 19 August:	7:30 am - 12:00 pm

ACCOMMODATIONS

Attendees were responsible for making their own hotel arrangements. All meeting sessions for the conference will be held at the Monona Terrace Community and Convention Center, 1 John Nolen Drive, Madison, WI 53703. All sessions and events will be located on Level 4 except for the Student Mixer and Icebreaker Reception.

Blocks were reserved at a special rate for AMS attendees at the following hotels:
The Madison Concourse Hotel

Hyatt Place Madison/Downtown

Best Western Plus Inn on the Park

Thank you for booking your sleeping room at an official AMS hotel. In doing so, you're helping AMS maintain a strong pick-up history for future hotel contract negotiations, helping to keep registration rates as low as possible.

General Information

CONFERENCE SOCIAL EVENTS:

COFFEE BREAKS

Monday, 15 August	10-10:30am 3-4:30pm	Capitol Promenade Grand Terrace (Poster Viewing)
Tuesday, 16 August	10-10:30am 3-4:30pm	Grand Terrace Grand Terrace (Poster Viewing)
Wednesday, 17 August	10-10:30am 3-4:30pm	Grand Terrace Grand Terrace (Poster Viewing)
Thursday, 18 August	10-10:30am 3-4:30pm	Grand Terrace Grand Terrace (Poster Viewing)
Friday, 19 August	10-10:30am	Grand Terrace

ICEBREAKER RECEPTION

Monday, 15 August, 6-8pm

On Monday evening, we invite attendees to kick off the Joint AMS 21st Satellite Meteorology, Oceanography and Climatology Conference and 20th AMS Conference on Air-Sea Interaction in the Community Terrace (Level 2) of the Monona Terrace Community and Convention Center. Hors d'oeuvres and a cash bar will be available.

BOXED LUNCHES

Tuesday, 16 August, 12-1:30pm

Wednesday, 17 August, 12-1:30pm

Thursday, 18 August, 12-1:30pm

Deli lunches (with plates and brown bags) will be available for conference attendees in Ballroom AB. Attendees are encouraged to eat their lunch in Ballroom AB or bring a bagged lunch into Ballroom CD for a Town Hall Meeting from 12:30-1:30.

STUDENT MIXER

Monday, 15 August, 12-1:30pm

On Monday, we invite students to grab a bagged lunch in the Community Terrace (Level 2) and take part in the student mixer, where they will be able to meet with professionals in their field.

POSTER ROTATIONS

Formal Poster Viewings will be held in the Grand Terrace of the Monona Terrace Community and Convention Center. The set up, preview, presentation, and tear down times are as follows:

Poster #	Set Up After	Poster Viewing	Tear Down By*
I-22 (AirSea)	Mon. at Noon	Mon.-Wed. 3-4:30pm	Thurs. by 6pm
23-75 (SatMet)	Mon. at Noon	Mon.&Tues. 3-4:30pm	Tues. by 6pm
76-127(SatMet)	Wed. at Noon	Wed&Thurs. 3-4:30pm	Thurs. by 6pm

* Note that AMS is not responsible for posters not removed by the tear down time. Coffee, tea, and snacks will be provided during formal poster viewings.

General Information

INTERNET ACCESSIBILITY

AMS has negotiated contracts that provide complimentary wireless internet access in all sleeping rooms for those who booked within the AMS block at an official AMS hotel. Please your hotel's front desk for instructions on accessing the free wifi.

Free wireless is also provided at the Monona Terrace Community and Convention Center. To access the wifi in the meeting space, please see sign posted at the AMS registration desk.

SPECIAL NEEDS

It is our sincere desire to comply fully with both the letter and the spirit of the Americans with Disabilities Act of 1990 (ADA). Attendees with special needs should call the AMS Meetings Dept. at (617) 227-2426 x228, 4–6 weeks prior to the meeting to request special arrangements. Special housing needs should be requested when making hotel reservations.

PROFESSIONAL AND RESPECTFUL CONDUCT AT AMS MEETINGS

AMS is committed to safe and productive meetings for all attendees. Harassment, intimidation, or discrimination of any kind will not be tolerated at any meeting or event associated with the meeting. All communication should be appropriate for a professional audience including people of many different backgrounds. Those who violate the standards of professional and respectful conduct may be asked to leave the meeting immediately and without refund, may not be considered for service on AMS boards and committees, and may be subject to additional legal action.

Harassment, intimidation, or discrimination includes offensive verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion; sexual images in public spaces; deliberate intimidation, stalking, or following; harassing photography or recording; sustained disruption of talks or other events; inappropriate physical contact; and unwelcome sexual attention.

This statement is meant to cover all meeting-associated events, including those sponsored by organizations other than AMS but held in relation to AMS events. This includes the scientific program and exhibitions, as well as receptions, town hall meetings, and other informal or formal gatherings associated with AMS.

BEYOND THE CONFERENCE

Monona Terrace Community and Convention Center opened its doors after nearly 60 years of debate on July 18, 1997. It was first designed by Wisconsin native and internationally-renowned architect Frank Lloyd Wright in 1938 as a cultural, governmental and recreational building. Wright reworked the design several times between 1938 and 1958 before signing off on the final plans seven weeks before his death in 1959. Madison voters approved referenda to construct Monona Terrace – on the same site Wright had originally proposed – as a community and convention center in 1992. While Wright's design was used for the building's exterior, the interior was redesigned by Wright apprentice and Taliesin architect Tony Putnam to house state-of-the-art exhibition, meeting and public space. The Monona Terrace Community and Convention Center has a lot to offer: <http://www.mononaterrace.com/attending-event/things-to-do>

www.visitmadison.com has itineraries designed with you in mind, maps to help you find your way, visitor guides to help you with your planning, and an array of restaurant options to complete your perfect travel experience.

As you enjoy Madison, feel free to download VisitMadison's free app. It's GPS enabled allowing you to easily find dining, shopping, attractions and more within walking distance of your location (<http://www.visitmadison.com/plan-your-trip/planning-tools/mobile-app/>).

FOREWORD

21th Conference on Satellite Meteorology and Oceanography

Welcome to the 21th Conference on Satellite Meteorology and Oceanography, held in Madison, WI on August 15-19, 2016 in conjunction with the 20th Conference on Air-Sea Interaction. We look forward to an intellectually stimulating meeting and are excited to offer this conference that ties together important areas of interdisciplinary research in meteorological and oceanographic studies. The conference kicks off with a joint plenary session with invited papers that address the state of the science, and continues with joint sessions scattered throughout the week that expand on these connections.

This year's Conference consists of over 20 oral sessions, including joint sessions with the Air-Sea Interaction programs. Each day concludes with an extended interactive poster session that is intended to forge new connections and provide ample time for stimulating discussion.

In our first session following Monday's joint plenary we recognize the work of Gregory Mandt and his skilled management of the GOES-R program. Additional sessions scheduled during subsequent days address the science of GOES-R, as well as planned research with the JPSS. Sessions that address the potential of other new generation satellite systems to improve understanding of our environment are also scheduled, as are sessions that discuss ongoing training and education programs, and demonstrate the application of satellite data to forecasting. Additional sessions will also discuss the evolution of the US satellite-based observational network, and will highlight to the future use of microsatellites and nanosatellites. We are confident you will find the meeting to be an intellectually stimulating and professionally productive event.

We have encouraged student contributions, and will be holding a student competition to highlight and reward their work. Prizes will be awarded for outstanding student oral and poster presentations.

The Program Committee thanks the co-chairs of the Air-Sea Interaction Program Committees for their assistance and time spent in organizing this meeting. We particularly thank Jen Ives and the AMS staff for their invaluable assistance and patience with the organization of this conference. We could not hold this meeting without the assistance of our many session chairs who stepped up to help with planning and organizing the meeting.

Program Committee

Jordan Gerth, Steven A Ackerman and Derek Posselt, Conference Co-Chairs

Kenneth F. Carey, Satellite Met/Ocean Committee Chair

Joseph Turk and Shaima Nasiri, co-Chairs for the Student Program

AMS Satellite Meteorology and Oceanography Conference Session Chairs

Steven A. Ackerman, Jordan Gerth, Derek Posselt, Brian Kahn, Steven J. Goodman, Phil Ardanuy, Wayne Feltz, Mitchell Goldberg, Fuzhong Weng, Andrew Heidinger, Christopher Velden, Christopher Ruf, Maria Colton, Jim Gurka, Ethan Nelson, and Justin Tsu

**SATELLITE METEOROLOGY & OCEANOGRAPHY
CONFERENCE SERIES**

DATE	LOCATION	CONFERENCE
25–29 June 1984	Clearwater, FL	(First) Conference on Satellite Meteorology/ Remote Sensing & Applications
13-16 May 1986	Williamsburg, VA	Conference on Satellite Meteorology/ Remote Sensing and Applications
31 Jan.–5 Feb. 1988	Anaheim, CA	Third Conference on Satellite Meteorology & Oceanography
16–19 May 1989	San Diego, CA	Fourth Conference on Satellite Meteorology & Oceanography
3–7 September 1990	London, England	Fifth Conference on Satellite Meteorology & Oceanography
5–10 January 1992	Atlanta, GA	Sixth Conference on Satellite Meteorology & Oceanography
6–10 June 1994	Monterey, CA	Seventh Conference on Satellite Meteorology & Oceanography
28 Jan.–2 Feb. 1996	Atlanta, GA	Eighth Conference on Satellite Meteorology & Oceanography
25–29 May 1998	Paris, France	Ninth Conference on Satellite Meteorology & Oceanography
9–14 January 2000	Long Beach, CA	10th Conference on Satellite Meteorology & Oceanography
15–18 October 2001	Madison, WI	11th Conference on Satellite Meteorology & Oceanography
9–13 February 2003	Long Beach, CA	12th Conference on Satellite Meteorology & Oceanography
20–23 September 2004	Norfolk, VA	13th Conference on Satellite Meteorology & Oceanography
29 Jan.–2 Feb. 2006	Atlanta, GA	14th Conference on Satellite Meteorology & Oceanography
24 Sept. - 28 Sept. 2007	Amsterdam, Netherlands	15th Conference on Satellite Meteorology & Oceanography
January 09 - 17, 2009	Phoenix, AZ	16th Conference on Satellite Meteorology & Oceanography
September 27 - 30, 2010	Annapolis, MD	17th Conference on Satellite Meteorology & Oceanography
January 20 - 26, 2012	New Orleans, LA	18th Conference on Satellite Meteorology & Oceanography
16–20 September 2013	Vienna, Austria	19th Conference on Satellite Meteorology & Oceanography
4–8 January 2015	Phoenix, AZ	20th Conference on Satellite Meteorology & Oceanography
15–19 August 2016	Madison, WI	21st Conference on Satellite Meteorology & Oceanography

FOREWORD

20th Conference on Air-Sea Interaction

Welcome to the 20th Conference on Air-Sea Interaction, held in Madison, WI on August 15-19, 2016 in conjunction with the 21st Conference on Satellite Meteorology, Oceanography and Climatology. The joint conference recognizes the symbiotic relationship between satellite observations and air-sea interaction. Satellite observations play a vital role in studies of coupled air-sea interaction across a broad spectrum of spatial and temporal scales. Meanwhile, developing accurate satellite observations of geophysically relevant information relies critically on processes occurring at the air-sea interface. The frontiers of this nexus include developing accurate and consistently calibrated climate data records from satellite retrievals, developing new measurement techniques and instruments, and revealing new insights into coupled air-sea interaction phenomena which shapes Earth's climate and weather.

The 20th Conference on Air-Sea Interaction consists of 11 oral sessions and 2 poster sessions, as well as a Keynote session and 2 joint oral sessions with the 21st Conference on Satellite Meteorology, Oceanography and Climatology. Two keynote presentations, from Hisashi Nakamura (University of Tokyo) and Steven Miller (CIRA/Colorado State University) will provide a glimpse of the "state of the science" in each area.

Highlighted sessions from the Air-Sea conference include: a special session in honor of the late Ed Andreas on *Sea Surface Processes, including Waves, Spray, Bubbles, and Aerosols*; and a special session on *the Coupled Air-Sea Processes and EM Ducting Research (CASPAR) campaign*. The conference covers the full range of air-sea interaction from the small, surface gravity wave-scale to global climate phenomena such as the Madden Julian Oscillation and Annular Modes.

The American Meteorological Society's Committee on Air-Sea Interaction prioritizes training the next generation of air-sea researchers, and the Committee will again sponsor a student competition at the 20th Conference on Air-Sea Interaction. Cash prizes will be awarded for outstanding oral and poster presentations.

The Program Committee acknowledges the many productive discussions needed for coordinating the joint conferences with the Satellite Meteorology, Oceanography and Climatology Committee. We particularly thank Ken Carey for his enthusiasm in promoting the joint conference, and Jennifer Ives and the AMS staff for their invaluable assistance and patience with the organization of the conferences. Finally, the Air-Sea Interaction Committee thanks all the conference session chairs and participants for their interest and engagement in the successful series of conferences on Air-Sea Interaction.

Program Committee

L. O'Neill, Conference lead organizer

David Richter and R. Justin Small, Conference Co-Chairs

AMS Committee on Air-Sea Interaction

R. Justin Small (Chair), Grant Deane, Larry O'Neill, Henry Potter, David Richter, Qing Wang, Christopher Zappa, Samantha Wills.

Also acknowledging: Magdalene Anguelova, Young-Oh Kwon

**AIR-SEA INTERACTION
CONFERENCE SERIES**

DATE	LOCATION	CONFERENCE
1–3 December 1971	Fort Lauderdale, FL	Conference on Air-Sea Interaction with the Office of Naval Research
31 Jan.–2 Feb. 1972	Fort Lauderdale, FL	Working Symposium on Sea-Sir Chemistry
30 March–2 April 1976	Seattle, WA	Second Conference on Ocean-Atmosphere Interaction
30 Jan.–1 Feb. 1980	Los Angeles, CA	Third Conference on Ocean-Atmosphere Interaction
8–10 June 1982	San Diego, CA	Fourth Conference on Ocean-Atmosphere Interaction
10–13 January 1984	Miami, FL	Fifth Conference on Ocean-Atmosphere Interaction
13–17 Jaunary 1986	Miami, FL	Sixth Conference on Ocean-Atmosphere Interaction
31 Jan.–5 Feb. 1988	Anaheim, CA	Seventh Conference on Ocean-Atmosphere Interaction
28 Jan.–2 Feb. 1996	Atlanta, GA	Eighth Conference on Air-Sea Interaction
11–16 January 1998	Dallas, TX	Ninth Confrence on the Interaction of Sea and Atmosphere
28 May–2 June 2000	Fort Lauderdale, FL	10th Conference on the Interaction of Sea and Atmosphere
14–18 May 2001	San Diego, CA	11th Conference on the Interaction of Sea and Atmsophere
9–13 February 2003	Long Beach, CA	12th Conference on the Interaction of Sea and Atmsophere
9–13 August 2004	Portland, ME	13th Conference on the Interaction of Sea and Atmsophere
29 Jan.–2 Feb. 2006	Atlanta, GA	14th Conference on the Interaction of Sea and Atmsophere
20–24 August, 2007	Portland, OR	15th Conference on Air-Sea Interaction
11–15 Jan, 2009	Phoenix, AZ	16th Conference on Air-Sea Interaction
27 Sept–1 Oct, 2010	Annapolis, MD	17th Conference on Air-Sea Interaction
9–13 July, 2012	Boston, MA	18th Conference on Air-Sea Interaction
4–8 January 2015	Phoenix, AZ	19th Conference on Air-Sea Interaction
15–19 August 2016	Madison, WI	20th Conference on Air-Sea Interaction

21st Conference on Satellite Meteorology

20th Conference on Air-Sea Interaction

15-19 August, 2016

Monona Terrace Community and Convention Center

Madison, WI

AMS Committee on Satellite Meteorology

Kenneth Carey (Chair), Steven Ackerman, Philip Ardanuy, Carol Clayson, Jordan Gerth, Mitchell Goldberg, George Kablick III, Xanglei Huang, Michael Johnson, Brian Kahn, Gary McWilliams, Ethan Nelson, Lars Riishogaard, Rolf Stuhlmann, Justin Tsu, Fuzhong Weng, Song Yang, Jianglong Zhang

21st Conference on Satellite Meteorology Program Committee

Jordan Gerth, Steven A Ackerman and Derek Posselt, Conference Co-Chairs
Joseph Turk and Shaima Nasiri, Co-Chairs for the Student Program

AMS Committee on Air-Sea Interaction

R. Justin Small (Chair), Grant Deane, Larry O'Neill, Henry Potter, David Richter, Qing Wang, Christopher Zappa, Samantha Wills.

20th Conference on Air-Sea Interaction Program Committee

L. O'Neill, Conference Lead Organizer
David Richter and R. Justin Small, Conference Co-Chairs

Monday, August 15

10:00–10:30 A.M.	Coffee Break—Capitol Promenade
12:00–1:30 P.M.	Lunch Break
12:00–1:30 P.M.	Student Mixer—Community Terrace
3:00–4:30 P.M.	Formal Poster Viewing/Coffee Break— Grand Terrace
6:00–8:00 P.M.	Icebreaker – Community Terrace

8:50 A.M.–10:00 A.M.

21SATMET / 20ASI

Joint Session I: STATE OF THE SCIENCE KEYNOTE
—MADISON BALLROOM CD

Co-Chair(s): Steve A. Ackerman, CIMSS, Madison, WI, Larry W. O'Neill, Oregon State Univ., Corvallis, OR

8:50A.M. Welcoming Remarks

9:00 A.M.

J1.2 *Potential Importance of a Midlatitude SST Front for the Annular-Mode Variability: Inter-Basin Differences in the Southern Annular-Mode Signatures.* **Hisashi Nakamura**, Univ. of Tokyo, Tokyo, Japan

9:30 A.M.

J1.3 *Advances in Day/Night Band Science and Applications: Making Good on Promises of the Moon.* **Steven D. Miller**, CIRA/Colorado State Univ., Fort Collins, CO; C. Combs, W. C. Straka III, C. J. Seaman, M. Setvak, A. Heidinger, A. Walther, Y. J. Noh, J. Solbrig

10:30 A.M.–12:00 P.M.

21SATMET

Session I: CELEBRATING THE NATION'S OPERATIONAL ENVIRONMENTAL SATELLITES: PAST, PRESENT AND FUTURE—A SPECIAL SESSION HONORING GREGORY ("GREG") MANDT —MADISON BALLROOM CD

Co-Chair(s): Steven J. Goodman, NOAA/NESDIS/GOES-R Program Office, Greenbelt, MD, Mitch Goldberg, JPSS, Lanham, MD

10:30 A.M.

I.1 *The Future of NOAA Satellites: The NOAA Observing System Architecture Study (Invited Presentation).* **Karen St. Germain**, NOAA/NESDIS, Silver Spring, MD; S. M. Volz

10:45 A.M.

I.2 *From LEO to GEO—A Joyful Career with Weather Satellites (Invited Presentation).* **Greg Mandt**, Greenbelt, MD

11:00 A.M.

I.3 *Joint Polar Satellite System: The United States Next Generation Civilian Polar Orbiting Environmental Satellite System (Invited Presentation).* **Harry Cikanek**, JPSS, Lanham, MD; A. Mehta, M. Goldberg

11:15 A.M.

I.4 *R2O with GOES: Remembering GIMPAP & GOES-R Risk Reduction (Invited Presentation).* **Paul Menzel**, Univ. of Wisconsin, Madison, WI

11:30 A.M.

I.5 *Preparing for the onset of GOES-R ABI data through development and training (Invited Presentation).* **Bill Ward**, NWS, Honolulu, HI

I.6 WITHDRAWN

10:30 A.M.–12:00 P.M.

20ASI

Session I: SEA SURFACE PROCESSES, INCLUDING WAVES, SPRAY, BUBBLES, AND AEROSOL (Special Session in Honor of Ed Andreas) PART I –LECTURE HALL

Co-Chair(s): David H. Richter, Univ. of Notre Dame, South Bend, IN, Samantha Willis, Colorado State Univ., Fort Collins, CO

10:30 A.M.

I.1 *Edgar L Andreas, 1946–2015, In Remembrance.* **Edward C. Monahan**, Univ. of Connecticut, Groton, CT

11:00 A.M.

I.2 *A Unified Air-Sea Flux Parameterization Incorporating Winds, Waves, and Sea Spray Generation.* **Christopher W. Fairall**, NOAA/ESRL/PSD, Boulder, CO; M. L. Banner, R. P. Morison

11:15 A.M.

I.3 *Parameterizations of Whitecap Fraction: Status Update.* **Magdalena D. Anguelova**, NRL, Washington, DC

11:30 A.M.

I.4 *Constraining Sea Spray Aerosol Productivity with Satellite Observations.* **Marcin L. Witek**, JPL, Pasadena, CA; D. J. Diner, M. Garay

11:45 A.M.

I.5 *Impact of Droplets on Latent and Sensible Heat Flux at the Air-Sea Interface.* **Tianze Peng**, Univ. of Notre Dame, Notre Dame, IN; D. H. Richter

1:30 P.M.–3:00 P.M.

21SATMET

Session 2: HOW SATELLITE DATA ARE BEING USED TO ADVANCE OUR UNDERSTANDING OF FUNDAMENTAL WEATHER & CLIMATE PROCESSES IN THE ATMOSPHERE, OCEANS, LAND SURFACE, & CRYOSPHERE PART I –MADISON BALLROOM CD

Co-Chair(s): Philip E. Ardanuy, INNOVIM, Silver Spring, MD, Ethan L. Nelson, Univ. of Wisconsin, Madison, WI

1:30 P.M.

2.1 *Leveraging A-Train Observations to Examine Arctic Cloud Processes in the Community Earth System Model.* **Elin A. McIlhattan**, Univ. of Wisconsin, Madison, WI; T. S. L'Ecuyer

1:45 P.M.

2.2 *Recent Improvements and Observations of Super Rapid Scan Mesoscale Atmospheric Motion Vector Flow Fields over Deep Convection.* **Jason Apke**, Univ. of Alabama, Huntsville, AL; J. R. Mecikalski, C. P. Jewett, E.W. McCaul Jr., L. D. Carey

2:00 P.M.

2.3 *Latent Heat Release from Warm Rain over the Global Oceans and its Connection to the Large-Scale Environment.* **Ethan L. Nelson**, Univ. of Wisconsin, Madison, WI; T. S. L'Ecuyer

2:15 P.M.

2.4 *Observed Changes in the Morphology of TRMM Precipitation Features in the ITCZ.* **Kyle Robert Wodzicki**, Texas A&M, College Station, TX; A. D. Rapp

21SATMET (Session 2 Continued)

2:30 P.M.

2.5 *The Influence of Tropical Convection on the Transport and Removal of Saharan Dust.* **Kathryn Sauter**, Univ. of Wisconsin, Madison, WI; T. S. L'Ecuyer

2:45 P.M.

2.6 *Unique multispectral cloud properties of cyclones entrained with large amounts of desert dust.* **George P. Kabilk**, NRL, Washington, DC; M. Fromm

1:30 P.M.–3:00 P.M.

20ASI

Session 2: SEA SURFACE PROCESSES, INCLUDING WAVES, SPRAY, BUBBLES, AND AEROSOL (Special Session in Honor of Ed Andreas) PART II –LECTURE HALL

Co-Chair(s): David H. Richter, Univ. of Notre Dame, South Bend, IN, Samantha Willis, Colorado State Univ., Fort Collins, CO

1:30 P.M.

2.1 *Separating Wave and Ice Signatures from Shipbased Lidar and IR Thermometer.* **P. Ola G. Persson**, CIRES/Univ. of Colorado and NOAA/ESRL/Physical Sciences Division, Boulder, CO; B.W. Blomquist, C.W. Fairall

1:45 P.M.

2.2 *Small-Scale Airflow Dynamics Above Surface Waves.* **Marc Buckley**, Helmholtz-Zentrum Geesthacht, Geesthacht, Germany; F.Veron

2:00 P.M.

2.3 *A kinetic model for particle-surface interaction applied to rain falling on water waves.* **Fabrice Veron**, Univ. of Delaware, Newark, DE; L. Mieussens

2:15 P.M.

2.4 *Air-Sea Interactions in Light of New Understanding of Air-Land Interactions.* **Jielun Sun**, NCAR, Boulder, CO; J. French

2:30 P.M.

2.5 *Laboratory Observations of Short Wave Hydrodynamic Modulation by Gravity Waves.* **Nathan J. M. Laxague**, Univ. of Miami/RSMAS, Miami, FL; B. K. Haus, M. Curcic, J.V. Bjorkvist

2:45 P.M.

2.6 *Understanding Ocean Surges And Possible Signals Over The Nigerian Coast Using a Multi-Model Ensemble of the Sub-Seasonal to Seasonal Forecasts.* **Eniola Ajani Olaniyan**, Federal Univ. of Technology Akure, Nigeria

4:30 P.M.–5:30 P.M.

21SATMET

Session 3: USING SATELLITE DATA TO ASSESS CONVECTION AND CONVECTIVE POTENTIAL – MADISON BALLROOM CD

Co-Chair(s): Wayne Feltz, CIMSS, Madison, WI; Christopher Velden, Madison, WI

4:30 P.M.

- 3.1** *Using NUCAPS Retrievals to Diagnose Pre-Convective Environments over the United States.* **John F. Dostalek**, CIRA/Colorado State Univ., Ft. Collins, CO; D.T. Lindsey, J. M. Haynes

4:45 P.M.

- 3.2** *Short Range Forecasts of Convective Destabilization Using Information from the Advanced Himawari Imager.* **Robert M. Aune**, NESDIS, Madison, WI; L. M. Crance, R.A. Petersen

5:00 P.M.

- 3.3** *Evaluation of Microphysics and Cumulus Parameterization Schemes in the HWRF Model Using Satellite Infrared Brightness Temperatures.* **Jason Otkin**, Univ. of Wisconsin, Madison, WI; W. E. Lewis, A. L. Lenzen, B. McNoldy, S. J. Majumdar

5:15 P.M.

- 3.4** *Using Passive Microwave Imagery to Develop Objective Tropical Cyclone Structure and Intensity Analysis and Improved Near-Realtime Products.* **Joshua Cossuth**, Monterey, CA; R. L. Bankert, K. Richardson

4:30 P.M.–5:30 P.M.

20ASI

Session 3: AIR-SEA INTERACTIONS IN HIGH WIND CONDITIONS – LECTURE HALL

Co-Chair(s): Larry W. O'Neill, Oregon State Univ., Corvallis, OR; Brandon Reichl, Univ. of Rhode Island, Narragansett, RI

4:30 P.M.

- 3.1** *Airborne Measurements of the Turbulence Field in the Marine Atmospheric Boundary Layer Under Strong Wind Conditions: Impact of Coherent Structures on Vertical Exchanges.* **Pierre-Etienne Brilouet**, CNRS, Toulouse, France; P. Durand, G. Canut

4:45 P.M.

- 3.2** *Estimating Air-Sea Energy and Momentum Exchanges inside Tropical Cyclones Using the Fetch- and Duration-Limited Wave Growth Properties.* **Paul A. Hwang**, NRL, Washington, DC; Y. Fan

5:00 P.M.

- 3.3** *Wave and Wind Direction Effects on Ocean Surface Emissivity in High Wind Conditions.* **Heather M. Holbach**, Florida State Univ., Tallahassee, FL; E.W. Uhlhorn, M.A. Bourassa, B.W. Klotz

5:15 P.M.

- 3.4** *The reliability of using dropsondes for high-wind air-sea flux estimates.* **David H. Richter**, Univ. of Notre Dame, South Bend, IN; R. Bohac, D. P. Stern

Tuesday, August 16

10:00–10:30 A.M. Coffee Break—Grand Terrace

12:00–1:30 P.M. Boxed Lunches—Madison Ballroom AB

3:00–4:30 P.M. Formal Poster Viewing/Coffee Break—Grand Terrace

8:30 A.M.–10:00 A.M.

21SATMET

Session 4: DEVELOPMENT OF APPLICATIONS AND INNOVATIVE METHODS OF PROCESSING, COMBINING, ASSIMILATING & ANALYZING SATELLITE OBSERVATIONS OF THE LAND, OCEAN/WATER, & ATMOSPHERE PART I – MADISON BALLROOM CD

Co-Chair(s): Fuzhong Weng, NOAA/NESDIS, College Park, MD; Kenneth Carey, ERT, Inc., Laurel, MD

8:30 A.M.

- 4.1** *Making Satellite Retrievals Compatible with NWP Background Fields for NWP Data Assimilation.* **William L. Smith**, Univ. of Wisconsin, Madison, WI; E. Weisz

8:45 A.M.

- 4.2** *New Satellite Observations for Monitoring and Forecasting Hurricanes and Severe Storms.* **Fuzhong Weng**, NOAA/NESDIS, College Park, MD

9:00 A.M.

- 4.3** *The Impact of Assimilation of GPM Clear Sky Radiance on HWRF Hurricane Track and Intensity Forecasts.* **Chau Lam Yu**, Univ. of Utah, Salt Lake City, UT; Z. Pu

9:15 A.M.

- 4.4** *Implementation of a Global Dust Physical Sea Surface Temperature Retrieval For Numerical Weather Prediction Applications.* **Mayra I. Oyola**, NRL, Monterey, CA; N. R. Nalli, S. Lu, E. Joseph, V. R. Morris

9:30 A.M.

- 4.5** *Assimilation of Satellite Track Wind and GNOS Bending Angle Data in Rainy Environment.* **Gang Ma**, NSMC, Beijing, China

9:45 A.M.

- 4.6** *Improving Satellite Derived Rainfall Products: Bayesian Approach.* **Margaret Kimani**, Enschede, Netherlands

8:30 A.M.–10:00 A.M.

20ASI

Session 4: AIR-SEA INTERACTION AND ITS EFFECTS ON ELECTROMAGNETIC WAVE PROPAGATION: RESULTS FROM CASPER (Coupled Air-Sea Processes & Em Ducting Research) PART I –LECTURE HALL

Co-Chair(s): Qing Wang, NPS, Monterey, CA, Djamal Khelif, Univ., Irvine, CA

8:30 A.M.

4.1 Air-Sea Interaction Related to Characterizing Electromagnetic Wave Propagation in the Atmosphere – CASPER Science Objectives and Measurement Strategy. **Qing Wang**, NPS, Monterey, CA; R. Burkholder, T. de Paolo, H. J. S. Fernando, T. Haack, T. Hanley, T. R. Holt, K. Horgan, H. H. Jonsson, D. Khelif, W. Nuss, T. Rogers, I. Savelyev, R. K. Shearman, L. Shen, C. Yardim

8:45 A.M.

4.2 Analysis of Refractive-Index Layer Observations during CASPER-East. **H.J.S. Fernando**, Univ. of Notre Dame, Notre Dame, IN; A. J. Christman, L. S. Leo, E. D. Creegan, B. W. Blomquist, C. W. Fairall

9:00 A.M.

4.3 Marine Atmospheric Boundary Layer Profiling during the CASPER Campaign. **A.J. Christman**, Univ. of Notre Dame, Notre Dame, IN; L. S. Leo, E. D. Creegan, Q. Wang, C. Hocut, H. J. S. Fernando, D. Grober

9:15 A.M.

4.4 Characteristics of Surface Layer Scalar Profiles Using In-Situ Measurements in an Undisturbed Marine Environment. **Denny P. Alappattu**, NPS, Monterey, CA; Q. Wang, R. Yamaguchi, R. J. Lind, J. Kalogiros, R. B. Rainer

9:30 A.M.

4.5 Air-Sea/Land Interaction in Coastal Zone during CASPER-2015. **Andrey A. Grachev**, Univ. of Colorado CIRES/NOAA/ESRL, Boulder, CO; L. S. Leo, H. J. S. Fernando, C. W. Fairall, B. W. Blomquist, C. M. Hocut

9:45 A.M.

4.6 Air-sea exchange influence on boundary layer moisture and atmospheric refraction. **Tracy Haack**, NRL, Monterey, CA; Q. Wang

10:30 A.M.–12:00 P.M.

21SATMET

Session 5: JPSS –MADISON BALLROOM CD

Co-Chair(s): Mitch Goldberg, JPSS, Lanham, MD, Andrew Heidinger, NOAA, Madison, WI

10:30 A.M.

5.1 Society Benefiting from a Global Constellation of Polar-orbiting Satellites. **Mitchell Goldberg**, JPSS, Lanham, MD; F. Kogan, I. Csiszar, S. Kondragunta, C. Elvidge

10:45 A.M.

5.2 Preparing for VIIRS Imagery from JPSS-1. **Donald W. Hillger**, NOAA/NESDIS, Fort Collins, CO; T. J. Kopp, S. D. Miller, C. J. Seaman, J. Torres, D. T. Lindsey

21SATMET (Session 5: continued)

11:00 A.M.

5.3 Consistency of reflected moonlight based nighttime cloud properties and precipitation product with its daytime equivalent. **Andi Walther**, CIMSS, Madison, WI; S. D. Miller, A. Heidinger

11:15 A.M.

5.4 Hyper-spectral Infrared Sensor CrIS Sensor Data Record Long-term Radiometric and Spectral Accuracy and Stability. **Yong Chen**, ESSIC/Univ. of Maryland, College Park, MD; Y. Han, F. Weng

11:30 A.M.

5.5 Estimation of Tropical Cyclone Intensity Using the CIMSS ATMS Tropical Cyclone Intensity Algorithm. **Derrick Herndon**, CIMSS, Madison, WI; C. S. Velden

5.6 WITHDRAWN

11:45 A.M.

5.6A Integration, Monitoring and Applications of the NOAA Operational VIIRS Active Fire Product. **Marina Tsidulko**, IMSG, College Park, MD; I. A. Csiszar, L. Giglio, W. Schroeder

10:30 A.M.–12:00 P.M.

20ASI

Session 5: AIR-SEA INTERACTION AND ITS EFFECTS ON ELECTROMAGNETIC WAVE PROPAGATION: RESULTS FROM CASPER (Coupled Air-Sea Processes & EM Ducting Research) PART II –LECTURE HALL

Co-Chair(s): Joe Fernando, Arizona State Univ., Tempe, AZ, Lian Shen, Univ. of Minnesota, Minneapolis, MN

10:30 A.M.

5.1 Turbulence Measurements with the Controlled Towed Vehicle and its tow Aircraft during CASPER East. **Djamal Khelif**, Univ. of California, Irvine, CA; J. Barge, R. T. Yamaguchi, H. Jonsson, Q. Wang

10:45 A.M.

5.2 Flux Buoy, Ship Turbulence Measurements and Wind-Wave Coupling in the Atmospheric Wave Boundary Layer. **John Kalogiros**, National Observatory of Athens, Athens, Greece; Q. Wang, R. Yamaguchi, R. J. Lind, P. Portalakis, M. Tombrou, A. De Paolo

11:00 A.M.

5.3 LES of Stratified Marine Atmospheric Boundary Layer over Waves. **Tao Cao**, Univ. of Minnesota, Minneapolis, MN; L. Shen

11:15 A.M.

5.4 Numerical Investigation of the Impact of Sea Spray Droplets on Air-Sea Boundary Layer. **Lian Shen**, Univ. of Minnesota, Minneapolis, MN; C. Liu, S. Tang, Y. Dong

11:30 A.M.

5.5 Observations of the Fall Breakdown of Stratification on the Mid Atlantic Bight Shelf. **R. Kipp Shearman**, Oregon State Univ., Corvallis, OR; Q. Wang, H. J. S. Fernando, I. Lozovatsky, A. Sanchez, A. J. Christman, S. Pierce

11:45 A.M.

5.6 Mixing on the Carolina Shelf and at the Gulf Stream Front near the Shelf Break during 2015 CASPER East. **Iossif Lozovatsky**, Univ. of Notre Dame, Notre Dame, IN; J. Planella, H. J. S. Fernando, R. K. Shearman, A. Sanchez, Q. Wang

12:30 P.M.–1:30 P.M.

21SATMET / 20ASI

Town Hall Meeting : MICROSATELLITES AND NANOSATELLITES –MADISON BALLROOM CD

Moderator: Christopher Velden, Madison, WI

1:30 P.M.–3:00 P.M.

21SATMET

Session 6: POTENTIAL OF NEW GENERATION SATELLITE SYSTEMS TO IMPROVE WEATHER, CLIMATE, & OTHER ENVIRONMENTAL DATA PRODUCTS; ENHANCE USER APPLICATION & SERVICES, & CONTRIBUTE TO BLENDED & FUSED SATELLITE DATASETS PART I –MADISON BALLROOM CD

Co-Chair(s): Song Yang, NRL, Monterey, CA, Christopher Velden, Madison, WI

1:30 P.M.

6.1 *Environmental Information in Every Decision.* **Philip E. Ardanuy**, INNOVIM, Greenbelt, MD; D. S. Green, G. Komar, S. Marley, P. P. Neilley, C. Schueler

1:45 P.M.

6.2 *Absolute Radiance Interferometer (ARI) for the CLARREO Pathfinder: Overview and Status (Part-I).* **Henry. E. Revercomb**, Univ. of Wisconsin, Madison, WI; F.A. Best, J. K. Taylor, P.J. Gero, D. C. Tobin, R. O. Knuteson, D. Adler, C. Pettersen, M. Mulligan, J. Wong, M. Schwarz, D. Thielman

2:00 P.M.

6.3 *Absolute Radiance Interferometer (ARI) for the CLARREO Pathfinder: On-Orbit Verification and Test (Part-2).* **Fred A. Best**, Univ. of Wisconsin, Madison, WI; H. E. Revercomb, J. K. Taylor, P. J. Gero, D. Adler, C. Pettersen, R. O. Knuteson, D. Tobin, J. Wong, M. Schwarz, D. Thielman, M. Mulligan, J. A. Dykema

2:15 P.M.

6.4 *Measuring Earth's Radiation Imbalance using Cubesat Constellations.* **William D. Collins**, LBNL, Berkeley, CA; D. Feldman, S. Lorentz, L. Dyrud, T. J. Immel

2:30 P.M.

6.5 *The TROPICS smallsat tropical cyclone mission: High temporal resolution microwave imagery as part of NASA's third Earth Venture-Instrument (EVI-3) program.* **William J. Blackwell**, MIT, Lexington, MA; S.A. Braun, R. Bennartz, C. S. Velden, M. DeMaria, R. Atlas, J. P. Dunion, F. D. Marks Jr., R. Rogers

2:45 P.M.

6.6 *Impact Analysis of LEO Hyperspectral Sensor IFOV size on the next generation high-resolution NWP model forecast performance.* **Agnes Lim**, CIMSS/Univ. of Wisconsin, Madison, WI; Z. Li, J. A. Jung, H. L. Huang, J. Woollen, F. W. Nagle, G. Quinn, S. B. Healy, J. Otkin, M. Goldberg, R. Atlas

1:30 P.M.–3:00 P.M.

20ASI

Session 6: SURFACE WAVE EFFECTS ON TURBULENCE AND AIR-SEA INTERACTION, FROM SMALL TO CLIMATE SCALE –LECTURE HALL

Co-Chair(s): Christopher J. Zappa, Columbia Univ., Palisades, NY, Marc Buckley, Helmholtz-Zentrum Geesthacht, Germany

1:30 P.M.

6.1 *Impact of sea-state dependent Langmuir turbulence on the ocean response to tropical cyclones.* **Brandon Reichl**, Princeton Univ., Princeton, NJ; I. Ginis, T. Hara, D. Wang, T. Kukulka

1:45 P.M.

6.2 *Simulation of air-sea interaction in a turbulent opposing wind.* **Xianyun Wen**, Univ. of Leeds, Leeds, UK

2:00 P.M.

6.3 *Impact of Surface Waves on Atmospheric/Ocean Numerical Model Simulations.* **Lichuan Wu**, Uppsala Univ., Uppsala, Sweden; A. Rutgersson, E. Sahlée

2:15 P.M.

6.4 *Large Eddy Simulation of Momentum and Scalar Transport in Turbulent Flow Over Resolved Laboratory Breakers.* **Peter P. Sullivan**, NCAR, Boulder, CO; M. L. Banner, R. P. Morison, W. L. Peirson

2:30 P.M.

6.5 *Laboratory measurements of the inception and evolution of centimeter-scale Langmuir Turbulence.* **Fabrice Veron**, Univ. of Delaware, Newark, DE; Y. Ma, M. Buckley, A. Tejada-Martinez, A. Hafsi

2:45 P.M.

6.6 *On the variation of the effective breaking strength in oceanic sea states.* **Christopher J. Zappa**, Columbia Univ., Palisades, NY; M. L. Banner, R. P. Morison, S. E. Brumer

4:30 P.M.–5:30 P.M.

21SATMET / 20ASI

Joint Session 2: SATELLITE MEASUREMENTS OF AIR-SEA INTERACTION PROCESSES –MADISON BALLROOM CD

Chair(s): Marie C. Colton, Silver Spring, MD

4:30 P.M.

J2.1 *Difference Between Ocean Surface Wind and Stress Variability.* **W.Timothy Liu**, JPL, Pasadena, CA; X. Xie

4:45 P.M.

J2.2 *The Salinity Processes in the Upper Ocean Regional Study-2 (SPURS-2) Mission, Observing the Effects of Precipitation on the Salinity Structure.* **Aaron Paget**, Univ. of Connecticut, Groton, CT; J. B. Edson, C. A. Clayton

5:00 P.M.

J2.3 *Postfrontal Convective Snow: A Local to Global Observational Perspective.* **Mark S. Kulie**, Univ. of Wisconsin, Madison, WI; C. Pettersen, J. Lenters

5:15 P.M.

J2.4 *Passive microwave remote sensing of surface turbulent fluxes: the role of clouds and statistics.* **J. Brent Roberts**, NASA/MSFC, Huntsville, AL; C. A. Clayton, C. B. Blankenship

20ASI**Poster Session I: AIR-SEA POSTERS –GRAND TERRACE**

1 A Numerical Study of Urban Heat Island Characteristics and Local Circulation in Hong Kong Using a Multilayer Urban Parameterization. **Yi Wang**, Univ. of Hong Kong, Hong Kong, Hong Kong; S. Di Sabatino, A. Martilli, Y. Li, P.W. Chan

2 WITHDRAWN

3 Mesoscale Air-Sea interaction in coastal oceans. **Yuntao Wang**, Univ. of Georgia, Athens, GA

4 Empirical Model for Sea Spray Production. **Michael H. Bettenhausen**, NRL, Washington, DC; J. Prytherch, M. D. Anguelova, I. M. Brooks, S. J. Norris, I. B. Savelyev, M. J. Yelland, R. W. Pascal, D. J. Salisbury

5 Eurasia-North Pacific Oscillation in Atmospheric Mass Variations Independent of AO and Its Links to Winter Climate Anomalies. **Qian Zhang**, Nanjing Univ., Nanjing, China; Z. Guan

6 Mechanistic Analysis of the Suppressed Convective Anomaly Precursor Associated with the Initiation of Primary MJO Events over the Tropical Indian Ocean. **Jiangyu Mao**, IAP, Beijing, China

7 Changes of the Moisture Budget over the Southeast Tibetan Plateau and its influences on the precipitation of China in Summer. **Yuanfa GONG**, Chengdu Univ., Chengdu, China

8 Spatial Patterns and Intensity of the Winter Surface Storm Tracks in the CESM, GFDL and GISS CMIP5 Models. **Young-Oh Kwon**, WHOI, Woods Hole, MA; J. Booth, R. J. Small, S. Ko, R. Msadek

9 The Intraseasonal Oscillations and Submonthly Wave Patterns over the Western North Pacific. **Ken-Chung Ko**, National Kaohsiung Normal Univ., Kaohsiung, Taiwan; J. H. Liu

10 Impact of SST Resolution on Numerical Sea Breezes over Complex Coastal Regions. **Kelly Lombardo**, Univ. of Connecticut, Groton, CT; E. Sinsky, J. B. Edson, M. Whitney

11 SeaFlux-CDR: Developing a multi-platform remotely sensed turbulent flux climate data record. **J. Brent Roberts**, NASA/MSFC, Huntsville, AL; C.A. Clayson, J. Brown

12 Development of a 28-Year (1987-2014) Climatology of Single and Multi-sensor Satellite-based Retrievals of Near-surface Humidity and Temperature. **Darren L. Jackson**, CIRES/Univ. of Colorado, Boulder, CO; G.A. Wick

13 lake-atmosphere feedbacks in a coupled regional climate model over the Great Lakes. **Xinyu Ye**, Michigan Technological Univ., Houghton, MI; P. Xue

14 Refractive Conditions under different mesoscale flow regimes during CASPER-East Field Campaign. **Marcela Ulate**, NPS, Monterey, CA; Q. Wang, T. Haack, T. Holt

15 The Great Lakes Evaporation Network (GLEN): Building an Integrated Observing System for Great Lakes Flux Measurements. **John Lenters**, LimnoTech, Ann Arbor, MI; P. D. Blanken, C. Spence

20ASI (Poster Session I Continued)

16 Observations of the Interaction Between a Storm and the North Pacific Warm Anomaly, aka The Blob. **Briana Phillips**, Oregon State Univ., Corvallis, OR; L.W. O'Neill

17 Addition of Langmuir Turbulence in a Hierarchy of Vertical Mixing Parameterizations for Ocean Climate Modeling. **Brandon Reichl**, Princeton Univ., Princeton, NJ; S. Griffies, A. Adcroft, R. Hallberg

18 Autonomous Wave Glider – New Type of Measurement Platform for Air-Sea Interaction Research. **Ryan Yamaguchi**, NPS, Monterey, CA; R. J. Lind, Q. Wang, J. Kalogiros

19 Uncertainty in Radar Performance Due to Evaporation Ducting. **Eric P. Hassey**, MIT, Lexington, MA; H. Iskenderian, R. W. Havener, E. Anesta

20 Airborne observations of Langmuir turbulence during CASPER experiment. **Ivan Savelyev**, NRL, Washington, DC

21 Obtaining Accurate Sea Surface Skin Temperature from Multiple Data Sources during the CASPER-East Field Campaign. **Denny P. Alappattu**, NPS, Monterey, CA; Q. Wang, R. Yamaguchi, R. J. Lind, R. M. Reynolds, J. Kalogiros, A. J. Christman

22 New Concept of Oceanic Overturning Circulation and the Role of Water Vapor in Maintaining Atmospheric Meridional Circulation. **Wei Huang**, Houston, TX

21SATMET**Poster Session I: MONDAY/TUESDAY SATELLITE METEOROLOGY POSTER SESSION –GRAND TERRACE**

23 NOAA Operational Satellite Derived Oceanic Heat Content Products. **Eileen Maturi**, NOAA/NESDIS, College Park, MD

24 Regional and Semi-Global Distribution of Albedo and Absorbed Solar Radiation at the Top of Atmosphere. **Maksim Yu. Cherviakov**, Saratov State Univ., Saratov, Russian Federation; A. I. Kotuma, M. B. Bogdanov

25 Geostationary satellite-based 6.7 μ m band best water vapor information layer analysis over the Tibetan Plateau. **Yufei Ai**, CIMSS/SSEC, Univ. of Wisconsin, Madison, WI; D. Di, J. Li, W. Shi, N. Lu

26 Deep Convective Cloud Identifications from both Broadband and Hyperspectral Infrared Measurements. **Yufei Ai**, CIMSS/SSEC, Univ. of Wisconsin, Madison, WI; W. Shi, J. Li

27 Refining the CLARREO Mission By Correlating Ozone and Temperature Profiles With IASA Five-Year Variances Infrared Brightness Temperature Spectra. **Ester Nikolla**, CIMSS, Madison, WI; R. Knuteson, M. Feltz, H. E. Revercomb

28 Impact of satellite radiance observations in high resolution data assimilation systems. **Joel Bedard**, EC, Dorval, QC, Canada; M. Buehner, J. F. Caron

29 Satellite retrieval of convective thermals and updraft speeds at cloud base. **Youtong Zheng**, Univ. of Maryland, College Park, MD; D. Rosenfeld, Z. Li

2ISATMET (Poster Session I Continued)

30 NOAA's Joint Polar Satellite System's Proving Ground and Risk Reduction (PGRR) Program—PGRR Projects Ready to Aid in Responding to Current and Future Severe Environmental Events. **Bill Sjoberg**, NESDIS/JPSS, Lanham, MD; D. M. Goldberg

31 Near Real-Time Earth Radiation Budgets using the FLASH CERES Data. **David P. Kratz**, NASA, Hampton, VA; P. Stackhouse Jr., P. K. Sawaengphokhai, S. K. Gupta, A. C. Wilber

32 Effect Analysis of ATMS and CrIS Data Assimilation for Weather Element Forecasts over Tibetan Plateau. **Tong Xue**, NUIST, Nanjing, China; Z. Guan, J. Xu, M. Shao

33 Impact of Enhanced Atmospheric Motion Vectors on Forecasts of Rapid Intensification of Hurricane Gonzalo with HWRF. **Shixuan Zhang**, Univ. of Utah, Salt Lake City, UT; Z. Pu, C. S. Velden

34 NOAA's Joint Polar Satellite System's (JPSS) Proving Ground and Risk Reduction (PGRR) Program—JPSS Products Being Used to Address NOAA's Weather, Ocean and Climate Challenges. **Bill Sjoberg**, NESDIS/JPSS, Lanham, MD; D. M. Goldberg

35 GeolPS: Next Generation Satellite Data Processing Capability at NRL. **Mindy Surratt**, NRL, Monterey, CA; K. Richardson, J. Cossuth, A. P. Kuciauskas, R. Bankert

36 The Effect of Cloud Type on Earth's Energy Balance. **Yun Hang**, Univ. of Wisconsin, Madison, WI; T. S. L'Ecuyer

37 CrIMSS Temperature and Water Vapor Retrieval Validation Using ARM Site Atmospheric State Best Estimates and GPS RO COSMIC. **Lori A. Borg**, CIMSS, Madison, WI; M. L. Feltz, D. C. tobin, R. O. Knuteson, T. Reale, D. J. Holdridge, J. H. Mather, Q. Liu

38 CrIS Cloud clearing using VIIRS and application to Hurricane forecast. **Xinya Gong**, IAP, Beijing, China; Z. Li, J. Li, P. Wang, H. Liu, A. Collard, M. Goldberg

39 Detection and Inventory of Intense Pyroconvection in Western North America using GOES-15 Daytime Infrared Data. **David A. Peterson**, NRL, Monterey, CA; J. Solbrig, E. Hyer, M. Fromm, M. Surratt, J. R. Campbell

40 Towards Continuity in Cloud Top Height from MODIS to the Joint Polar Satellite System (JPSS) Polar-Orbiting Sensors. **Bryan A. Baum**, Univ. of Wisconsin, Madison, WI; P. Menzel, A. Heidinger, I. Gladkova

41 Polar2Grid: Reprojecting Satellite Data Made Easy. **David Hoese**, CIMSS, Madison, WI; K. Strabala

42 Deriving CERES fluxes from geostationary radiances. **Forrest J. Wrenn**, SSAI, Hampton, VA; D. R. Doelling, L. T. C. Nguyen, R. Rajalekshmy

43 Joint Polar Satellite System (JPSS) Data Products—End-to-End Product Lifecycle. **Arron Layns**, JPSS, Lanham, MD

44 African Dust Property Retrieval and Cloud Detection from Hyperspectral Infrared Radiances using Optimal Estimation. **Walter R. Sessions**, CIMSS, Madison, WI; R. Holz, J. S. reid

2ISATMET (Poster Session I Continued)

45 Uniqueness of JPSS products for NWS decision support activities. **Jorel Torres**, CIRA/CSU, Fort Collins, CO; B. H. Connell, S. D. Miller

47 Aqua and Terra Direct Broadcast Processing at CIMSS/SSEC Using a Merged Pass System. **Jessica Braun**, CIMSS, Madison, WI; L. Gumley, K. Strabala, B. M. Flynn, M. Rogal

48 The VIIRS Fast Radiative Transfer Model (VFRTM). **Aronne Merrelli**, Univ. of Wisconsin, Madison, WI; B. Baum, P. Yang, Y. Ding

49 Client-side Data Processing and Training for Multispectral Imagery Applications in the GOES-R Era. **Kevin K. Fuell**, Univ. of Alabama, Huntsville, AL; C. M. Gravelle, J. E. Burks, E. Berndt, L. A. Schultz, A. L. Molthan, A. LeRoy

50 Intercomparison of Cloud Heights for AMV Generation. **Steve Wanzong**, CIMSS, Madison, WI; A. Heidinger, R. Borde, P. Watts, J. Daniels, W. Bresky

51 JPSS-1, CSPP SDR and ADL Block 2. **Scott Mindock**, SSEC/CIMSS, Madison, WI; K. Strabala, G. Martin, R. Garcia, L. Gumley, G. Cureton

52 Can we observe the atmosphere by street lamps? Examining the potential for use of anthropogenic light emissions in atmospheric retrievals. **Jeremy E. Solbrig**, CIRA, Fort Collins, CO; S. D. Miller, J. Zhang, T. M. McHardy

53 Performance of the NOAA Enterprise AWG Cloud Height Algorithm in Multi-layer Scenes. **Andrew Heidinger**, STAR, Madison, WI; Y. Li, S. Wanzong

54 A Multi-format Client-agnostic Server for Satellite Data. **Jerrold O. Robaidek**, CIMSS/Univ. of Wisconsin, Madison, WI; D. Santek, D. Parker, C. Suplinski, R. A. Kohrs

55 Enterprise Solutions for Joint Polar Satellite System (JPSS) Science Products Algorithms and Calibration/Validation. **Lihang Zhou**, NOAA STAR, College Park, AL

56 An Operational Algorithm for the Retrieval of Water Quality Parameters in the Great Lakes from Satellite Data. **George Leshkevich**, NOAA/GLERL, Ann Arbor, MI; R. A. Shuchman, M. Sayers, R. Sawtel

57 Exploring the Scattering Signal of GMI's 166GHz Channel. **Samantha A. Tushaus**, SSEC, Madison, WI; M. S. Kulie, G. W. Petty

58 Joint Polar Satellite System Environmental Satellite Processing Center Data Products. **Bonnie Reed**, NESDIS, Suitland, MD; T. Schott, S. L. Bunin, A. Layns

59 The Documentation and Investigation of Pyrocumulonimbus Events. **Annastasia V Sienko**, Univ. of Wisconsin, Madison, WI; S. Bachmeier, B. Baum

60 Uncertainties in Satellite Passive Microwave Observations of Cloud Liquid Water Path. **Tom Greenwald**, Univ. of Wisconsin, Madison, WI; R. Bennartz, M. Lebsack, C. O'Dell

2ISATMET (Poster Session I Continued)

- 61** Polar Satellite Composite Imagery: A Useful Tool from Operations to Research. **David E. Mikolajczyk**, AMRC/Univ. of Wisconsin, Madison, WI; M. A. Lazzara, R. A. Kohrs, J. Key, L. M. Keller, J. Nettesheim, M. Tsukernik
- 62** The assimilation of layer precipitable water and the impacts on weather forecasting in a regional NWP model. **Pei Wang**, CIMSS/Univ. of Wisconsin, Madison, WI; J. Li, Y. K. Lee, Z. Li, J. Li, Z. Liu, T. J. Schmit, S. Ackerman
- 63** Reprocessing the “Top Ten” Most Intense Historical Tropical Cyclones in the Satellite Era Using the Advanced Dvorak Technique. **Christopher S. Velden**, CIMSS, Madison, WI; T. L. Olander, D. C. Herndon, J. P. Kossin
- 64** Life Cycle of Deep Convection Observed from Satellite and Represented in NICAM. **Toshiro Inoue**, Univ. of Tokyo, Kashiwa, Japan
- 65** Using Satellites to Measure Temperature Trends on the Greenland Ice Sheet. **Genevieve M. Burgess**, CIMSS/Univ. of Wisconsin, Madison, WI; R. Knuteson, E. Borbas
- 66** Clouds & The Earth's Radiant Energy System (CERES) Synoptic (SYNdeg) Data Product Validation Using Buoys & Ship Borne Radiometers. **David A. Rutan**, SSAI, Hampton, VA; D. R. Doelling, F. G. Rose, S. Kato
- 67** Climate Impacts of African Biomass Burning Aerosols. **Alexander Matus**, Univ. of Wisconsin, Madison, WI; T. S. L'Ecuyer
- 68** Investigation of Favorable Atmospheric Conditions for PyroCb (Pyrocumulonimbus) Events using Cross-track Infrared Sounder (CrIS) Measurements and Retrieval Products. **Rebecca E Schultz**, CIMSS, Madison, WI; B. A. Baum, E. Weisz
- 69** Sensitivity analysis of a novel hyper-spectral infrared cloud and atmosphere property retrieval based on an optimal estimation framework. **Paolo Veglio**, CIMSS/Univ. of Wisconsin, Madison, WI; R. E. Holz
- 70** Using PATMOS-x product for studying waves in the equatorial region. **Yue Li**, CIMSS, Madison, WI; A. Heidinger, M. J. Foster, J. Nielsen
- 71** Quantifying the Indirect Effect in Warm Marine Stratocumulus. **Alyson Rose Douglas**, Univ. of Wisconsin, Madison, WI
- 72** CSPP CLAVR-x. **Nick Bearson**, Univ. of Wisconsin, Madison, WI; A. Heidinger
- 73** Investigating Precipitation and Aerosols Over Southeast Asia Using a Collocated CloudSat-CALIOP-MODIS-NAAPS Dataset. **Alexa Ross**, CIMSS, Madison, WI
- 74** Cloud Mask Performance Comparison. **Denis Botambekov**, CIMSS, Madison, WI; A. Walther, A. Heidinger
- 75** A Quantitative Analysis of Satellite-Observable Storm Top Features. **Kai-Yuan Cheng**, Univ. of Wisconsin, Madison, WI; P. K. Wang

Wednesday, August 17

10:00–10:30 A.M.	Coffee Break—Grand Terrace
12:00–1:30 P.M.	Boxed Lunches—Madison Ballroom AB
3:00–4:30 P.M.	Formal Poster Viewing/Coffee Break—Grand Terrace

8:30 A.M.–10:00 A.M.

2ISATMET Session 7: DEVELOPMENT OF APPLICATIONS & INNOVATIVE METHODS PART II —MADISON BALLROOM CD

Co-Chair(s): Fuzhong Weng, NOAA/NESDIS, Kenneth Carey, ERT Inc., Laurel, MD

8:30 A.M.

- 7.1** RealEarth: Real-time Access to Global Satellite Data and Derived Products. **David A. Santek**, Univ. of Wisconsin, Madison, WI; D. Parker, R. Dengel, S. Batzli, N. Bearson, T. Jasmin

8:45 A.M.

- 7.2** Advancements in Morphological Compositing of Polar-Orbiting Satellite Imagery. **Anthony Wimmers**, CIMSS/Univ. of Wisconsin, Madison, WI; C. Velden, A. Heidinger

9:00 A.M.

- 7.3** Assessing the Information Content of AIRS and MODIS Radiances for Retrieving Ice Cloud Properties. **Kai-Wei Chang**, Univ. of Wisconsin, Madison, WI; T. S. L'Ecuyer, B. H. Kahn, V. Natraj

9:15 A.M.

- 7.4** Bayesian Retrievals of Vertically Resolved Cloud Particle Size Distribution Properties. **Derek J. Posselt**, Univ. of Michigan, Ann Arbor, MI; G. G. Mace, J. Kessler

9:30 A.M.

- 7.5** Exploring Detection of Multilayer Clouds and Retrieval of Their Properties Using Multispectral Satellite Data in an Artificial Neural Network Approach. **Patrick Minnis**, LRC, Hampton, VA; G. Hong, S. Sun-Mack, W. L. Smith, Jr., Y. Chen

9:45 A.M.

- 7.6** Satellite dual-frequency millimeter-wave radar retrieval algorithm. **Mircea Grecu**, Morgan State Univ., Greenbelt, MD; L. Tian, G. M. Heymsfield

8:30 A.M.–10:00 A.M.

20ASI Session 7: EXTRA-TROPICAL AIR-SEA INTERACTION: LINKAGES BETWEEN ANNULAR MODES, WESTERN BOUNDARY CURRENTS, AND STORM TRACKS PART I —LECTURE HALL

Co-Chair(s): Young-Oh Kwon, WHOI, Woods Hole, MA, Samantha Willis, Colorado State Univ., Fort Collins, CO

8:30 A.M.

7.1 Testing Dynamics of the Atmospheric Response to the Ocean Mesoscale. **Niklas Schneider**, Univ. of Hawaii, Honolulu, HI; M. Nonaka, B. Taguchi, H. Nakamura, R. J. Small, A. Kuwano-Yoshida

8:45 A.M.

7.2 Atmospheric Response to a Midlatitude SST Front: Along-front Winds. **Thomas J. Kilpatrick**, SIO, La Jolla, CA; N. Schneider, B. Qiu

9:00 A.M.

7.3 Effects of Extreme Weather Events on Time-Mean Wind and Derivative Wind Fields. **Larry W. O'Neill**, Oregon State Univ., Corvallis, OR; T. Haack, E. D. Skillingstad

9:15 A.M.

7.4 Interannual Modulations of Mesoscale Imprints of the Kuroshio Extension and Oyashio Fronts on the Wintertime Atmospheric Boundary Layer. **Ryuji Masunaga**, Univ. of Tokyo, Tokyo, Japan; H. Nakamura, T. Miyasaka, K. Nishii, B. Qiu

9:30 A.M.

7.5 Controlling Influence of Ocean Mesoscale Eddy – Atmosphere Feedback on the Kuroshio Extension Jet. **Xiaohui Ma**, Texas A&M Univ., College Station, TX; Z. Jing, P. Chang, X. Liu, R. Montuoro, R. J. Small, F. O. Bryan, R. J. Greatbatch, P. Brandt, D. Wu, X. Lin, L. Wu

9:45 A.M.

7.6 Low-cloud Transitions across the Kuroshio Front in the East China Sea. **Jing-Wu Liu**, Ocean Univ., Qingdao, China

10:30 A.M.–12:00 P.M.

2ISATMET

Session 8: GOES-R PART I –MADISON BALLROOM CD

Co-Chair(s): Steven J. Goodman, Greenbelt, MD, Timothy J. Schmit, NOAA, Madison, WI

10:30 A.M.

8.1 The GOES-R Post Launch Test Field Campaign. **Steven J. Goodman**, NOAA/NESDIS/GOES-R Program Office, Greenbelt, MD; F. P. Padula

10:45 A.M.

8.2 Getting Ready for the Advanced Baseline Imager (ABI) on the GOES-R series. **Timothy J. Schmit**, NOAA/NESDIS/Center for Satellite Applications and Research, Madison, WI; M. M. Gunshor, R. B. Pierce, J. J. Gerth, S. S. Lindstrom, J. M. Daniels, S. J. Goodman

11:00 A.M.

8.3 Himawari-8 AHI Proves “Instrumental” in Preparations for Enhanced GOES-R ABI Imagery Applications. **Steven D. Miller**, CIRA/Colorado State Univ., Fort Collins, CO; D. T. Lindsey, C. J. Seaman, T. J. Schmit, M. M. Gunshor, D. W. Hillger, Y. Sumida, L. D. Grasso

2ISATMET (Session 8 continued)

11:15 A.M.

8.4 Wildfire Detection Notifications for Impact-based Decision Support Services in Oklahoma Using Geostationary Super Rapid Scan Satellite Imagery. **Vivek N. Mahale**, NOAA/NWS, Norman, OK; W. Line, T. T. Lindley, A. Anderson, S. Curl

11:30 A.M.

8.5 Preparing the End User Community for the GOES-R Geostationary Lightning Mapper. **Geoffrey T. Stano**, ENSCO, Inc. / NASA SPoRT, Huntsville, AL; J. E. Burks, K. M. McGrath

11:45 A.M.

8.6 Asynchronous Assimilation of High Temporal Infrared Imaging for Wind Profile Retrieval – A Pilot Study. **Allen Huang**, CIMSS, Madison, WI; A. Lim, S. Wu

10:30 A.M.–12:00 P.M.

20ASI

Session 8: EXTRA-TROPICAL AIR-SEA INTERACTION: LINKAGES BETWEEN ANNULAR MODES, WESTERN BOUNDARY CURRENTS, & STORM TRACKS PART II –LECTURE HALL

Co-Chair(s): Young-Oh Kwon, WHOI, Woods Hole, MA, Samantha Willis, Colorado State Univ., Fort Collins, CO

10:30 A.M.

8.1 Atmospheric variability related to ocean features—dependence on time and space scale. **Richard Small**; F. Bryan, S. Bishop, R. Tomas

10:45 A.M.

8.2 On the Observed Relationships between Variability in Gulf Stream Sea Surface Temperatures and the Atmospheric Circulation over the North Atlantic. **Samantha M. Wills**, Colorado State Univ., Fort Collins, CO; D. W. J. Thompson, L. M. Ciasto

11:00 A.M.

8.3 Nonlinear North Atlantic atmospheric response to meridional shift of the Gulf Stream path. **Hyodae Seo**, WHOI, Woods Hole, MA; Y. O. Kwon, T. M. Joyce, C. C. Ummenhofer

11:15 A.M.

8.4 Atmospheric Drivers of the Variability and Extreme Surface Turbulent Heat Fluxes Over the North Atlantic in Winter. **Natalia Tilinina**, Institute of Oceanology, Moscow, Russian Federation; S. Gulev

11:30 A.M.

8.5 In situ measurements of ocean-atmosphere heat fluxes in high latitudes of the South Atlantic and Southern Ocean. **Ronald B. Souza**, INPE, Santa Maria, Brazil; L. P. Pezzi, M. F. Santini

8.6 WITHDRAWN

12:30 P.M.–1:30 P.M.

2ISATMET / 20ASI

Town Hall : EVOLUTION OF THE UNITED STATES SATELLITE-BASED OBSERVATIONS –MADISON BALLROOM CD

Moderator: Steve Ackerman, CIMSS/Univ. of Wisconsin, Madison, WI

1:30 P.M.–3:00 P.M.

21SATMET

Session 9: POTENTIAL OF NEW GENERATION SATELLITE SYSTEMS PART II –MADISON BALLROOM CD

Co-Chair(s): Song Yang, NRL, Monterey, CA, Jun Li, CIMSS/Univ. of Wisconsin, Madison, WI

1:30 P.M.

9.1 *The ABI-Based Combined Sounder/Imager (CSI).* **Ronald J. Glumb**, Harris Corporation, Fort Wayne, IN; P. C. Griffith, P. Mantica, D. Jordan

1:45 P.M.

9.2 *The Importance of Satellite-based Predictors in the NOAA/CIMSS ProbSevere Model.* **Justin Sieglaff**, CIMSS/Univ. of Wisconsin, Madison, WI; M. J. Pavolonis, J. L. Cintineo

2:00 P.M.

9.3 *Volcanic Cloud Identification, Tracking, and Characterization with Next Generation Satellites.* **Michael J. Pavolonis**, NOAA/NESDIS, Madison, WI; J. Sieglaff, J. L. Cintineo

2:15 P.M.

9.4 *Satellite Data Applications for Oceanic Aviation Weather.* **Haig Iskenderian**, MIT, Lexington, MA; M. S. Veillette, C. J. Mattioli, P. M. Lamey, E. P. Hassey, J. R. Mecikalski, G. T. Stano, R. Bass

2:30 P.M.

9.5 *Addressing Forecast Challenges at the Satellite Proving Ground for Marine, Precipitation, and Satellite Analysis.* **Michael J. Folmer**, CICS, College Park, MD; J. D. Clark, J. M. Sienkiewicz, A. Orrison, M. Klein, J. A. Nelson Jr., J. Kibler, N. A. Ramos, H. D. Cobb III, M. DeMaria, E. Berndt, M. D. Goldberg, S. J. Goodman

2:45 P.M.

9.6 *The success story of Himawari-8: Does R2O really mean “Risks to Overcome”?* **Jordan J. Gerth**, CIMSS, Madison, WI; B. Ward

2:00 P.M.–3:00 P.M.

20ASI

Session 9: TROPICAL AIR-SEA INTERACTION – LECTURE HALL

Chair: Justin Small, Boulder, CO

9.1 WITHDRAWN

2:15 P.M.

9.2 *Coupled atmosphere and ocean boundary layer variability in the suppressed phase of the Madden-Julian Oscillation.* **J. Brent Roberts**, NASA/MSFC, Huntsville, AL; F. R. Robertson, C.A. Clayton, P. Taylor

2:30 P.M.

9.3 *The Role of Mesoscale Sea-Surface Temperature Variability in Organizing Tropical Convection.* **Eric D. Skillingstad**, Oregon State Univ., Corvallis, OR; L. W. O'Neill

2:45 P.M.

9.4 *Diversified Effects of Air-Sea Interaction on Shaping the Madden-Julian Oscillation in Nature and Models.* **Joshua Xiuhua Fu**, Univ. of Hawaii, Honolulu, HI; W. Wang, T. Shinoda

4:30 P.M.–5:30 P.M.

21SATMET / 20ASI

Joint Session 3: CYCLONE GLOBAL NAVIGATION SATELLITE SYSTEM –MADISON BALLROOM CD

Chair(s): Derek J. Posselt, Univ. of Michigan, Ann Arbor, MI

4:30 P.M.

J3.1 *CYGNSS Tropical Cyclone Wind Structure Science Data Products.* **Mary Morris**, Univ. of Michigan, Ann Arbor, MI; C. S. Ruf

4:45 P.M.

J3.2 *Tropical Cyclone Diurnal Cycle Property From Satellite Passive Microwave Observations.* **Song Yang**, NRL, Monterey, CA; J. Cossuth, K. Richardson, R. Bankert

5:00 P.M.

J3.3 *Impact of CYGNSS Data on Hurricane Analyses and Forecast in Regional OSSEs with HWRF Model.* **Zhaoxia Pu**, Univ. of Utah, Salt Lake City, UT; S. Zhang

5:15 P.M.

J3.4 *Exploring the use of CYGNSS for Surface Flux Estimation in Extratropical Cyclones.* **Juan A. Crespo**, Univ. of Michigan, Ann Arbor, MI; D. J. Posselt

Thursday, August 18

10:00–10:30 A.M.	Coffee Break—Grand Terrace
12:00–1:30 P.M.	Luncheon—Madison Ballroom AB
12:00 P.M.	20 Air-Sea Adjourns
3:00–4:30 P.M.	Formal Poster Viewing/Coffee Break—Grand Terrace

8:30 A.M.–10:00 A.M.

2ISATMET

Session 10: HOW SATELLITE DATA ARE BEING USED PART II —MADISON BALLROOM CD

Co-Chair(s): Philip E. Ardanuy, INNOVIM, Silver Spring, MD, Ethan L. Nelson, Univ. of Wisconsin, Madison, WI

10.1 WITHDRAWN

8:30 A.M.

10.1A Analysis Of Severe Convective Storms Using Super-Rapid Scan Satellite Imager, Dual-Polarization Radar, And Total Lightning Observations In Preparation For GOES-R. **Kristopher Bedka**, LRC, Hampton, VA; C. R. Homeyer, J. R. Mecikalski, B. Scarino, T. Sandmael, J. Apke, C. P. Jewett

8:45 A.M.

10.2 Dust-infused Baroclinic Cyclone Storm Clouds: the Evidence, Meteorology, and Implications. **Michael D. Fromm**, NRL, Washington, DC; G. P. Kablick III, P. F. Caffrey

9:00 A.M.

10.3 Interactions of South Pacific Tropical Cyclones Pam and Winston with Underlying Warm Ocean Features. **Jodi K. Brewster**, RSMAS, Miami, FL; L. K. Shay

9:15 A.M.

10.4 New Products and Perspectives from the Global Precipitation Measurement (GPM) Mission. **Christian Kummerow**, Colorado State Univ., Fort Collins, CO; D. Randel

9:30 A.M.

10.5 Passive microwave and visible/near infrared retrievals of boundary layer cloud physical properties. **Ralf Bennartz**, Vanderbilt Univ., Nashville, TN

9:45 A.M.

10.6 Using A-Train Observations to Study Cloud Processes in Frontal Regions. **Derek J. Posselt**, Univ. of Michigan, Ann Arbor, MI; C. Naud, S. van den Heever

8:30 A.M.–10:00 A.M.

20ASI

Session 10: AIR-SEA INTERACTION AT HIGH LATITUDES —LECTURE HALL

Co-Chair(s): David H. Richter, Univ. of Notre Dame, South Bend, IN, Larry W. O'Neill, Oregon State Univ., Corvallis, OR

8:30 A.M.

10.1 In Situ Measurements of Surface Turbulent Exchange Over Arctic Sea Ice: Results from the ACSE Campaign. **Dominic J. Salisbury**, Univ. of Leeds, Leeds, UK; I. M. Brooks, J. Prytherch, B. I. Moat, B. J. Brooks, J. Sedlar, G. Sotiropoulou, M. Tjernstrom, P. O. G. Persson, M. Shupe, P. Achtert

8:45 A.M.

10.2 The Influence of Winter Cloud on Summer Sea Ice in the Arctic, 1983-2013. **Aaron Letterly**, CIMSS, Madison, WI; J. Key, Y. Liu

9:00 A.M.

10.3 Scenario changes of Atlantic water in the Arctic Ocean. **William Perrie**, OESD, Dartmouth, NS, Canada; Z. Long

9:15 A.M.

10.4 Surface Energy Fluxes During Arctic Freeze-Up. **P. Ola G. Persson**, CIRES/Univ. of Colorado and NOAA/ESRL/PSD, Boulder, CO; B. V. Blomquist, P. S. Guest, C. W. Fairall, I. M. Brooks, J. Sedlar, J. Prytherch, D. J. Salisbury, G. Bjork, S. Stammerjohn, G. Sotiropoulou, M. Tjernstrom, J. Inoue

9:30 A.M.

10.5 The Variability of Drag Coefficients over the Polar Oceans Caused by Sea Ice Morphology and Atmospheric Stability. **Christof Lüpkes**, AWI, Bremerhaven, Germany; V. M. Gryankin

9:45 A.M.

10.6 Comparing Mass, Momentum and Air-Sea CO₂ Fluxes for the North Atlantic and the European Arctic Using Different Parametrizations Dependent on Wind Speed. **Iwona Honorata Wróbel**, Institute of Oceanology Polish Academy of Sciences, Sopot, Poland; J. Piskozub

10:30 A.M.–12:00 P.M.

2ISATMET

Session 11: RESEARCH AND OPERATIONAL SATELLITE DATA APPLICATIONS FOR WEATHER, OCEAN, AND CLIMATE MONITORING AND FORECASTING PART I —MADISON BALLROOM CD

Co-Chair(s): Jordan J. Gerth, CIMSS, Madison, WI, Timothy J. Schmit, NOAA, Madison, WI

10:30 A.M.

11.1 Visualizing multi-spectral satellite imagery in different color spaces. **Jordan J. Gerth**, CIMSS, Madison, WI; T. J. Schmit

10:45 A.M.

11.2 Operational Techniques for Oil Detection on the Ocean's Surface with Satellite Imagery. **William D. Boll**, NOAA, College Park, MD

11:00 A.M.

11.3 Accounting for cloud vertical structure to improve parameterizations and applications for passive satellite cloud parameters. **William L. Smith**, NASA, Hampton, VA; P. Minnis, C. Wang, D. A. Spangenberg, S. Sun-Mack, Y. Chen

2ISATMET (Session II Continued)

11:15 A.M.

11.4 Regime Dependence of Precipitating Cloud Radiative efficiencies using CloudSat/CALIPSO. **Anita D. Rapp**, Texas A&M Univ., College Station, TX; L. Sun, T. S. L'Ecuyer

11:30 A.M.

11.5 An Empirical Relationship between Water Vapor and Precipitation using Satellite Observations for Near-Real Time Forecasting Applications. **Shane Hubbard**, CIMSS/Univ. of Wisconsin, Madison, WI; J.A. Roman, R.O. Knuteson, S. Ackerman, H. Revercomb

11:45 A.M.

11.6 El Niño Impact on the Earth's Radiation Budget: A Satellite Analysis. **Parnchai K. Sawaengphokhai**, SSAI, Hampton, VA; P. W. Stackhouse, D. P. Kratz, S. K. Gupta, A. C. Wilber

10:30 A.M.–12:00 P.M.

20ASI

Session II: THE ROLE OF AIR-SEA INTERACTION IN CLIMATE VARIABILITY & CHANGE –LECTURE HALL

Co-Chair(s): Young-Oh Kwon, WHOI, Woods Hole, MA, Justin Small, Boulder, CO

10:30 A.M.

11.1 Impact of the Madden-Julian Oscillation on Air-Sea CO₂ Fluxes. **Charlotte A. DeMott**, Colorado State Univ., Fort Collins, CO; A.S. Denning, S. Doney, I. Lima, C. Roedenbeck

10:45 A.M.

11.2 Interdecadal Variability of El Niño Onset and Impact on Monsoon Systems over Areas Encircling the Pacific Ocean. **Jianjun Xu**, George Mason Univ., Fairfax, VA; J. Cai

11:00 A.M.

11.3 North Atlantic Blocking Variability and Role of the Atlantic Multidecadal Oscillation. **Young-Oh Kwon**, WHOI, Woods Hole, MA; H. Seo, C.C. Ummenhofer, T.M. Joyce

11:15 A.M.

11.4 Impacts of Midlatitude Oceanic Fronts on the Atmosphere as Revealed in a New Japanese Atmospheric Reanalysis. **Hisashi Nakamura**, Univ. of Tokyo, Tokyo, Japan

11:30 A.M.

11.5 Influence of the Summer NAO on the Spring-NAO-based Predictability of the East Asian Summer Monsoon. **Fei Zheng**, IAP, Beijing, China

11:45 A.M.

11.6 Responses of the Tropical Atmospheric Circulation to Climate Change and Connection to the Hydrological Cycle. **Jian Ma**, Shanghai Ocean Univ., Shanghai, China

12:30 P.M.–1:30 P.M.

2ISATMET / 20ASI

Town Hall: USER READINESS FOR NEW-GENERATION SATELLITES –MADISON BALLROOM CD

Moderator: Bill Ward, NWS, Honolulu, HI

1:30 P.M.–3:00 P.M.

2ISATMET

Session 12: RESEARCH AND OPERATIONAL SATELLITE DATA APPLICATIONS FOR WEATHER, OCEAN, AND CLIMATE MONITORING AND FORECASTING PART II –MADISON BALLROOM CD

Co-Chair(s): Jordan J. Gerth, CIMSS, Madison, WI, James J. Gurka, NOAA, Greenbelt, MD

1:30 P.M.

12.1 Satellite Remote Sensing of Snowfall. **Guosheng Liu**, Florida State Univ., Tallahassee, FL

1:45 P.M.

12.2 Sea Ice Thickness from Satellite Data and Its Recent Trends in Polar Regions. **Xuanji Wang**, CIMSS, Madison, WI; J. Key

2:00 P.M.

12.3 Measurement of Ocean Surface Wind by AMSR2 on GCOM-W1. **Naoto Ebuchi**, Hokkaido Univ., Sapporo, Japan

2:15 P.M.

12.4 Results from GOES-R and JPSS Proving Ground Demonstrations at the HWT 2016 Spring Experiment. **William Line**, OU/CIMMS and NOAA/NWS/SPC, Norman, OK

2:30 P.M.

12.5 Development of a Coupled GOES-R Legacy Sounding NearCast with Convective Initiation Products to Improve Convective Weather Nowcasts. **Lee M. Crone**, CIMSS, Madison, WI; R.A. Petersen, J.R. Mecikalski, C.P. Jewett

2:45 P.M.

12.6 Nowcasting 0–2 hour Storm Intensity within the GOES-R Convective Initiation modeling Framework. **John R. Mecikalski**, Univ. of Alabama, Huntsville, AL; C.P. Jewett, J. Apke

4:30 P.M.–5:30 P.M.

2ISATMET

Session 13: OTHER TOPICS IN SATELLITE METEOROLOGY –MADISON BALLROOM CD

Co-Chair(s): Derek J. Posselt, Univ. of Michigan, Ann Arbor, MI, Brian H. Kahn, JPL, Pasadena, CA

4:30 P.M.

13.1 Advancing Littoral Zone Aerosol Prediction via Holistic Studies in Regime-Dependent Flows. **Jeremy Solbrig**, CIRA, Fort Collins, CO; S.D. Miller, J. Zhang, M. Oo, R.E. Holz, J. Wang, T.M. McHardy

4:45 P.M.

13.2 Examining the Constellation of Scatterometers and Radiometers for Diurnal and Sub-Diurnal Wind Vector Variability. **F. Joseph Turk**, JPL, Pasadena, CA; S. Hristova-Veleva

5:00 P.M.

13.3 Frequency and Distribution of Winter Melt Events from Passive Microwave Satellite Data in the pan-Arctic, 1988–2013. **Libo Wang**, Environment and Climate Change, Toronto, ON, Canada; P. Toose, R. Brown, C. Derksen

5:15 P.M.

13.4 Characterizing Arctic Sea Ice Leads from Space. **Jay P. Hoffman**, CIMSS/Univ. of Wisconsin, Madison, WI; S. Ackerman, Y. Liu, J. Key

2ISATMET**Poster Session 2: WEDNESDAY/THURSDAY
SATELLITE METEOROLOGY POSTER SESSION –
GRAND TERRACE****2ISATMET (Poster Session 2: Continued)**

76 Global Broadband Infrared Surface Emissivity Computed from Combined ASTER and MODIS Emissivity over Land (CAMEL). **Michelle Feltz**, CIMSS, Madison, WI; E. Borbas, R. Knuteson, G. Hulley, S. Hook

77 Preparing for GOES-R: Data Distribution Paths and Plans. **Kathryn W. Miretzky**, Science and Technology Corp., Greenbelt, MD; W. M. MacKenzie Jr., M. Seybold, E. J. McMichael, J. Fulbright

78 A Climatology of the Precipitation over the Southern Ocean based on the Surface and Satellite Observations. **Zhan Wang**, Melbourne, Australia; S. T. Siems, D. Belusic, M. J. Manton, Y. Huang

79 ISCCP H-Series data production at NCEI: Updating the iconic ISCCP data. **Alisa Holley Young**, NCEI, Boulder, CO; W. B. Rossow, K. R. Knapp, W. Hankins, A. K. Inamdar

80 Comparative Impact Of Ocean Surface Wind Vectors and Ocean Surface Wind Speed for Global NWP. **Justin Tsu**, NRL, Monterey, CA; N. L. Baker, S. D. Swadley

81 ABI Band Fact Sheets for User Readiness. **Bill Ward**, NWS, Honolulu, HI; T. Schmit, J. Gerth

82 Latest Improvements of ATMS TDR/SDR Sciences and Algorithms for Reprocessing. **Hu Yang**, Univ. of Maryland, College Park, MD; F. Weng

83 Calibration of Historical Visible Geostationary Data for ISCCP and Other Applications. **Anand K. Inamdar**, North Carolina State Univ., Asheville, NC; K. R. Knapp, A. H. Young, W. Hankins, W. B. Rossow

84 A Method For Calculating The Height Of Overshooting Convective Cloud Tops Using Satellite-Based IR Imager and CloudSat Cloud Profiling Radar Observations. **Sarah M. Griffin**, CIMSS/Univ. of Wisconsin, Madison, WI; K. M. Bedka, C. S. Velden

85 Visualizing Cold Air Aloft with Radio Occultation and Hyperspectral Infrared Sounders: Investigating Aviation Safety Purposes. **Michelle Feltz**, CIMSS, Madison, WI; R. Knuteson, J. M. Feltz, S. Ackerman, W. Feltz, D. Hoesel, K. Strabala, N. Smith, E. Weisz

86 Identification of Hazardous Weather for Offshore Forecasting. **Patrick C. Meyers**, Univ. of Maryland, College Park, MD; S. Rudlosky, R. Ferraro, M. J. Pavolonis, J. L. Cintineo, N.Y. Wang

87 Reprocessing GOES GVAR Data. **Kenneth R. Knapp**, NOAA/NCEI, Asheville, NC; J. L. Matthews

88 GOES-R Training Plan for NOAA National Weather Service (NWS) Forecasters. **LeRoy Spayd**, NOAA/NWTS, Silver Spring, MD

89 CIRA's current and future contributions to the GOES-R Proving Ground as we approach the launch of GOES-R. **Ed Szoke**, NOAA/ESRL/GSD and CIRA, Boulder, CO; D. Bikos, R. Brummer, H. Gosden, S. D. Miller, D.W. Hillger, B. H. Connell, D.A. Molenar, C.J. Seaman, D.T. Lindsey

90 Suomi-NPP VIIRS Recalibration in the Reflective Solar Bands and Day Night Band. **Taeyoung Choi**, NOAA, College Park, MD; C. Cao, N. Sun, F. Weng

91 GOES-R End-to-End Readiness at the Univ. of Wisconsin -

Madison Space Science and Engineering Center Data Center. **Richard A. Kohrs**, CIMMS, Madison, WI; J. O. Robaidek, D. Forrest

92 GOES-R ABI Post-Launch Calibration and Validation. **Boryana Efremova**, NESDIS, College Park, MD; X. Wu, C. Cao, F. Yu, F. P. Padula, V. Kondratovich, R.A. Iacovazzi Jr., A. J. Pearlman, X. shao, R. Datla, H. yoo, L. Zhu

93 The UW-CIMSS Advanced Dvorak Technique (ADT).

Timothy L. Olander, CIMSS/Univ. of Wisconsin, Madison, WI; C. S. Velden

94 Assimilation and Forecast Impact of Combined-Platform Leo/Geo AMVs in the GDAS/GFS. **Brett T. Hoover**, CIMSS, Madison, WI; D. Santek, M. M. Madsen

95 Using the HIRS Data to Record More than Three Decades of

Global Cloud and Moisture Properties. **Eva Borbas**, CIMSS, Madison, WI; W. P. Menzel, R. A. Frey, B. A. Baum, G. Cureton, N. Bearson

96 Advances in Suomi NPP ATMS SDR Life Cycle Reprocessing. **Ninghai Sun**, NOAA/NESDIS/STAR/SMCD, College Park, MD; F. Weng, W. Chen

97 Relationship Between Latent Heating and Tropical Cyclone Warm Core Structure Analyzed Using Satellite-based Products. **Ryo**

Oyama, MRI, Tsukuba, Ibaraki, Japan

98 Using GOES Brightness Temperatures to Assess the Accuracy

of Short-Range Forecasts from the High-Resolution Rapid Refresh

(HRRR) Model. **Jason Otkin**, Univ. of Wisconsin, Madison, WI; S. M. Griffin, C. M. Rozoff, J. Sieglaff, L. Cronce, C. R. Alexander

99 Development and Optimization of Mesoscale Atmospheric

Motion Vectors Using Novel GOES-R Processing Algorithms on 1-5

Minute SRSO Proxy Data, and Demonstration of Readiness for

GOES-R Applications via Impact Studies in Mesoscale/Hurricane Data

Assimilation and NWP Systems. **Dave Stettner**, CIMSS, Madison, WI; C. Velden, W. E. Lewis, W. Bresky, J. Daniels, S. WanZong

100 SUOMI-NPP OMPS SDR Reprocessing for NADIR Sensors.

Ding Liang, SMCD, College Park, MD; F. Weng, C. Pan, N. Sun

101 Coherent Cloudiness Variability from the Mountains to the

Sea in the Western U.S. **Edwin Sumargo**, SIO, San Diego, CA; D. R. Cayan

2ISATMET (Poster Session 2: Continued)

102 SIFT: Satellite Information Familiarization Tool. **David Hoese**, CIMSS, Madison, WI; R. K. Garcia, J. J. Gerth, K. Strabala, S. Lindstrom

103 Sensitivity of Longwave Fluxes to Clouds and Meteorology: Establishing Uncertainties for GEWEX SRB Longwave Release 4. **J. Colleen Mikovitz**, SSAI, Hampton, VA; P. Stackhouse Jr., S. K. Gupta, S. J. Cox, T. Zhang

104 Helping Prepare Users for the GOES-R Series. **Mathew M. Gunshor**, CIMSS, Madison, WI; T. J. Schmit, J. J. Gerth, S. S. Lindstrom, C. Schmidt, K. I. Strabala, A. S. Bachmeier

105 Evaluation of cloud properties in RCA4 CORDEX Africa ensemble. **Arun Rana**, SMHI, Norrköping, Sweden; A. Devasthale, G. Nikulin, U. Willén

106 Assessing Calibration Improvements for the Clouds and the Earth's Radiant Energy System (CERES) Instrument. **Natividad M. Smith**, SSAI, Hampton, VA; N. Loeb, K. J. Priestley, S. Thomas, D. R. Walikainen, M. Shankar, Z. P. Szewczyk

107 SSEC SDI GRB Appliance - Easy GOES-R Data. **Scott Mindock**, SSEC /CIMSS, Madison, WI; D. Santek, D. Parker, N. Bearson, R. Dengel

108 Recent Updates to the Community Satellite Processing Package (CSPP) for three NOAA Operational Algorithms. **James E. Davies**, CIMSS, Madison, WI; K. Strabala, L. Gumley, A. Huang, C. Grassotti, X. Zhan, C. D. Barnet, A. Gambacorta, T. King, J. Stroup

109 Applying Satellite Aerosol Retrievals for Lightning Prediction in Northern Alabama. **Tong Ren**, Texas A&M Univ., College Station, TX; A. D. Rapp, J. R. Mecikalski, J. Apke, L. D. Carey, S. L. Nasiri

110 ISCCP Data QC and Processing: Transitioning Production Between Institutions. **William Hankins**, NCEI, Laurel, MD; K. R. Knapp, A. H. Young, A. K. Inamdar, W. B. Rossow

111 Using Infrared Hyperspectral Measurements to Analyze Tropical Cyclone Ioke. **Youri Plokhenko**, CIMSS, Madison, WI; R. Knuteson, W. P. Menzel, H. E. Revercomb

112 A Look on the S-NPP CrIS Life Cycle Data Reprocessing. **Miao Tian**, Earth Resources Technology Inc., College Park, MD; N. Sun, W. Chen, Y. Han, F. Weng

113 GOES-R Imagery: Readiness and Quality Assurance. **James P. Nelson**, CIMSS, Madison, WI; J. M. Feltz, K. Bah, M. M. Gunshor, T. J. Schmit

114 Product Updates to International MODIS/AIRS Processing Package (IMAPP) and Transition to JPSS. **James E. Davies**, CIMSS, Madison, WI; K. Strabala, N. Smith, E. Weisz, R. M. Cintineo, E. Schiffer, R. B. Pierce, A. Huang, D. Hoese, D. Parker, M. J. Pavlonis, C. Calvert, G. Martin

115 GPM Snowfall Retrievals: Information Gained from Day 1 GPROF Empirical Databases. **Marian E. Mateling**, Univ. of Wisconsin, Madison, WI; M. S. Kulie, T. S. L'Ecuyer

2ISATMET (Poster Session 2: Continued)

116 Challenges & Opportunities for Using GOES R+ Lightning Mapper Data in NWS. **Brian C. Motta**, NWS, Boulder, CO; P. Roohr, M. Elliott, J. Jordan, B. Meier, S. J. Goodman, S. D. Rudlosky, W. Line, D. Melendez

117 You Used Polar Orbiter Direct Broadcast Data for What? **Kathleen I. Strabala**, CIMSS/Univ. of Wisconsin, Madison, WI; L. Gumley, J. Davies, S. Mindock, D. Hoese, R. Garcia, G. Martin, G. Cureton, N. A. Bearson, B. Pierce, E. Weisz, J. Braun, H. L. Huang

118 Enhancing Weather Monitoring and Forecasting with Polar-orbiting High Spectral Resolution Infrared Sounders. **Elisabeth Weisz**, Univ. of Wisconsin, Madison, WI; W. L. Smith Sr., R. E. Schultz, K. Strabala, A. Huang

119 Using Polar-Orbiting Satellites to Monitor the Upper Atmosphere for Cold Air Pockets that are Potentially Dangerous to Passenger Aircraft. **John F. Dostalek**, CIRA/Colorado State Univ., Ft. Collins, CO; J. Torres, S. D. Miller, R. Brummer

120 CSPP GEO Quick-looks - Verifying data and More. **Scott Mindock**, SSEC /CIMSS, Madison, WI; G. Martin, R. Garcia, K. I. Strabala, N. A. Bearson, G. Cureton

121 CSPP Geo GRB: GOES-R Rebroadcast Reconstruction for Everyone. **Tommy Jasmin**, Univ. of Wisconsin, Madison, WI; N. Bearson, S. Mindock, J. Braun, G. Martin

122 Satellite User Readiness through Training: VISIT, SHyMet, WMO VLab and a Liaison. **Bernadette H. Connell**, CIRA/Colorado State Univ., Ft. Collins, CO; D. Bikos, E. Szoke, S. Bachmeier, S. Lindstrom, A. Mostek, B. C. Motta, L. Veeck, J. Torres

123 Routine Validation of the GOES-R Multi-Satellite Processing System Framework. **William Straka**, CIMSS/Univ. of Wisconsin, Madison, WI; W. Wolf, S. Sampson, R. Garcia, G. Quinn, G. Martin, A. Li, M. Fan, R. Rollins, J. M. Daniels, E. Schiffer

124 Himawari Support In The CSPP-GEO Direct Broadcast Package. **Geoff Cureton**, Univ. of Wisconsin, Madison, WI; S. Mindock, G. Martin, N. Bearson, J. Braun

125 Finding Fires: The Next Generation. **Christopher C. Schmidt**, CIMSS, Madison, WI

126 A Prototype Method for Diagnosing High Ice Water Content in Near-Real-Time Using Passive Satellite Imagery. **Christopher R. Yost**, SSAI, Hampton, VA; P. Minnis, K. Bedka, L. Nguyen, R. Palikonda, D. Spangenberg

127 An Extension of the Python SHARPy GUI to Display NASA AIRS Satellite Sounding Profiles and CAPE in Near-Real Time. **Grace Przybyl**, CIMSS, Madison, WI; R. Knuteson, J. M. Gartzke, K. T. Halbert, W. G. Blumberg

Friday, August 19

10:00–10:30 A.M.	Coffee Break—Grand Terrace
12:00 P.M.	2ISatMet Adjourns

8:30 A.M.–10:00 A.M.

2ISATMET

Session 14: GOES-R PART II –MADISON BALLROOM CD

Co-Chair(s): James J. Gurka, NOAA, Greenbelt, MD, Wayne F Feltz, CIMSS/Univ. of Wisconsin, Madison, WI

8:30 A.M.

14.1 CSPP Geo Support for Direct Broadcast. **Graeme Martin**, CIMSS, Madison, WI; L. Gumley, N. Bearson, J. Braun, G. Cureton, R. K. Garcia, T. Jasmin, S. Mindock, K. Strabala

8:45 A.M.

14.2 GOES-R ABI and Himawari-8 AHI Training using SIFT. **Scott S. Lindstrom**, CIMSS/Univ. of Wisconsin, Madison, WI; R. K. Garcia, D. Hoese, J. J. Gerth, K. I. Strabala, T. J. Schmit, B. Ward

9:00 A.M.

14.3 Preparing to Exploit GOES-R and JPSS: A Guide to Using Education and Training Resources from COMET. **Wendy Schreiber-Abshire**, COMET, Boulder, CO; P. Dills

9:15 A.M.

14.4 Preparing for GOES-R: Supporting User Readiness of Level 2+ Products. **Wayne M. MacKenzie**, NOAA/NESDIS, Greenbelt, MD; M. Seybold, K. Miretzky, E. J. McMichael, J. Fulbright

9:30 A.M.

14.5A Access to GOES-R Satellite Data and Products with McIDAS. **David A. Santek**, Univ. of Wisconsin, Madison, WI; R. Dengel, B. Schaffer

9:45 A.M.

14.6 Manifestation of Obstacle-like Effect of Severe Thunderstorms in Satellite Storm Images. **Pao K. Wang**, Univ. of Wisconsin, Madison, WI; K.Y. Cheng

10:30 A.M.–12:00 P.M.

2ISATMET

Session 15: SATELLITE DATA REPROCESSING & IMPACTS OF THE REPROCESSED DATA ON WEATHER & CLIMATE APPLICATIONS– MADISON BALLROOM CD

Co-Chair(s): Steve A. Ackerman, CIMSS, Madison, WI, Brian H. Kahn, JPL, Pasadena, CA

10:30 A.M.

15.1 JPSS Life-Cycle Data Reprocessing for Advancing Weather and Climate Applications. **Fuzhong Weng**, NOAA, College Park, MD; L. Zhou, K. Carey

10:45 A.M.

15.2 MODIS-Derived Value-Added Climatology of Maritime Cloud Liquid Water Path Conserving Solar Reflectance, Collection 5 & Collection 6. **Amanda R. Gumber**, SSEC, Madison, WI; M. J. Foster

11:00 A.M.

15.3 Reprocessing the AVHRR and HIRS Records to Generate a New PATMOS-x Cloud Climatology. **Michael J. Foster**, CIMSS, Madison, WI; A. K. Heidinger

11:15 A.M.

15.4 Improvements in the Atmospheric Infrared Sounder (AIRS) Ice Cloud Property and Cloud Thermodynamic Phase Retrievals. **Brian H. Kahn**, JPL, Pasadena, CA

15.5 WITHDRAWN

11:45 A.M.

15.6 Developing a Long-Term TRMM/GPM Global Precipitation Dataset Based on the Latest Advances in GPM Algorithm Development and Sensor Intercalibration. **Wesley Berg**, Colorado State Univ., Fort Collins, CO; C. D. Kummerow

CONFERENCE ADJOURNS

Monday, 15 August 2016

	20 Air-Sea Interaction Lecture Hall	21 Satellite Meteorology Madison Ballroom CD
7:30	REGISTRATION OPENS	
	J1: State of the Science Keynote	
8:45	Welcoming Remarks	
9:00	J1.2 Nakamura, H.	
9:30	J1.3 Miller, S. D.	
10:00	COFFEE BREAK (CAPITOL PROMENADE)	
	1: Sea Surface Processes, Including Waves, Spray, Bubbles, and Aerosol (Special Session in Honor of Ed Andreas) Part I	1: Celebrating the Nation's Operational Environmental Satellites: Past, Present and Future—A Special Session Honoring Gregory ("Greg") Mandt
10:30	1.1 Monahan, E. C.	1.1 St. Germain, K.
10:45		1.2 Mandt, G.
11:00	1.2 Fairall, C. W.	1.3 Cikanek, H.
11:15	1.3 Anguelova, M. D.	1.4 Menzel, P.
11:30	1.4 Witek, M. L.	1.5 Ward, B.
11:45	1.5 Peng, T.	
12:00	LUNCH BREAK	
	2: Sea Surface Processes, Including Waves, Spray, Bubbles, and Aerosol (Special Session in Honor of Ed Andreas) Part II	2: How Satellite Data Are Being Used to Advance Our Understanding of Fundamental Weather and Climate Processes in the Atmosphere, Oceans, Land Surface, and Cryosphere Part I
1:30	2.1 Persson, P. O. G.	2.1 McIlhattan, E. A.
1:45	2.2 Buckley, M.	2.2 Apke, J.
2:00	2.3 Veron, F.	2.3 Nelson, E. L.
2:15	2.4 Sun, J.	2.4 Wodzicki, K. R.
2:30	2.5 Laxague, N. J. M.	2.5 Sauter, K.
2:45	2.6 Olaniyan, E. A.	2.6 Kablick, G. P. III
3:00	FORMAL POSTER VIEWING WITH COFFEE BREAK (GRAND TERRACE)	
	3: Air-Sea Interactions in High Wind Conditions	3: Using Satellite Data to Assess Convection and Convective Potential
4:30	3.1 Brilouet, P. E.	3.1 Dostalek, J. F.
4:45	3.2 Hwang, P. A.	3.2 Aune, R. M.
5:00	3.3 Holbach, H. M.	3.3 Otkin, J.
5:15	3.4 Richter, D. H.	3.4 Cossuth, J.
6:00	ICEBREAKER RECEPTION (COMMUNITY TERRACE)	
8:00	CONFERENCE ADJOURNS FOR THE DAY	

Tuesday, 16 August 2016

	20 Air-Sea Interaction	21 Satellite Meteorology
	Lecture Hall	Madison Ballroom CD
7:30	REGISTRATION OPENS	
	4: Air-Sea Interaction and Its Effects on Electromagnetic Wave Propagation: Results from CASPER (Coupled Air-Sea Processes and EM Ducting Research) Part I	4: Development of Applications and Innovative Methods of Processing, Combining, Assimilating and Analyzing Satellite Observations of the Land, Ocean/Water, and Atmosphere Part I
8:30	4.1 Wang, Q.	4.1 Smith, W. L. Sr.
8:45	4.2 Fernando, H. J. S.	4.2 Weng, F.
9:00	4.3 Christman, A. J.	4.3 Yu, C. L.
9:15	4.4 Alappattu, D. P.	4.4 Oyola, M. I.
9:30	4.5 Grachev, A. A.	4.5 Ma, G. Sr.
9:45	4.6 Haack, T.	4.6 Kimani, M.
10:00	COFFEE BREAK (GRAND TERRACE)	
	5: Air-Sea Interaction and Its Effects on Electromagnetic Wave Propagation: Results from CASPER (Coupled Air-Sea Processes and EM Ducting Research) Part II	5: JPSS
10:30	5.1 Khelif, D.	5.1 Goldberg, M.
10:45	5.2 Kalogiros, J.	5.2 Hillger, D. W.
11:00	5.3 Cao, T.	5.3 Walther, A.
11:15	5.4 Shen, L.	5.4 Chen, Y.
11:30	5.5 Shearman, R. K.	5.5 Herndon, D.
11:45	5.6 Lozovatsky, I.	5.6A Tsidulko, M.
12:00	BOXED LUNCHES (MADISON BALLROOM AB)	
12:30		Town Hall Meeting: Microsatellites and Nanosatellites
	6: Surface Wave Effects on Turbulence and Air-Sea Interaction, from Small to Climate Scale	6: Potential of New Generation Satellite Systems to Improve Weather, Climate, and Other Environmental Data Products; Enhance User Application and Services, and Contribute to Blended and Fused Satellite Datasets Part I
1:30	6.1 Reichl, B.	6.1 Ardanuy, P. E.
1:45	6.2 Wen, X.	6.2 Revercomb, H. E.
2:00	6.3 Wu, L.	6.3 Best, F. A.
2:15	6.4 Sullivan, P. P.	6.4 Collins, W. D.
2:30	6.5 Veron, F.	6.5 Blackwell, W. J.
2:45	6.6 Zappa, C. J.	6.6 Lim, A.
3:00	FORMAL POSTER VIEWING WITH COFFEE BREAK (GRAND TERRACE)	
		J2: Satellite Measurements of Air-Sea Interaction Processes
4:30		J2.1 Liu, W. T.
4:45		J2.2 Paget, A.
5:00		J2.3 Kulie, M. S.
5:15		J2.4 Roberts, J. B.
5:30	CONFERENCE ADJOURNS FOR THE DAY	

Wednesday, 17 August 2016

20 Air-Sea Interaction		21 Satellite Meteorology
Lecture Hall		Madison Ballroom CD
REGISTRATION OPENS		
	7: Extra-Tropical Air-Sea Interaction: Linkages Between Annular Modes, Western Boundary Currents, and Storm Tracks Part I	7: Development of Applications and Innovative Methods Part II
8:30	7.1 Schneider, N.	7.1 Santek, D. A.
8:45	7.2 Kilpatrick, T. J.	7.2 Wimmers, A.
9:00	7.3 O'Neill, L. W.	7.3 Chang, K. W.
9:15	7.4 Masunaga, R.	7.4 Posselt, D. J.
9:30	7.5 Ma, X.	7.5 minnis, P.
9:45	7.6 Liu, J. W.	7.6 Grecu, M.
COFFEE BREAK (GRAND TERRACE)		
	8: Extra-Tropical Air-Sea Interaction: Linkages Between Annular Modes, Western Boundary Currents, and Storm Tracks Part II	8: GOES-R Part I
10:30	8.1 Small, R.	8.1 Goodman, S. J.
10:45	8.2 Wills, S. M.	8.2 Schmit, T. J.
11:00	8.3 Seo, H.	8.3 Miller, S. D.
11:15	8.4 Tilinina, N.	8.4 Mahale, V. N.
11:30	8.5 Souza, R. B.	8.5 Stano, G. T.
11:45		8.6 Huang, A.
BOXED LUNCHES (MADISON BALLROOM AB)		
12:30		Town Hall Meeting: Evolution of the United States satellite-based observations
		9: Potential of New Generation Satellite Systems Part II
1:30		9.1 Glumb, R. J.
1:45	9: Tropical Air-Sea Interaction	9.2 Sieglaff, J.
2:00	9.1 WITHDRAWN	9.3 Pavolonis, M. J.
2:15	9.2 Roberts, J. B.	9.4 Iskenderian, H.
2:30	9.3 Skillingstad, E. D.	9.5 Folmer, M. J.
2:45	9.4 Fu, J. X.	9.6 Gerth, J. J.
FORMAL POSTER VIEWING WITH COFFEE BREAK (GRAND TERRACE)		
		J3: Cyclone Global Navigation Satellite System
4:30		J3.1 Morris, M.
4:45		J3.2 Yang, S.
5:00		J3.3 Pu, Z.
5:15		J3.4 Crespo, J. A.
5:30	CONFERENCE ADJOURNS FOR THE DAY	

Thursday, 18 August 2016

	20 Air-Sea Interaction	21 Satellite Meteorology
	Lecture Hall	Madison Ballroom CD
7:30	REGISTRATION OPENS	
	10: Air-Sea Interaction at High Latitudes	10: How Satellite Data are Being Used Part II
8:30	10.1 Salisbury, D. J.	10.1A Bedka, K.
8:45	10.2 Letterly, A.	10.2 Fromm, M. D.
9:00	10.3 Perrie, W.	10.3 Brewster, J. K.
9:15	10.4 Persson, P. O. G.	10.4 Kummerow, C.
9:30	10.5 Lüpkes, C.	10.5 Bennartz, R.
9:45	10.6 Wrobel, I. H.	10.6 Posselt, D. J.
	COFFEE BREAK (GRAND TERRACE)	
	11: The Role of Air-Sea Interaction in Climate Variability and Change	11: Research and Operational Satellite Data Applications for Weather, Ocean, and Climate Monitoring and Forecasting Part I
10:30	11.1 DeMott, C. A.	11.1 Gerth, J. J.
10:45	11.2 Xu, J.	11.2 Boll, W. D.
11:00	11.3 Kwon, Y. O.	11.3 Smith, W. L. Jr.
11:15	11.4 Nakamura, H.	11.4 Rapp, A. D.
11:30	11.5 Zheng, F.	11.5 Hubbard, S.
11:45	11.6 Ma, J.	11.6 Sawaengphokhai, P. K.
	20th Conference on Air-Sea Interaction Adjourns	
12:00	BOXED LUNCHES (MADISON BALLROOM AB)	
12:30		Town Hall Meeting: User Readiness for New-Generation Satellites
		12: Research and Operational Satellite Data Applications for Weather, Ocean, and Climate Monitoring and Forecasting Part II
1:30		12.1 Liu, G.
1:45		12.2 Wang, X.
2:00		12.3 Ebuchi, N.
2:15		12.4 Line, W.
2:30		12.5 Cronce, L. M.
2:45		12.6 Mecikalski, J. R.
	FORMAL POSTER VIEWING WITH COFFEE BREAK (GRAND TERRACE)	
		13: Other Topics in Satellite Meteorology
4:30		13.1 Solbrig, J.
4:45		13.2 Turk, F. J.
5:00		13.3 Wang, L.
5:15		13.4 Hoffman, J. P.
5:30	CONFERENCE ADJOURNS FOR THE DAY	

Friday, 19 August 2016

	21 Satellite Meteorology
	Madison Ballroom CD
7:30	REGISTRATION OPENS
	14: GOES-R Part II
8:30	14.1 Martin, G.
8:45	14.2 Lindstrom, S. S.
9:00	14.3 Schreiber-Abshire, W.
9:15	14.4 MacKenzie, W. M. Jr.
9:30	14.5A Santek, D. A.
9:45	14.6 Wang, P. K.
10:00	COFFEE BREAK (GRAND TERRACE)
	15: Satellite Data Reprocessing and Impacts of the Reprocessed Data on Weather and Climate Applications
10:30	15.1 Weng, F.
10:45	15.2 Gumber, A. R.
11:00	15.3 Foster, M. J.
11:15	15.4 Kahn, B. H.
11:30	15.5 WITHDRAWN
11:45	15.6 Berg, W.
12:00	21st Conference on Satellite Meteorology, Oceanography and Climatology Adjourns

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A					E				
Ai, Y.	21SATMET	25	Mon	3:00 PM	Ebuchi, N.	2	1SATMET	12.3	Thu 2:00 PM
Ai, Y.	21SATMET	26	Mon	3:00 PM	Efremova, B.		21SATMET	92	Wed 3:00 PM
Alappattu, D. P.	20ASI	21	Mon	3:00 PM					
Alappattu, D. P.	20ASI	4.4	Tue	9:15 AM	F				
Anguelova, M. D.	20ASI	1.3	Mon	11:15 AM	Fairall, C. W.	20ASI	1.2	Mon 11:00 AM	
Apke, J.	21SATMET	2.2	Mon	1:45 PM	Feltz, M.	21SATMET	85	Wed 3:00 PM	
Ardanuy, P. E.	21SATMET	6.1	Tue	1:30 PM	Feltz, M.	21SATMET	76	Wed 3:00 PM	
Aune, R. M.	21SATMET	3.2	Mon	4:45 PM	Fernando, H. J. S.	20ASI	4.2	Tue 8:45 AM	
B					Folmer, M. J.	21SATMET	9.5	Wed 2:30 PM	
Baum, B. A.	21SATMET	40	Mon	3:00 PM	Foster, M. J.	21SATMET	15.3	Fri 11:00 AM	
Bearson, N.	21SATMET	72	Mon	3:00 PM	Fromm, M. D.	21SATMET	10.2	Thu 8:45 AM	
Bedard, J.	21SATMET	28	Mon	3:00 PM	Fu, J. X.	20ASI	9.4	Wed 2:45 PM	
Bedka, K.	21SATMET	10.1A	Thu	8:30 AM	Fuell, K. K.	21SATMET	49	Mon 3:00 PM	
Bennartz, R.	21SATMET	10.5	Thu	9:30 AM					
Berg, W.	21SATMET	15.6	Fri	11:45 AM	G				
Best, F. A.	21SATMET	6.3	Tue	2:00 PM	Gerth, J. J.	21SATMET	9.6	Wed 2:45 PM	
Bettenhausen, M.	20ASI	4	Mon	3:00 PM	Gerth, J. J.	21SATMET	11.1	Thu 10:30 AM	
Blackwell, W. J.	21SATMET	6.5	Tue	2:30 PM	Glumb, R. J.	21SATMET	9.1	Wed 1:30 PM	
Boll, W. D.	21SATMET	11.2	Thu	10:45 AM	Goldberg, M.	21SATMET	5.1	Tue 10:30 AM	
Borbas, E.	21SATMET	95	Wed	3:00 PM	Gong, X.	21SATMET	38	Mon 3:00 PM	
Borg, L. A.	21SATMET	37	Mon	3:00 PM	Gong, Y.	20ASI	7	Mon 3:00 PM	
Botambekov, D.	21SATMET	74	Mon	3:00 PM	Goodman, S. J.	21SATMET	8.1	Wed 10:30 AM	
Braun, J.	21SATMET	47	Mon	3:00 PM	Grachev, A. A.	20ASI	4.5	Tue 9:30 AM	
Brewster, J. K.	21SATMET	10.3	Thu	9:00 AM	Grecu, M.	21SATMET	7.6	Wed 9:45 AM	
BRILOUET, P. E.	20ASI	3.1	Mon	4:30 PM	Greenwald, T.	21SATMET	60	Mon 3:00 PM	
Buckley, M.	20ASI	2.2	Mon	1:45 PM	Griffin, S. M.	21SATMET	84	Wed 3:00 PM	
Burgess, G. M.	21SATMET	65	Mon	3:00 PM	Gumber, A. R.	21SATMET	15.2	Fri 10:45 AM	
C					Gunshor, M. M.	21SATMET	104	Wed 3:00 PM	
Cao, T.	20ASI	5.3	Tue	11:00 AM					
Chang, K. W.	21SATMET	7.3	Wed	9:00 AM	H				
Chen, Y.	21SATMET	5.4	Tue	11:15 AM	Haack, T.	20ASI	4.6	Tue 9:45 AM	
Cheng, K. Y.	21SATMET	75	Mon	3:00 PM	Hang, Y.	21SATMET	36	Mon 3:00 PM	
Cherviakov, M. Y.	21SATMET	24	Mon	3:00 PM	Hankins, W.	21SATMET	110	Wed 3:00 PM	
Choi, T.	21SATMET	90	Wed	3:00 PM	Hassey, E. P.	20ASI	19	Mon 3:00 PM	
Christman, A. J.	20ASI	4.3	Tue	9:00 AM	Heidinger, A.	21SATMET	53	Mon 3:00 PM	
Cikanek, H.	21SATMET	1.3	Mon	11:00 AM	Herndon, D.	21SATMET	5.5	Tue 11:30 AM	
Collins, W. D.	21SATMET	6.4	Tue	2:15 PM	Hillger, D. W.	21SATMET	5.2	Tue 10:45 AM	
Connell, B. H.	21SATMET	122	Wed	3:00 PM	Hoese, D.	21SATMET	102	Wed 3:00 PM	
Cossuth, J.	21SATMET	3.4	Mon	5:15 PM	Hoese, D.	21SATMET	41	Mon 3:00 PM	
Crespo, J. A.	21SATMET	J3.4	Wed	5:15 PM	Hoffman, J. P.	21SATMET	13.4	Thu 5:15 PM	
Cronce, L. M.	21SATMET	12.5	Thu	2:30 PM	Holbach, H. M.	20ASI	3.3	Mon 5:00 PM	
Cureton, G.	21SATMET	124	Wed	3:00 PM	Hoover, B. T.	21SATMET	94	Wed 3:00 PM	
D					Huang, A.	21SATMET	8.6	Wed 11:45 AM	
Davies, J. E.	21SATMET	108	Wed	3:00 PM	Huang, W.	20ASI	22	Mon 3:00 PM	
Davies, J. E.	21SATMET	114	Wed	3:00 PM	Hubbard, S.	21SATMET	11.5	Thu 11:30 AM	
DeMott, C. A.	20ASI	11.1	Thu	10:30 AM	Hwang, P. A.	20ASI	3.2	Mon 4:45 PM	
Dostalek, J. F.	21SATMET	3.1	Mon	4:30 PM					
Dostalek, J. F.	21SATMET	119	Wed	3:00 PM	I				
Douglas, A. R.	21SATMET	71	Mon	3:00 PM	Inamdar, A. K.	21SATMET	83	Wed 3:00 PM	
					Inoue, T.	21SATMET	64	Mon 3:00 PM	
					Iskenderian, H.	21SATMET	9.4	Wed 2:15 PM	

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K						Mikovitz, J. C.	21SATMET	103	Wed	3:00 PM
Kablick, G. P. III	21SATMET	2.6	Mon	2:45 PM		Miller, S. D.	21SATMET	8.3	Wed	11:00 AM
Kahn, B. H.	21SATMET	15.4	Fri	11:15 AM		Miller, S. D.	21SATMET	J1.3	Mon	9:30 AM
Kalogiros, J.	20ASI	5.2	Tue	10:45 AM		Mindock, S.	21SATMET	120	Wed	3:00 PM
Khelif, D.	20ASI	5.1	Tue	10:30 AM		Mindock, S.	21SATMET	107	Wed	3:00 PM
Kilpatrick, T. J.	20ASI	7.2	Wed	8:45 AM		Mindock, S.	21SATMET	51	Mon	3:00 PM
Kimani, M.	21SATMET	4.6	Tue	9:45 AM		Minnis, P.	21SATMET	7.5	Wed	9:30 AM
Knapp, K. R.	21SATMET	87	Wed	3:00 PM		Miretzky, K. W.	21SATMET	77	Wed	3:00 PM
Ko, K. C.	20ASI	9	Mon	3:00 PM		Monahan, E. C.	20ASI	1.1	Mon	10:30 AM
Kohrs, R. A.	21SATMET	91	Wed	3:00 PM		Morris, M.	21SATMET	J3.1	Wed	4:30 PM
Kratz, D. P.	21SATMET	31	Mon	3:00 PM		Motta, B. C.	21SATMET	116	Wed	3:00 PM
Kulie, M. S.	21SATMET	J2.3	Tue	5:00 PM	N					
Kummerow, C.	21SATMET	10.4	Thu	9:15 AM	Nakamura, H.	21SATMET	J1.2	Mon	9:00 AM	
Kwon, Y. O.	20ASI	8	Mon	3:00 PM	Nakamura, H.	20ASI	11.4	Thu	11:15 AM	
Kwon, Y. O.	20ASI	11.3	Thu	11:00 AM	Nelson, E. L.	21SATMET	2.3	Mon	2:00 PM	
L						Nelson, J. P. III	21SATMET	113	Wed	3:00 PM
Laxague, N. J. M.	20ASI	2.5	Mon	2:30 PM	Nikolla, E.	21SATMET	27	Mon	3:00 PM	
Layns, A.	21SATMET	43	Mon	3:00 PM	O					
Lenters, J.	20ASI	15	Mon	3:00 PM	O'Neill, L. W.	20ASI	7.3	Wed	9:00 AM	
Leshkevich, G.	21SATMET	56	Mon	3:00 PM	Olander, T. L.	21SATMET	93	Wed	3:00 PM	
Letterly, A.	20ASI	10.2	Thu	8:45 AM	Olaniyan, E. A.	20ASI	2.6	Mon	2:45 PM	
Li, Y.	21SATMET	70	Mon	3:00 PM	Otkin, J.	21SATMET	3.3	Mon	5:00 PM	
Liang, D.	21SATMET	100	Wed	3:00 PM	Otkin, J.	21SATMET	98	Wed	3:00 PM	
Lim, A.	21SATMET	6.6	Tue	2:45 PM	Oyama, R.	21SATMET	97	Wed	3:00 PM	
Lindstrom, S. S.	21SATMET	14.2	Fri	8:45 AM	Oyola, M. I.	21SATMET	4.4	Tue	9:15 AM	
Line, W.	21SATMET	12.4	Thu	2:15 PM	P					
Liu, G.	21SATMET	12.1	Thu	1:30 PM	Paget, A.	21SATMET	J2.2	Tue	4:45 PM	
Liu, J. W.	20ASI	7.6	Wed	9:45 AM	Pavolonis, M. J.	21SATMET	9.3	Wed	2:00 PM	
Liu, W. T.	21SATMET	J2.1	Tue	4:30 PM	Peng, T.	20ASI	1.5	Mon	11:45 AM	
Lombardo, K.	20ASI	10	Mon	3:00 PM	Perrie, W.	20ASI	10.3	Thu	9:00 AM	
Lozovatsky, I.	20ASI	5.6	Tue	11:45 AM	Persson, P. O. G.	20ASI	10.4	Thu	9:15 AM	
Lüpkes, C.	20ASI	10.5	Thu	9:30 AM	Persson, P. O. G.	20ASI	2.1	Mon	1:30 PM	
M						Peterson, D. A.	21SATMET	39	Mon	3:00 PM
Ma, G. Sr.	21SATMET	4.5	Tue	9:30 AM	Phillips, B.	20ASI	16	Mon	3:00 PM	
Ma, J.	20ASI	11.6	Thu	11:45 AM	Plokhenko, Y.	21SATMET	111	Wed	3:00 PM	
Ma, X.	20ASI	7.5	Wed	9:30 AM	Posselt, D. J.	21SATMET	10.6	Thu	9:45 AM	
MacKenzie, W.M.Jr.	21SATMET	14.4	Fri	9:15 AM	Posselt, D. J.	21SATMET	7.4	Wed	9:15 AM	
Mahale, V. N.	21SATMET	8.4	Wed	11:15 AM	Przybyl, G.	21SATMET	127	Wed	3:00 PM	
Mandt, G.	21SATMET	1.2	Mon	10:45 AM	Pu, Z.	21SATMET	J3.3	Wed	5:00 PM	
Mao, J.	20ASI	6	Mon	3:00 PM	R					
Martin, G.	21SATMET	14.1	Fri	8:30 AM	Rana, A.	21SATMET	105	Wed	3:00 PM	
Masunaga, R.	20ASI	7.4	Wed	9:15 AM	Rapp, A. D.	21SATMET	11.4	Thu	11:15 AM	
Mateling, M. E.	21SATMET	115	Wed	3:00 PM	Reed, B.	21SATMET	58	Mon	3:00 PM	
Maturi, E.	21SATMET	23	Mon	3:00 PM	Reichl, B.	20ASI	17	Mon	3:00 PM	
Matus, A.	21SATMET	67	Mon	3:00 PM	Reichl, B.	20ASI	6.1	Tue	1:30 PM	
McIlhattan, E. A.	21SATMET	2.1	Mon	1:30 PM	Ren, T.	21SATMET	109	Wed	3:00 PM	
Mecikalski, J. R.	21SATMET	12.6	Thu	2:45 PM	Revercomb, H. E.	21SATMET	6.2	Tue	1:45 PM	
Menzel, P.	21SATMET	1.4	Mon	11:15 AM	Richter, D. H.	20ASI	3.4	Mon	5:15 PM	
Merrelli, A.	21SATMET	48	Mon	3:00 PM						

PRESENTER INDEX

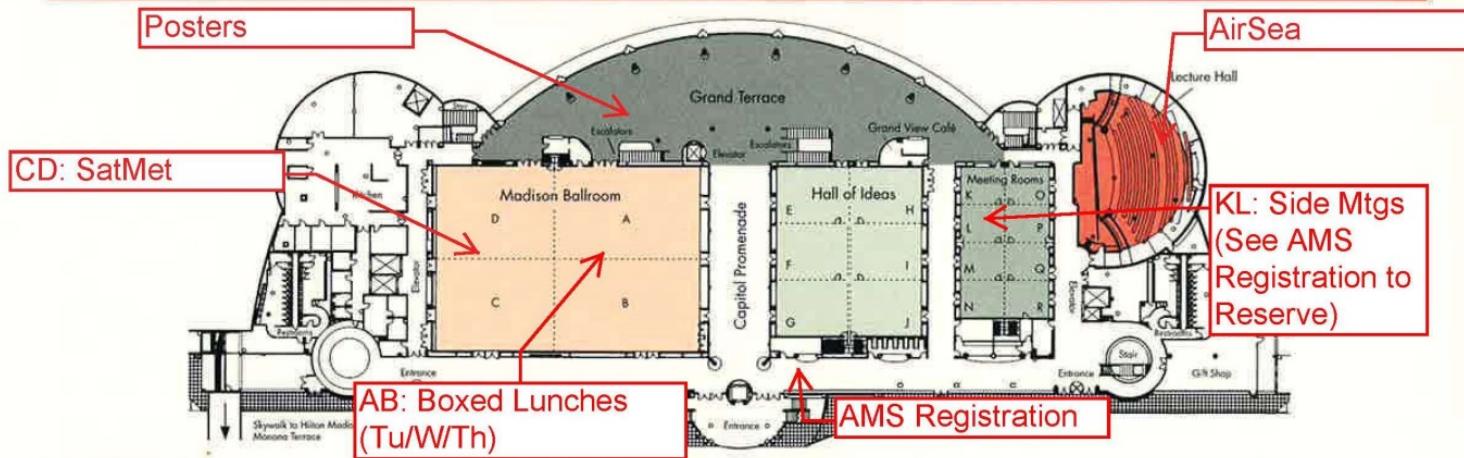
	Conf.	Paper #	Day	Time		Conf.	Paper #	Day	Time
R (cont.)					U				
Robaidek, J. O.	21SATMET	54	Mon	3:00 PM	Ulate, M.	20ASI	14	Mon	3:00 PM
Roberts, J. B.	20ASI	11	Mon	3:00 PM					
Roberts, J. B.	21SATMET	J2.4	Tue	5:15 PM	V				
Roberts, J. B.	20ASI	9.2	Wed	2:15 PM	Veglio, P.	21SATMET	69	Mon	3:00 PM
Ross, A.	21SATMET	73	Mon	3:00 PM	Velden, C. S.	21SATMET	63	Mon	3:00 PM
Rutan, D. A.	21SATMET	66	Mon	3:00 PM	Veron, F.	20ASI	6.5	Tue	2:30 PM
S					Veron, F.	20ASI	2.3	Mon	2:00 PM
Salisbury, D. J.	20ASI	10.1	Thu	8:30 AM	W				
Santek, D. A.	21SATMET	7.1	Wed	8:30 AM	Walther, A.	21SATMET	5.3	Tue	11:00 AM
Santek, D. A.	21SATMET	14.5A	Fri	9:30 AM	Wang, L.	21SATMET	13.3	Thu	5:00 PM
Sauter, K.	21SATMET	2.5	Mon	2:30 PM	Wang, P. K.	21SATMET	14.6	Fri	9:45 AM
Savelyev, I.	20ASI	20	Mon	3:00 PM	Wang, P.	21SATMET	62	Mon	3:00 PM
Sawaengphokhai, P.	21SATMET	11.6	Thu	11:45 AM	Wang, Q.	20ASI	4.1	Tue	8:30 AM
Schmidt, C. C.	21SATMET	125	Wed	3:00 PM	Wang, X.	21SATMET	12.2	Thu	1:45 PM
Schmit, T. J.	21SATMET	8.2	Wed	10:45 AM	Wang, Y.	20ASI	1	Mon	3:00 PM
Schneider, N.	20ASI	7.1	Wed	8:30 AM	Wang, Y.	20ASI	3	Mon	3:00 PM
Schreiber-Abshire, W.	21SATMET	14.3	Fri	9:00 AM	Wang, Z.	21SATMET	78	Wed	3:00 PM
Schultz, R. E.	21SATMET	68	Mon	3:00 PM	Wanzong, S.	21SATMET	50	Mon	3:00 PM
Seo, H.	20ASI	8.3	Wed	11:00 AM	Ward, B.	21SATMET	81	Wed	3:00 PM
Sessions, W. R.	21SATMET	44	Mon	3:00 PM	Ward, B.	21SATMET	1.5	Mon	11:30 AM
Shearman, R. K.	20ASI	5.5	Tue	11:30 AM	Weisz, E.	21SATMET	118	Wed	3:00 PM
Shen, L.	20ASI	5.4	Tue	11:15 AM	Wen, X.	20ASI	6.2	Tue	1:45 PM
Sieglauff, J.	21SATMET	9.2	Wed	1:45 PM	Weng, F.	21SATMET	15.1	Fri	10:30 AM
Sienko, A. V.	21SATMET	59	Mon	3:00 PM	Weng, F.	21SATMET	4.2	Tue	8:45 AM
Sjoberg, B.	21SATMET	30	Mon	3:00 PM	Wills, S. M.	20ASI	8.2	Wed	10:45 AM
Sjoberg, B.	21SATMET	34	Mon	3:00 PM	Wimmers, A.	21SATMET	7.2	Wed	8:45 AM
Skyllingstad, E. D.	20ASI	9.3	Wed	2:30 PM	Witek, M. L.	20ASI	1.4	Mon	11:30 AM
Small, R.	20ASI	8.1	Wed	10:30 AM	Wodzicki, K. R.	21SATMET	2.4	Mon	2:15 PM
Smith, N. M.	21SATMET	106	Wed	3:00 PM	Wrenn, F. J. IV	21SATMET	42	Mon	3:00 PM
Smith, W. L. Sr.	21SATMET	4.1	Tue	8:30 AM	Wrobel, I. H.	20ASI	10.6	Thu	9:45 AM
Smith, W. L. Jr.	21SATMET	11.3	Thu	11:00 AM	Wu, L.	20ASI	6.3	Tue	2:00 PM
Solbrig, J.	21SATMET	13.1	Thu	4:30 PM					
Solbrig, J. E.	21SATMET	52	Mon	3:00 PM	X				
Souza, R. B.	20ASI	8.5	Wed	11:30 AM	Xu, J.	20ASI	11.2	Thu	10:45 AM
Spayd, L. Jr.	21SATMET	88	Wed	3:00 PM	Xue, T.	21SATMET	32	Mon	3:00 PM
St. Germain, K.	21SATMET	1.1	Mon	10:30 AM					
Stano, G. T.	21SATMET	8.5	Wed	11:30 AM	Y				
Stettner, D.	21SATMET	99	Wed	3:00 PM	Yamaguchi, R.	20ASI	18	Mon	3:00 PM
Strabala, K. I.	21SATMET	117	Wed	3:00 PM	Yang, H.	21SATMET	82	Wed	3:00 PM
Straka, W. III	21SATMET	123	Wed	3:00 PM	Yang, S.	21SATMET	J3.2	Wed	4:45 PM
Sullivan, P. P.	20ASI	6.4	Tue	2:15 PM	Ye, X.	20ASI	13	Mon	3:00 PM
Sumargo, E.	21SATMET	101	Wed	3:00 PM	Yost, C. R.	21SATMET	126	Wed	3:00 PM
Sun, J.	20ASI	2.4	Mon	2:15 PM	Young, A. H.	21SATMET	79	Wed	3:00 PM
Sun, N.	21SATMET	96	Wed	3:00 PM	Yu, C. L.	21SATMET	4.3	Tue	9:00 AM
Surratt, M.	21SATMET	35	Mon	3:00 PM					
Szoke, E.	21SATMET	89	Wed	3:00 PM	Z				
					Zappa, C. J.	20ASI	6.6	Tue	2:45 PM
					Zhang, Q.	20ASI	5	Mon	3:00 PM
					Zhang, S.	21SATMET	33	Mon	3:00 PM
					Zheng, F.	20ASI	11.5	Thu	11:30 AM
					Zheng, Y.	21SATMET	29	Mon	3:00 PM
					Zhou, L.	21SATMET	55	Mon	3:00 PM

T

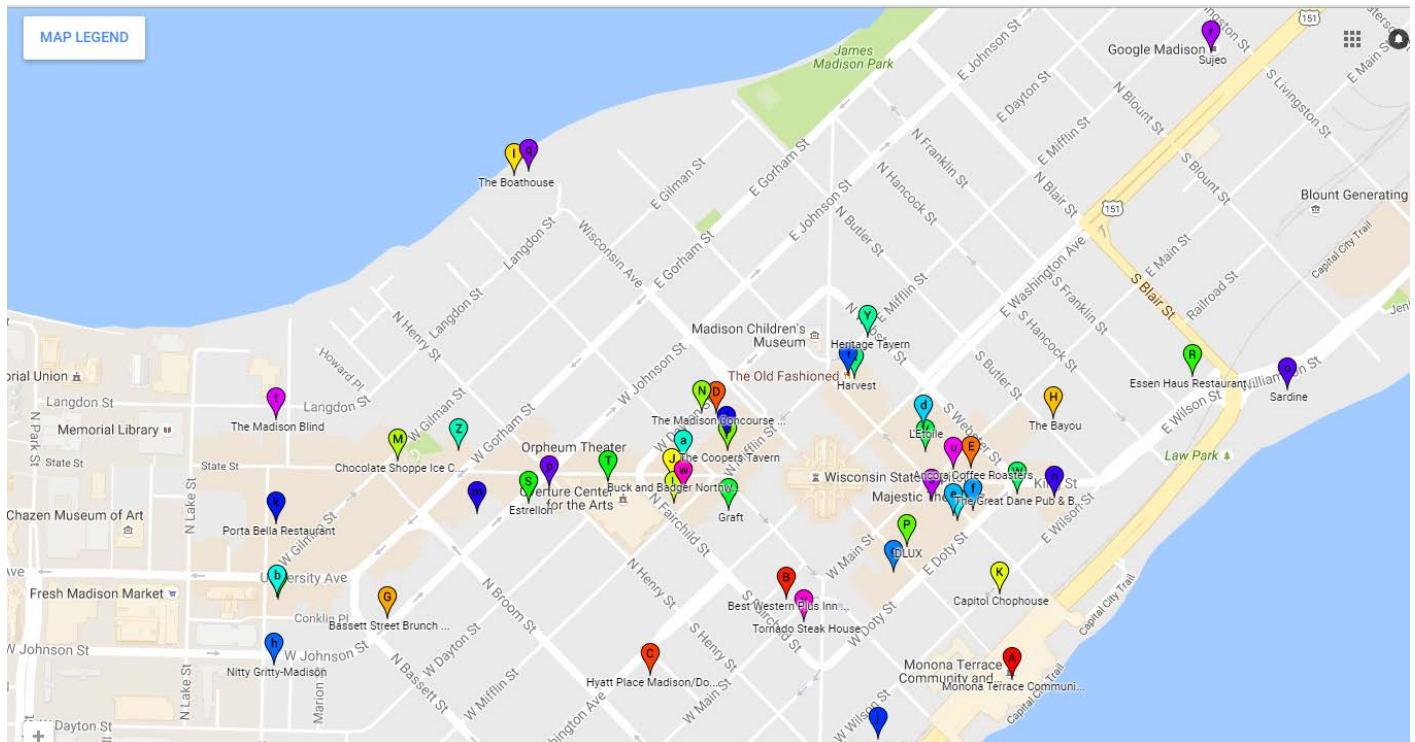
Tian, M.	21SATMET	112	Wed	3:00 PM
Tilinina, N.	20ASI	8.4	Wed	11:15 AM
Torres, J.	21SATMET	45	Mon	3:00 PM
Tsidulko, M.	21SATMET	5.6A	Tue	11:45 AM
Tsu, J.	21SATMET	80	Wed	3:00 PM
Turk, F. J.	21SATMET	13.2	Thu	4:45 PM
Tushaus, S. A.	21SATMET	57	Mon	3:00 PM

Map of Monona Terrace Community and Convention Center

LEVEL 4 - MEETING ROOMS / GRAND TERRACE



Map of Madison Area Restaurants, Attractions, and Hotels



- | | | | |
|--|--|----------------------------|------------------------------|
| 📍 Monona Terrace Community and Convention Center | 📍 CIRC | 📍 HopCat | 📍 Porta Bella Restaurant |
| 📍 Best Western Plus Inn on the Park | 📍 The Coopers Tavern | 📍 Ian's Pizza on State | 📍 Rare Steakhouse |
| 📍 Hyatt Place Madison/Downtown | 📍 DLUX | 📍 Ian's Pizza by the Slice | 📍 Red Rock Saloon |
| 📍 The Madison Concourse Hotel | 📍 Dotty Dumpling's Dowry | 📍 Johnny Delmonico's | 📍 Restaurant Muramoto |
| 📍 Ancora Coffee Roasters | 📍 Essen Haus Restaurant and Bar | 📍 L'Etoile | 📍 Sardine |
| 📍 Avenue Club and The Bubble Up Bar | 📍 Estrellon | 📍 Marigold Kitchen | 📍 Short Stack Eatery |
| 📍 Bassett Street Brunch Club | 📍 Fresco | 📍 Merchant Madison | 📍 The Statehouse |
| 📍 The Bayou | 📍 Graft | 📍 Milio's Sandwiches | 📍 Sujeo |
| 📍 The Boathouse | 📍 Graze | 📍 Nitty Gritty-Madison | 📍 Tavernakaya |
| 📍 Buck and Badger Northwoods Lodge | 📍 The Great Dane Pub & Brewing Company | 📍 The Old Fashioned | 📍 The Madison Blind |
| 📍 Capitol Chophouse | 📍 Harvest | 📍 Paisan's Restaurant | 📍 Tipsy Cow |
| 📍 Cento | 📍 Heritage Tavern | 📍 Porta Bella Restaurant | 📍 Tornado Steak House |
| 📍 Chocolate Shoppe Ice Cream Co. | | | 📍 Wisconsin Brewing Tap Haus |