

ICON at AGU Fall Meeting

Washington DC, 10-14 Dec. 2018

AGU's Fall Meeting is the largest Earth and space science meeting in the world.

Here are ICON or GOLD science-related sessions, posters and the SPA Town Hall on Monday night.

Monday, 10 December 2018

Note: Most of Monday is relevant.

SA11A: Global Dynamical Response of the Upper Atmosphere to External Forcing I

08:00 - 10:00 Walter E Washington Convention Center - 202B

Alan Burns et al

SA11A-01: Empirical quantification of the vertical transport and escape of atomic hydrogen in the terrestrial upper atmosphere

08:07 - 08:22 Walter E Washington Convention Center - 202B

Lara Waldrop

SA11A-03: Tide-Kelvin Wave Interactions in the Tropical Ionosphere and Thermosphere: An ICON Perspective

08:37 - 08:52 Walter E Washington Convention Center - 202B

Jeffrey Forbes

SA11A-06: Global-scale Observations of the Limb and Disk (GOLD): Early Orbit Observations

09:22 - 09:37 Walter E Washington Convention Center - 202B

Richard Eastes

SA11A-07: Observations and Modeling of Atomic/Molecular Composition in the Thermosphere

09:37 - 09:52 Walter E Washington Convention Center - 202B

Stanley Solomon

SA13A: New Scientific Measurements in near-Earth Space I

13:40 - 15:40 Walter E Washington Convention Center - 202B

Panel

SA14A: New and Emerging Magnetosphere–Ionosphere–Thermosphere Coupling Science from Remote and in Situ Spacecraft Measurements: The First 5 Years of Swarm I

16:00 - 18:00 Walter E Washington Convention Center – 207A

SA14A-05: SWARM observations of Memorial Day storm in conjunction with MANGO imaging network

17:00 - 17:14 Walter E Washington Convention Center - 207A

Asti Bhatt

SA14B: Recent advances in the Study of Ionospheric Irregularities Using Ground- and Space-Based Measurements 1

SA14B-02: Equatorial Ionospheric Specification and Forecasting Using Combined HF Beacon and Incoherent Scatter Radar Data and Numerical Modeling (Invited)

16:12 - 16:29 Walter E Washington Convention Center - 202B

David Hysell et al

TH15G: (SPA Town Hall): Space Physics and Aeronomy Section Agency Night

18:15 - 19:15 Marriott Marquis - Independence A-C

We urge you to meet with representatives from NASA and the National Science Foundation (NSF) to become better informed about current and pending programs and recent developments at both Agencies that address the SPA research areas. This is your Town Hall; this one hour session provides an opportunity to learn about future plans for the discipline and to provide feedback to the funding agencies.

Tuesday, 11 December 2018

Note: We have a lot of relevant posters in SA21A.

SA21A: New Scientific Measurements in near-Earth Space II Posters

08:00 - 12:20 Walter E Washington Convention Center - Hall A-C (Poster Hall)

Several new space-based instruments and observatories dedicated to understanding conditions and processes in the ionosphere and upper atmosphere have come online in 2018. These systems will likely provide significant new scientific results and capability for operational model validation. This session is dedicated to informing the scientific community of the new observations that are now available and any new scientific findings that may be reported thus far from observatories in near-Earth space. Discussion of the potential or realization of scientific gains from collaborative efforts between ground-based instruments/networks or older space-based observatories is welcome.

SA21A-3146 Analytic methods for the Abel transform of exponential functions describing planetary and cometary atmospheres.

Benoit A Hubert

SA21A-3148 Accessing and Using GOLD and ICON Data Through SPDF Services

Robert E McGuire

SA21A-3149 Variations in the Ionosphere-Thermosphere System from Tides, Ultra-Fast Kelvin Waves, and Their Interactions.

Colin Triplett

SA21A-3150 The ICON Far Ultra-Violet Imager

Harald U Frey

SA21A-3151 The Ionospheric Connection Explorer: Mission Design and Goals

Thomas J Immel

SA21A-3154 UV Remote Sensing of the Daytime Ionosphere and Thermosphere: Challenges, Results, and Future Directions

Andrew W Stephan

SA21A-3155 The error analysis of the MIGHTI neutral wind velocity retrieval with respect to the non-uniformity of the 630.0 nm airglow

Yen-Jung Wu

SA21A-3159 Automated Planning of the Nominal Science Operations for the Ionospheric Connection Explorer (ICON)

Sabine Frey

SA21A-3161 ICON Investigations of Ionospheric Electrodynamics

Russell Stoneback

SA21A-3174 Are UV Limb Observations Useful for Data Assimilation?

George Geddes

SA21A-3176 Observing the Column O/N₂ Density Ratio on the Earth Disk with the ICON FUV Imager

Robert R Meier

Thursday, 13 December 2018

SH41B: Space Weather Research and Forecasting: Building Tomorrow's Space Weather Architectures I

08:00 - 10:00 Walter E Washington Convention Center - 207B

Panel

SA42A: Progress in Whole Atmosphere Coupling Studies I

10:20 - 12:20 Walter E Washington Convention Center - 202B

Erdal Yiğit et al

10:50 - SA42A-03: Are there MJO Signatures in Antarctic Gravity Waves Hinted by High-Resolution ECMWF Model and Lidar Observations?

Chihoko Y Cullens

Friday, 14 December 2018

SA52A: Advances in Equatorial Thermosphere and Ionosphere Studies I

10:20 - 12:20 Walter E Washington Convention Center - 202B