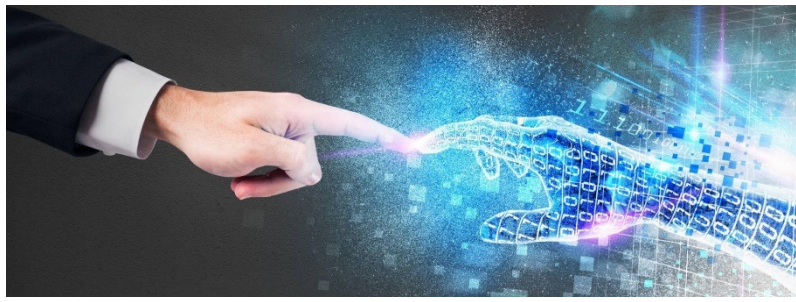




Grand Challenge: CONCERT

**Coordinated Ground and Space-based Observations of the Ionosphere-
Thermosphere System**

**Katelynn Greer (LASP), Alan Burns (HAO), Scott England (VT), Bill
Scheiner (NCAR)**



2020 Virtual Workshop Call

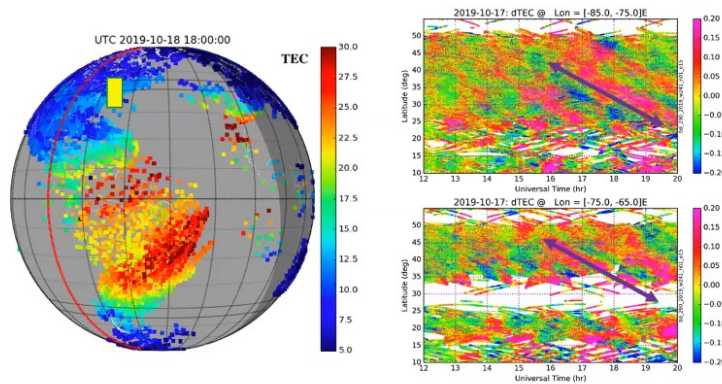
This workshop provides a forum for the community of investigators studying the thermospheric thermal, compositional, dynamic structures, and their interaction with the ionosphere using coordinated observations from ground- and space-based instruments, including GOLD, ICON and COSMIC-2. Contributions are welcome in the form of brief focused presentations. Of particular interest are investigations combining ground-based and space-based observations, opportunities for campaigns, and/or proposals for coordinated ground- and space-based instruments. The sessions will include time for open discussion assessing progress and discussing future directions. The workshop provides a forum for sharing what was learned from each campaign, but the primary goal of that activity is to help refine plans for the following year and present new scientific insights from previous campaigns.

Tuesday, 23 June 2020

Speakers:

- Richard Eastes
- Scott England
- Xuguang Cai
- Fazlul Laskar
- Tomoko Matsuo
- Rob Daniell

➤ 96 Participants

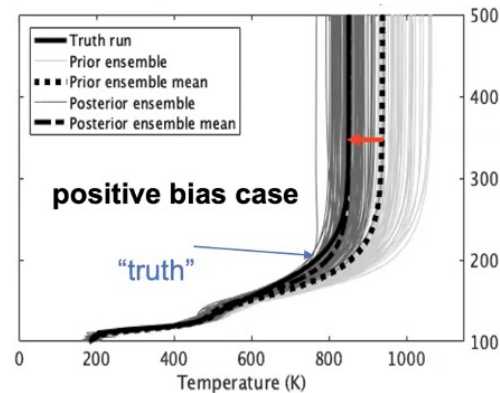


Wednesday, 23 June 2020

Speakers:

- Jonathon Makela
- Gilles Wautelet
- John Braun
- Carlos Martinis
- Josh Semeter
- Valery Yudin

➤ 116 Participants



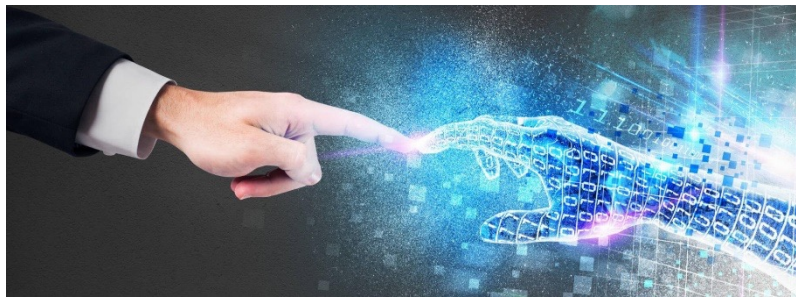
Main Points From Discussions

- Event driven coincident observation campaigns/collaborations
- Focus on specific time periods
 - Fall Gravity Wave campaign
 - Different hemisphere/season
 - Hurricanes?
 - Need ISR temps
 - Next Solar Eclipse
- Temperature change campaigns- pent-up demand for this
- Collaborate with WHPI
- Compare FUV and Ionsonde data
- Question: How would additional GOLD instrument (at different longitude) improve understanding?
- What do assimilations need for improvement?
- Can we coalesce around specific questions that need to be addressed? Next year have a list of specific questions for collaboration?



Recordings & Transcripts at:

http://cedarweb.vsp.ucar.edu/wiki/index.php/2020_Workshop:GC_CONCERT



2021 Virtual Workshop Call

This workshop provides a forum for the community of investigators studying the thermospheric thermal, compositional, dynamic structures, and their interaction with the ionosphere using coordinated observations from ground- and space-based instruments, including GOLD, ICON and COSMIC-2. Of particular interest are investigations combining ground-based and space-based observations, opportunities for campaigns, and/or proposals for coordinated ground- and space-based instruments. The sessions will include time for open discussion assessing progress and discussing future directions.

Schedule

Monday	Speaker	
1:00	Katelynn Greer	Intoduction
1:15	John Braun	
1:30	Joe Huba	
1:45	Juan Rodriguez-Zuluaga	
2:00	Ruth Lieberman	
2:15	Federico Gasperini	
2:30	Robert Mitchell	
2:45	All	Discussion
3:00	All	Discussion

Tuesday		
1:00	Katelynn Greer	Introduction
1:15	Jonathan Makela	
1:30	Brian Harding	
1:45	Miguel Urco Cordero	
2:00	Shun-Rong Zhang	
2:15	Fazlul Laskar	
2:30		
2:45	All	Discussion
3:00	All	Discussion