GC Workshop "Impact of Terrestrial Weather on the Space Weather of the ITM"
Friday, June 27, 1:30-3:30 & 4:00-6:00, Room 319-320
https://clemson.zoom.us/j/98138695100

1:30-1:35 Jens Oberheide, Clemson University, Welcome and Introduction

1:35-1:50 Erdal Yiğit, GMU, Observations of Ionospheric and Thermospheric Effects of Hurricanes

1:50-2:05 Jaime Aguilar Guerrero, ERAU, Multi-instrument Imaging of Deep Convective Events and Their Gravity Wave Responses Over CONUS Using AWE, AIRS, TEC, and LLITED Data

2:05-2:20 Hanli Liu, HAO/NCAR, Study of Gravity Wave Effects on Dynamics and Transport in the Mesosphere, Thermosphere and Ionosphere Using High-Resolution WACCM-X

2:20-2:35 Josh Pettit, GMU, Preliminary Results from Extending GEOS to the Thermosphere

2:35-2:50 Xian Lu, Clemson University, Quantification of I-T day-to-day variability driven from above and below using TIEGCM, ICON, and COSMIC-2

2:50-3:05 Bjoern Bergsson, ERAU, Advancing Coupled Atmosphere-Ionosphere Simulations: Capabilities and Insights from a Realistic Case Study of AGW-Driven TIDs

3:05-3:20 Federico Gasperini, Orion Space, Impacts of Resolved Gravity Waves on Global-Scale Wave Variability in the Ionosphere-Thermosphere: Insights from WACCM-X, ICON, and COSMIC-2.

3:20-3:30 Discussion

BREAK

4:00-4:15 Nick Pedatella, HAO/NCAR, Planetary wave driven variability in equatorial plasma bubbles

4:15-4:30 Sevag Derghazarian, MIT Haystack, Connections between Stratospheric GWs, the Polar Vortex, and MSTIDs from longitudinally distinct regions

4:30-4:45 Sunil Kumar, Clemson University, Impact of Long-term Arctic Changes on the Mesosphere and Lower Thermosphere

4:45-5:00 Zishun Qiao, HAO/NCAR, Different Characteristics of Interhemispheric Coupling during Early- and Late Winter Major SSWs

5:00-5:15 Jiarong Zhang, Utah State, Impact of Arctic and Antarctic Sudden Stratospheric Warmings on Thermospheric Composition

5:15-5:30 Mukta Neogi, Clemson University, A Quantitative Assessment of Thermospheric Energy and Heating Due to Atmospheric Tides

5:30-5:45 Yen-Jung (Joanne) Wu, UC Berkeley, Tracking the Quasi-6-Day Wave in MLT using ICON/MIGHTI: From Detection to Distinction

5:45-6:00 Yingfei Chen, CU Boulder, TINa SAO and Turning Point Observed by Lidar