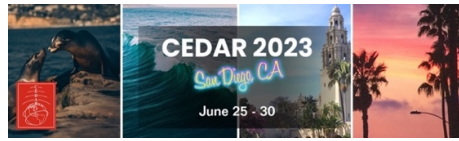


CEDAR 2023, SPV-ITM Coupling Session  
Thursday, June 29 (CEDAR Conference Hotel, Westcoast Room)

Agenda



Join Zoom Meeting: <https://cuboulder.zoom.us/j/91020398399>

Meeting ID: 910 2039 8399, Passcode: 093122

**Session:** 'Whole-Atmosphere Interconnections between the Stratospheric Polar Vortex and the Ionosphere-Thermosphere-Mesosphere: New Insights from Recent Modeling and Observational Studies'.

**Conveners:** Federico Gasperini; Larisa Goncharenko; McArthur Jones Jr; Nicholas Pedatella; Katelynn Greer; Tarique Siddiqui; Zishun Qiao; Katrina Bossert.

13:30 – 13:35 Introductory Remarks (*Federico Gasperini*)

13:35 – 13:50 Tutorial: Stratospheric Polar Vortex (*Lynn Harvey, invited*)

13:50 – 14:02 New Results: Gravity Waves and Traveling Ionospheric Disturbances from the Polar Vortex (*Sharon Vadas*)

14:02 – 14:14 Tidal Contribution to Quiet-time Thermosphere Zonal Wind Variations over Alaska During the December 2018 SSW (*Komal Kumari, invited*)

14:14 – 14:26 Impact of the 2020/2021 SSW on the Thermospheric Circulation and Temperature as Observed by ICON and GOLD (*Erdal Yiğit*)

14:26 – 14:38 Response of the F-region Ionosphere to Variations in the Polar Stratospheric Vortex (*Deepali Aggarwal*)

14:38 – 14:50 Multi-Instrument Observations and Modeling of MSTIDs, LSTIDs, and the SPV: 2018-19 Case Study and 2010-2022 Climatology (*Nathaniel Frissell*)

14:50 – 15:02 Connections Between Stratospheric and Mesospheric Gravity Waves, Winds and Traveling Ionospheric Disturbances (*Sevag Derghazarian*)

15:02 – 15:14 Quantifying the Impact of the Stratospheric Vortex on Short-Term O/N<sub>2</sub> Variability in the IT from GOLD and WACCM-X (*Ben Martinez*)

15:14 – 15:30 Discussion