

Geophysical Consequences and Applications of Space Weather



TUESDAY, OCTOBER 15, 2024

****Please note, agenda details are subject to change**

All times PM Eastern Daylight Time (GMT-4)

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| 1:00–1:05 | <p>Welcome and Introduction</p> <p><i>Thorsten Becker, The University of Texas at Austin, COSEG chair</i></p> <p>Session 1</p> |
| 1:05–1:25 | <p>Space weather from sun to mud</p> <p><i>Tuija Pulkkinen, University of Michigan</i></p> |
| 1:25–1:45 | <p>Mapping magnetic superstorms</p> <p><i>Jeffrey Love, U.S. Geological Survey</i></p> |
| 1:45–2:05 | <p>The NOAA/USGS Geoelectric Field Mapping Program: a Collaborative Effort to Provide Improved Space Weather Information Related to the Induction of Current in the Electrical Power Grid During Geomagnetic Storms</p> <p><i>Christopher Balch, University of Colorado and NOAA Space Weather Prediction Center</i></p> |
| 2:05–2:35 | <p>Panel 1 (Q&A with speakers)</p> |
| 2:35–3:00 | <p>Break</p> <p>Session 2</p> |
| 3:00–3:20 | <p>Ground-based instrumentation for monitoring space weather</p> <p><i>Anthea Coster, MIT Haystack Observatory</i></p> |
| 3:20–3:40 | <p>Ionospheric irregularities, challenges/opportunities</p> <p><i>Seebany Datta-Barua, Illinois Institute of Technology</i></p> |
| 3:40–4:00 | <p>Connection of ionospheric research to seismology and geodynamics</p> <p><i>Artem Smirnov, GFZ Potsdam</i></p> |
| 4:00–4:30 | <p>Panel 2 (Q&A with speakers)</p> |
| 4:30 | <p>Summary and Wrap-up</p> |