

Solar Storms: Disruptions to Technology & Risks to the Economy

Storms exploding off the surface of the sun can wreak havoc on technologies like satellites, phones, GPS, and electrical power grids. As society's dependence on these technologies grows, so does our vulnerability to changes on the Sun and in space. For example, GPS is present in almost all aspects of our economy and society and is critical to highway traffic management, aviation and maritime navigation, energy distribution, national security, emergency response, banking, etc. The worldwide GPS market is expected to total \$75 billion by 2013. Meanwhile, the Sun is approaching a heightened period of activity that will last for several years. Join us for this lunch briefing to learn about the state of the science, the potential effects of space weather on businesses and society, the timing of the coming "Solar Max" (the period of greatest solar activity), and the policy options that are available for alleviating negative impacts and building resilience.

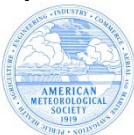
Wednesday, 22 June 2011
11:00AM – 12:30PM (box lunches available—RSVP)
Capitol Visitors Center – HVC 200

- Moderator:** *Jon Malay*, President, American Meteorological Society
Director, Civil Space and Environment, Lockheed Martin Corporation
- Opening Remarks:** *The Honorable Jared Polis*, (D-CO)
The Honorable Dr. Kathy Sullivan, Deputy Administrator, NOAA
Assistant Secretary of Commerce for Environmental Observation and Prediction
- Panelists:** *Joan Burkepille*, Scientist, High Altitude Observatory
National Center for Atmospheric Research
Captain Rocky Stone, Chief Technical Pilot, United Airlines
Ron Hatch, Director of Navigation Systems, NavCom Technology/John Deere
Elizabeth Zimmerman, Deputy Associate Administrator
Office of Response and Recovery, FEMA

For admission to the CVC (note 11:00 start) and the box lunch count, RSVP to Gloria Kelly at gloriak@ucar.edu or 303.497.2102 by 20 June

In cooperation with: Senate Science and Technology Caucus—Co-Chairs: Senators Lamar Alexander and Mark Udall and the Congressional Hazards Caucus—Co-Chairs: Senators Mary Landrieu, Lisa Murkowski, Ben Nelson and Representative Zoe Lofgren

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