

Space Physics Seminar

Thursday, November 13, 2014

Space Weather: Affecting Life and Technologies on Earth and in Space

3:00 pm

Refreshments
CAS Room 500

3:30 pm

Seminar
CAS Room 502

Louis J. Lanzerotti

*New Jersey Institute of Technology
Center for Solar-Terrestrial Research*

Abstract:

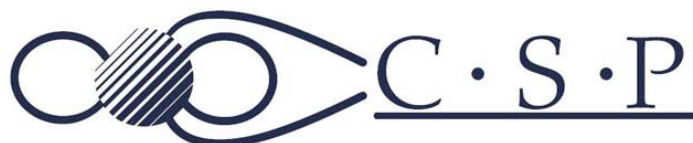
Revolutionary advances have occurred in electrical technologies over the last century and a half – from communications to navigation, to prospecting, and to the electrical grids spanning continents. Since the development of the electrical telegraph in the 1840s space weather processes have affected the design, implementation, and operation of many of these engineered systems, at first on Earth and now in space. As the complexity of such systems increase, and as humans have ventured beyond Earth's surface, both human-built systems and humans themselves become more susceptible to the effects of Earth's space environment – an environment driven by processes originating in the Sun.

Next Week

- Angelos Vourlidas
*Naval Research Laboratory
Applied Research Laboratory*
- The Inner Heliosphere in 3D: A Recap of the first 7 Years of the STEREO mission



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725 Commonwealth Avenue
Boston, MA 02215