

Department of Physics
The Catholic University of America



presents the 32nd

Karl Herzfeld Memorial Lecture

Karl F. Herzfeld, 1892-1978

Space Weather and its Effects on Technologies

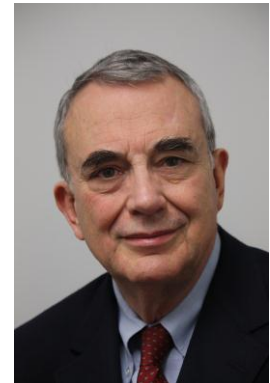
Dr. Louis J. Lanzerotti

New Jersey Institute of Technology, Newark, NJ

and

Lucent Technologies Bell Laboratories (retired)

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. As the complexity of such systems increase, including their interconnectedness and interoperability, they can become more susceptible to the effects of Earth's space environment – an environment driven by processes originating on the Sun.



Thursday, April 11, 2013 at 4:00 PM

in the Karl Herzfeld Auditorium of Hannan Hall - Room 108

Reception immediately following lecture

Parking and other information: (202) 319-5315 or <http://physics.cua.edu>