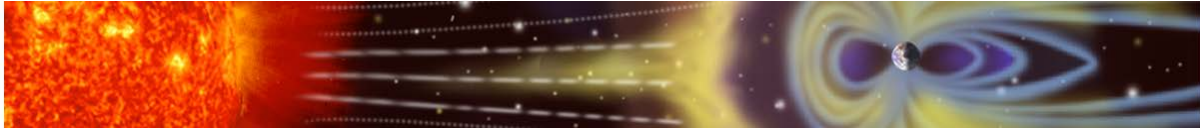


2016 SPACE WEATHER CENTER SEMINAR SERIES



Overview

The Space Weather Center (SWC) in the CUA's Physics Department launches a series of educational seminar talks focused on scientific, engineering, and sociological aspects of cutting-edge space weather research.

Space weather phenomena are driven by magnetic storms on the Sun and echoed in the near-Earth space environment. Severe space weather events present significant health risks to astronauts working in space, and may have a detrimental effect on satellite missions, navigation systems, communication networks, power grids, cross-polar air traffic, and many other modern human technologies.

The SWC seminars will provide an entertaining overview of this important research subject in a set of educational lectures delivered by leading experts from CUA and NASA. The seminars are open to all interested CUA students; faculty and staff are welcome.

Schedule of talks

October 25, 2016 (Tuesday):	AN INTRODUCTION TO SPACE WEATHER
November 01, 2016 (Tuesday):	THE SCIENCE OF SOLAR HURRICANES
November 16, 2016 (Wednesday):	FORECASTING EXTREME SPACE WEATHER
November 30, 2016: (Wednesday):	SPACE HAZARDS AND THE HUMAN SOCIETY

Location: Rm 106, Hannan Hall **Time:** 7:00pm

Practical experience

Students with sufficient backgrounds in physics and math will be offered a unique **hands-on experience with space weather forecasting tools** available at the SWC through its collaboration with the Community Coordinated Modelling Center at NASA Goddard Space Flight Center.

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