

Friday, September 23, 2016**4:10 – 5:00 PM****Barnard/EPS 103****What is Space Weather and Who Cares?
A perspective from the NOAA Space Weather Prediction Center****Dr. Rodney Viereck
Director, Space Weather Prediction Testbed
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Boulder Colorado**<http://www.swpc.noaa.gov/>http://www.testbeds.noaa.gov/events/2014/workshop/presentations/abstracts/1-Wed/Viereck_SWPT_Overview_Viereck_TestbedWorksho_2014_5.pdf**Abstract:**

Space weather refers to variability in the space environment that has the potential to impact technologies and people. As with terrestrial weather, there are different types of space weather and each type impacts a different set of customers and technologies. For electric power operators and airlines, the space weather impacts on their systems and their ability to do business can be severe. The rapidly expanding use of the GPS navigation system introduces a new set of potential customers to space weather services. There is a growing tourist industry for people who want to travel to polar regions to see the aurora. In this presentation, I will give an overview of the various types of space weather, how they are manifested, and who they impact. I will talk about the products and services that the NOAA Space Weather Prediction Center provides. And I will discuss the observations and models that support space weather forecasters when they prepare predictions of impending space weather events. This will help highlight the most pressing gaps in our knowledge and our observations and the types of research that could help bridge these gaps.

Hosts: Aki Takeda and Jiong Qiu***** Refreshments served in the EPS second floor atrium at 3:45 *****