



UNIVERSITY of  
**DENVER**  
PHYSICS AND ASTRONOMY

Presents

## Exploring the solar-stellar connection in the extreme parameter spaces of young Suns

Wednesday, March 8, 2017

4:00 PM

F.W. Olin Hall Room 105

2190 E. Iliff Avenue

**Refreshments at 3:45PM in the Olin Rotunda**

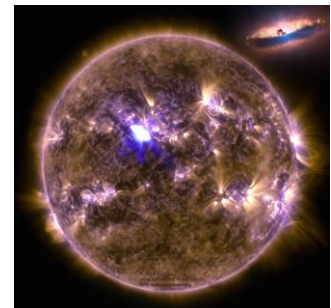


*Presented by*

**Dr. Alicia Aarnio**

*Hale Fellow of Solar and Space Physics*

**University of Colorado-Boulder**



Our nearest star provides exquisite, up-close views of the physical processes driving energetic phenomena we observe on stars and cannot yet spatially resolve. Stars provide a statistical ensemble of solar analogs spanning a range of ages representing snapshots along our Sun's full life cycle. In this talk, I will share a project bringing the astronomer's large scale statistical approach to bear on solar data. We aim to better understand the properties and evolution of magnetic activity on Sun-like stars, activity's effect on stellar evolution, and exoweather on planets about distant Suns. Likewise, I will discuss studies of activity on solar analogs and whether we denizens of 1 AU should be concerned about extreme solar flares and coronal mass ejections.

**HOST: Dr. Jennifer Hoffman, (303) 871-2268, [Jennifer.Hoffman@du.edu](mailto:Jennifer.Hoffman@du.edu)**