



## **HAO Colloquium Series**

(Refreshments served)

***Speaker:*** Peter Young, George Mason Univ/NRL

***Time:*** 1:30–2:30 pm

***Date:*** Wednesday, May 9, 2012

***Location:*** CG1-1210 South Auditorium

***Title:*** Flare spectroscopy with the Hinode/EIS instrument

### ***Abstract:***

The EUV Imaging Spectrometer (EIS) on board Hinode has been operating successfully for over five and a half years, and this talk will introduce the capabilities of the instrument and present new results and diagnostic techniques for solar flares. Solar EUV spectroscopy has a long history going back to the 1960s, and the experience gained over this period has enabled the EIS team to provide extensive documentation and software to the community to aid with data analysis. The results are reflected in over 300 publications from scientists based in 15 different countries. An overview of the challenges involved in making EIS spectroscopy more palatable to the wider solar community will be presented.