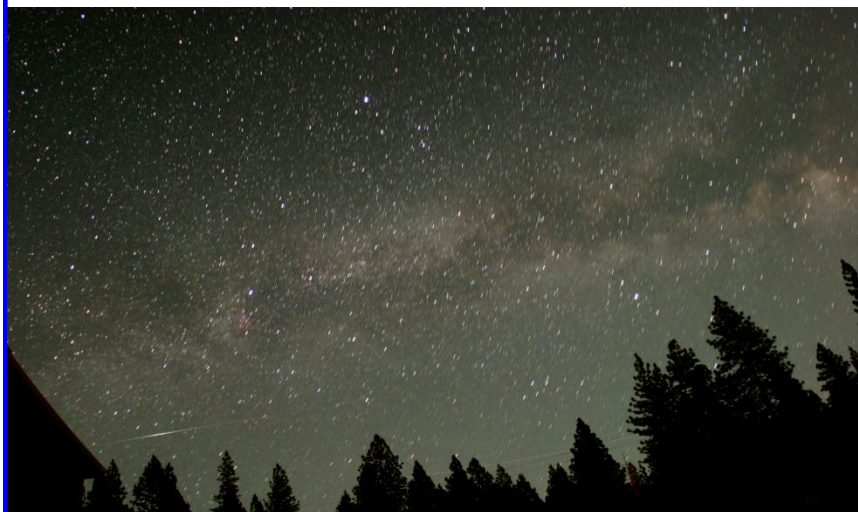




# COLLOQUIUM



**Dr. Fred Ringwald (Fresno State)**

## **Astrophysics Research at Fresno State's Station at Sierra Remote Observatories**

### **Abstract**

Fresno State has a remotely controlled station at Sierra Remote Observatories, near Shaver Lake. This superb dark site is at an altitude of 4,610 feet. My students and I operate station's telescope mainly from campus, 47 miles away, by remote control over the Internet. Science programs include observing the physics of the accretion disks in cataclysmic variable binary star systems, including the discovery of spiral waves and bending waves in several systems. We also have a program of observing flares in stars like the Sun, which we suspect are enhanced by the magnetic fields of hot Jupiter exoplanets.

**3-4 p.m., Friday, Sep. 16, 2011**

**McLane Hall 162**

**Refreshments will be served. All welcome!**