

AIAA Rocky Mountain Section Speakers Program

February 21 2008

GOES-R EXIS

Extreme Ultra Violet and X-Ray Irradiance Sensors

Francis G. Eparvier, Ph.D: EXIS Principal Investigator

University of Colorado Laboratory for Atmospheric and Space Physics

6:00 pm Thursday, 21 February 2008

6:00 pm Social, 6:30 pm Program

LASP LTSB Main Auditorium (CU Research Park)

1234 Innovation Drive

Boulder, Colorado 80303

This month's presentation will highlight the Extreme Ultra Violet and X-Ray Irradiance Sensors (EXIS) for the planned Geostationary Operational Environmental Satellites phase R (GOES-R) program set to launch in 2014. The solar sensors are being developed under a \$92 million NOAA contract at the University of Colorado Laboratory for Atmospheric and Space Physics (LASP). The LASP package will consist of an X-ray sensor to look at solar flares and an extreme UV sensor to monitor sunlight variation.

Frank is the principal investigator on the GOES-R EUVS and XRS Irradiance Sensors (EXIS) and currently the co-investigator on the Solar EUV Experiment (SEE) on the Thermosphere-Ionosphere-Mesosphere Energetics and Dynamics (TIMED) satellite mission (launched Dec. 2002) and co-investigator and project scientist on the EUV Variability Experiment (EVE) on the upcoming Solar Dynamics Observatory (SDO) satellite mission (to be launched in 2008). He is also involved with the LASP Solar Sounding Rocket program and conducting research into the effects of medium energy electron precipitation on the upper mesosphere and lower thermosphere. Frank has been a Research Scientist at LASP for over 10 years. Prior to this he held various positions as a scientist with CIRES, SEC, NCAR, SEL and the University of Colorado in Boulder. He holds a Ph.D in Astrophysical, Planetary, and Atmospheric Sciences from the University of Colorado in Boulder in 1991.

R.S.V.P Christopher Zeller by Tuesday, February 19 2008

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