

**The National Center for Atmospheric Research Announces  
a Summer Colloquium on**

**Space Weather**

(<http://www.asp.ucar.edu/colloquium/2005/>)

**31 May – 10 June, 2005**

**Boulder, Colorado**

**Hosted by the Advanced Study Program  
and the High Altitude Observatory**

Space weather describes the prevailing conditions in the coupled Sun-Earth system, including the solar wind, magnetosphere, ionosphere, and thermosphere. Space weather influences the performance and reliability of technological systems, both in space and on the ground. Storms in this environment cause disruptions to communications, navigation, satellite operations, and electric power grids. The effects can result in economic losses, and can even endanger human health.

This 8-day colloquium is designed for upper level graduate students. The program includes lectures by experts from universities and research institutions, a student poster session, a tour of the NOAA Space Environment Center, and interactive sessions designed for student teams to gain hands-on experience with space measurements. Participants will have ample opportunity to interact with the experts throughout the colloquium.

**ORGANIZATION:** The colloquium lectures will include two sets of tutorials and a series of topical presentations that detail specific space weather events and their effects. One tutorial series will provide quantitative perspectives on select physical processes that govern the Sun-Earth system. The second will characterize the Sun-Earth system domains. The program agenda, including a list of colloquium speakers, will be posted at <http://www.asp.ucar.edu/colloquium/2005/>. The Space Weather Colloquium is being organized by M. Hagan, S. Gibson, D. Marsh, and M. Wiltberger (all of NCAR), and T. Onsager (NOAA/SEC).

**PARTICIPANTS AND SUPPORT:** Support will be provided for selected graduate students in space physics and aeronomy, or any field related to Space Weather; recent recipients of a Ph.D. may also be supported. Sponsored participants will receive support for actual travel costs (not to exceed coach airfare), housing at the College Inn at the University of Colorado, bus transportation between the College Inn and the colloquium site, and a modest per diem. A limited number of unsponsored students may also be selected as space allows. Unsponsored students must make their own arrangements for transportation and housing costs. The planning office will help with housing and reservations at the College Inn, if desired.

**APPLICANTS SHOULD PROVIDE:** 1) A letter describing your interest in the colloquium topic and how it relates to your research interests. 2) Your poster presentation title and abstract. 3) A statement indicating if financial support is requested. 4) Transcripts (unofficial acceptable) for graduate courses, dates and institutions for receipt of degrees, name of research advisor and dissertation abstract or topical outline. 5) Two letters of recommendation, including one from your thesis advisor, sent directly to the NCAR e-mail address listed below.

**Applications and recommendations must be received by March 31, 2005. Selected participants will be notified by April 18, 2005.**

**PLEASE SEND APPLICATIONS AND SUPPORTING MATERIALS AS E-MAIL ATTACHMENTS TO:**

[asp-apply@asp.ucar.edu](mailto:asp-apply@asp.ucar.edu) with the subject "colloquium"



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