CEDAR SMALL SATELLITE WORKSHOP AGENDA

:::::::::::::::::::::::::::::: SESSION I ::::::::::::::::::::::::::::::
9:30 AM - 11:30 AM

Past and current missions
Systems engineering and spacecraft operations
NSF perspective

CHAIR: David Klumpar

9:30 - 9:45	Bob Robinson (NSF) **Report on NSF Small Satellites Workshop May 15-17, 2007**
9:45 - 10:00	Gary Swenson (UIUC)
10:00 - 10:15	Chad Fish (Utah State Univ.)
10:15 - 10:30	Hank Voss (Taylor Univ.)
10:30 - 10:45	Jordi Puig-Suari (CalPoly)
10:40 - 11:00	Kalia Glassey (SRI)
11:00 - 11:15	Charles Swenson (Utah State Univ.)
11:15 - 12:00	Rich Behnke (NSF) **NSF Space Vision**

:::::::::::::::::::::::::: LUNCH SESSION ::::::::::::::::::::::::::
11:30 AM - 1:00 PM

CEDAR mission concepts
Sensor and payload design

CHAIR: Charles Swenson

11:45 - 12:00	Dave Klumpar (Montana State Univ.)
12:00 - 12:15	Farzad Kamalabadi (UIUC)
12:15 - 12:30	Paul Berhnardt (NRL)
12:30 - 12:45	Fred Roesler (Univ. of Wisconsin)
12:45 - 1:00	Geoff McHarg (US Air Force Academy)

:::::::::::::::::::::::::::: SESSION II ::::::::::::::::::::::::::::
1:00 PM - 3:00 PM

Educational opportunities with small satellites

CHAIR: Gary Swenson

1:00 - 1:15 Bob Twiggs (Stanford Univ.)

1:15 - 1:30 Scott Palo (Univ. of Colorado)

1:30 - 1:45 Purvesh Thakkar (UIUC **student**)

1:45 - 2:00 Laura Brower (Univ. of Colorado **student**)

2:00 - 3:00 **PANEL DISCUSSION**

Themes:

(1) Identify upper atmospheric research opportunities which both benefit from satellite-based measurements as well as lend themselves to the limited resources (size, power, and budget) of small satellite mission design.

(2) Recommend guidelines regarding:
> Efficient telemetry: compression, transmission, and reception
> Power-efficient design
> Testable sensor components
> Attitude control system design (pointing accuracy and knowledge accuracy)