



**Tuesday, April 30, 2013 - Hameetman Auditorium - Cahill Building**

**Short Course**

Time	Event	Speaker
7:45 - 8:15	Coffee and refreshments	
8:15 - 8:30	Introduction and Orientation	Michele Judd
<b>Airships: Background</b>		
8:30 - 8:40	Introduction of Airship Program	Sarah Miller
8:40 - 8:55	Timeliness of Science on Airships	Rob Fesen
8:55 - 9:20	Complementarity/Comparisons of Airships to Other Science Platforms	Jens Kauffmann
9:20 - 9:45	Atmospheric Considerations and Advantages	Steve Lord
9:45 - 10:15	Break	
<b>Introducing Key Science Opportunities from Airships (Wish-lists)</b>		
10:15 - 11:00	in Earth Sensing and Atmospheric Science	Randy Freidl/ Riley Duren
11:00 - 11:45	in Planetary and Small Bodies Science	Geoff Blake/Amy Mainzer
11:45 - 12:30	in Astrophysics	Mike Werner Paul Goldsmith
12:30 - 2:00	Lunch Poster Session	

**Tuesday, April 30, 2013 - Keith Spalding - Room 300**

**Start of Workshop**

2:00 - 2:30	Walk from Cahill to Keith Spalding - Coffee and refreshments	
<b>Introduce Keck Institute, Workshop, and Study Goals</b>		
2:30 - 3:10	Study Logistics, Intro to Keck Institute	
3:10 - 3:30	Participant Introductions (30 seconds each)	ALL
3:30 - 5:00	Workshop and Study Goals with Discussion	ALL
5:00 - 5:30	Walk from Keith Spalding to Athenaeum	
5:30	Reception and Dinner	

**Wednesday, May 1, 2013 - Keith Spalding - Room 300**

Time	Event	Speaker
8:00 - 8:30	Coffee and refreshments	
8:30 - 8:40	Announcements	Michele Judd
<b>Introducing the Latest Airship Technology</b>		
8:40 - 9:20	from Southwest Research Institute	Steve Smith
9:20 - 10:00	from Near Space Corporation	Tim Lachenmeier
10:00 - 10:30	Break	
10:30 - 11:15	from Northrop Grumman	Scott Hoffman/Alan Ram
11:15 - 12:00	from Lockheed Martin	Stavros Androulakis Scott Hovarter
12:00 - 12:30	Question and Answer Session	ALL
12:30 - 2:00	Lunch	
<b>Brainstorming Session I: Compatibilities and Evaluation Strategy</b>		
2:00 - 2:20	Introduce goals for Session I	Co-Leads
2:20 - 3:30	Compatibility: First pass matching science goals with vehicles/platforms	
3:30 - 4:00	Break	
4:00 - 5:30	Evaluation: Identify key requirements and also measures to evaluate science-platform concepts, e.g. performance metrics, cost envelopes. Refine matching science goals with vehicles/platforms if needed.	ALL
6:00	Dinner	

### Thursday, May 2, 2013 - Keith Spalding - Room 300

Time	Event	Speaker
8:00 - 8:30	Coffee and refreshments	
8:30 - 8:40	Announcements	Michele Judd
<b>Brainstorming Session II: Implementation Considerations and Potential Strategies</b>		
8:40 - 9:00	Sum-up Session I and Introduce goals for Session II	Co-Leads
9:00 - 10:30	Implementation Considerations: Discuss options for management/maintenance	
10:30 - 11:00	Break	
11:00 - 11:20	Potential Funding Strategies: NASA STP Flight Ops Programs	Ross Jones
11:20 - 12:20	Discuss appropriate strategies for funding multi-science airship platform, including discussion of near-term follow-on small-scale challenge	
12:20 - 12:30	Summarize Session II	Co-Leads
12:30 - 2:00	Lunch	
<b>Brainstorming Session III: Sub-team formation</b>		
2:00 - 2:15	Introduce Goals for Session II	Co-Leads
2:15 - 3:30	Attempt to formalize sub-teams of scientists and airships specialists (brainstorming discussion drawing on Session I & II outcomes)	
3:30 - 4:00	Break	
4:00 - 4:45	Goals finalized for sub-team meetings outcomes (discussion)	
4:45 - 5:00	Define Sub-teams	
5:00 - 5:30	Walk from Keith Spalding to Athenaeum	
5:30 - 7:30	Dinner	
7:30 - 8:00	Walk from Athenaeum to Cahill Building	
8:00 - 9:30	Public Lecture by Robert Fesen: "Airships: A New Horizon for Science" Hameetman Auditorium, Cahill Building	

### Friday, May 3, 2013 - Keith Spalding - Room 300

Time	Event	Speaker
8:00 - 8:30	Coffee and refreshments	
8:30 - 8:40	Announcements	Michele Judd
<b>Securing Consensus, Concluding First Workshop and Preparing for Sub-team Sessions</b>		
8:40 - 9:30	Overview of Outcomes from Session I, II, and III	Co-Leads
9:30 - 10:30	Sub-team decision discussion consensus (vote/discussion)	
10:30 - 11:00	Break	
11:00 - 12:00	Final combined session, concluding presentation	Michele Judd/Co-Leads
12:00 - 1:30	Lunch on your own	
<b>Initial Sub-team meeting</b>		
1:30 - 5:00	Sub-teams meet to discuss preparations necessary for sub-teams meetings, including need for non-disclosure agreements, and schedule use of Keck Institute facilities.	