

## **AGENDA**

---

### **Tuesday, November 5, 2002**

6:00 – 8:00 p.m.                      Registration and Reception

### **Wednesday, November 6, 2002**

7:30 – 9:00 a.m.                      Steering Committee Breakfast

8:30 – 9:00 a.m.                      Breakfast  
Registration Continued

9:30 – 9:40 a.m.                      Opening Remarks/Forum Directions/Introductions  
Attrice Hunt, Lunar and Planetary Institute

9:40 – 10:00 a.m.                      Speaker Presentation  
Mike Duke, Lunar and Planetary Institute

10:00 – 10:30 a.m.                      Pat Troutman  
NASA Langley Research Center,  
Revolutionary Aerospace Systems Concepts (RASC) Management Team

### **UNIVERSITY PRESENTATIONS**

10:30 – 11:20 a.m.                      University of California at Berkeley — *“Novel Method of Cutting Removal From Holes  
During Percussive Drilling Mars”*  
Faculty Advisor: George Cooper

11:20 a.m. – 12:10 p.m.                      University of Maryland — *“The Endurance Project: Learning to Live and Work on the Moon”*  
Faculty Advisor: Mary Bowden

12:10 – 1:30 p.m.                      Lunch

1:30 – 2:20 p.m.                      Pennsylvania State University — *“A Modular Multi-Function Rover and Control System for EVA”*  
Faculty Advisor: Michael W. Jacobs

2:20 – 3:10 p.m.                      Howard University — *“Hematopoietic Stem Cell Therapy for Exploration of Space”*  
Faculty Advisor: Seigo Ohi

3:10 – 3:30 p.m.                      Break

3:30 – 4:20 p.m.                      Colorado School of Mines — *“Martian Weather Station”*  
Faculty Advisor: Barbara McKinney

5:30 – 7:30 p.m.                      Poster Session

**Thursday, November 7, 2002**

**UNIVERSITY PRESENTATIONS**

7:30 – 8:30 a.m.	Breakfast
8:30 – 8:45 a.m.	Forum Directions and Opening Remarks
8:45 – 9:35 a.m.	Princeton University — <i>“Integrated Robotic Team for Collection of Martian Water Ice”</i> Faculty Advisor: Daniel M. Nosenchuk
9:35 – 10:25 a.m.	Georgia Institute of Technology — <i>“Bifrost: A Large-Scale Solution to Low-Cost Space Access”</i> Faculty Advisor: John Olds
10:25 – 10:40 a.m.	Break
10:40 – 11:30 a.m.	Embry Riddle Aeronautical University — <i>“Plasma Accelerated Reusable Transport System (P.A.R.T.S.)”</i> Faculty Advisor: Mahmut Reyhanoglu
11:30 a.m. – 12:00 p.m.	Josip Loncaric, Universities Space Research Association <i>“Beowulf Clusters in Aerospace Research”</i>
12:00 – 1:30 p.m.	Lunch
1:30 – 2:20 p.m.	University of Washington — <i>“Self Sustained Closed Ecological Systems”</i> Faculty Advisor: Frieda Taub
2:20 – 3:10 p.m.	University of California, Berkeley — <i>“Exobiology: The Survival Ability of Halophiles Under Martian Conditions”</i> Faculty Advisor: David Gan
4:30 – 5:00 p.m.	Speaker Presentation Jeff Cardenas Overview of NASA Institute for Advanced Concepts – NIAC
3:10 – 3:30 p.m.	Break
3:30 – 4:30 p.m.	Panel Discussion, Q & A, RASC-AL Steering Committee
4:30 – 6:00 p.m.	Judges Review

**Friday, November 8, 2002**

**FIELD TRIP**

7:30 – 8:00 a.m.	Breakfast
8:00 a.m. – 12:00 p.m.	Field Trip
12:00 – 1:00 p.m.	Lunch and Travel back to Hotel
1:00 – 2:00 p.m.	Awards and Forum Wrap Up