



**Sunday, September 11, 2011 at The Athenaeum**

**Caltech Space Challenge**

Time	Event	Speakers
5:00 - 8:00	Welcome Dinner and Orientation	Keck Institute and Caltech Welcomes, and Prakhar Mehrotra and Jon Mihaly

**Monday, September 12, 2011 at Lees-Kubota Lecture Hall, Guggenheim 101  
(Unless Specified Otherwise)**

Time	Event	Speakers
7:30 - 8:00	Coffee and refreshments - Guggenheim Atrium	
8:00 - 9:00	"Why Go to a Near Earth Object (NEO)?"	Don Yeomans
9:00 - 12:00	Explorer Teamwork Session - Guggenheim 202   Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
12:00 - 1:00	Lunch (Workshop Participants only)- Guggenheim Lawn	
1:00 - 2:00	"Near-Earth Objects: Targets For Future Human Exploration, Solar System Science, and Planetary Defense"	Paul Abell
2:00 - 2:15	"ISECG and NEA Scenarios – A Student's Perspective"	Pascal Renten
2:15 - 2:30	Coffee and refreshments - Guggenheim Atrium	
2:30 - 5:00	Explorer Teamwork Session - Guggenheim 202   Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
5:00-6:00	"Building Blocks for Sending Humans to a NEO"	John Baker
6:00 - 8:00	KISS Welcome Dinner at the Athenaeum (Workshop Participants only)	

**Tuesday, September 13, 2011 at Lees-Kubota Lecture Hall, Guggenheim 101**  
 (Unless Specified Otherwise)

Time	Event		Speaker
7:30 - 8:00	Coffee and refreshments - Guggenheim Atrium		
8:00 - 9:00	"Architectures for Human Exploration of Near Earth Asteroids"		Bret Drake - Teleconference
9:00 - 11:00	Explorer Teamwork Session - Guggenheim 202	Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
11:00 - 12:00	"Trajectory Design and Optimization for Human Exploration of Near Earth Objects"		Damon Landau
12:00 - 1:00	Lunch (Workshop Participants only) - Guggenheim Lawn		
1:15 - 1:45	Welcome to Students		Charles Elachi
1:45 - 2:00	Coffee and refreshments - Guggenheim Atrium		
2:00 - 3:00	"Radiation Risks and Challenges Associated With a Human Mission to an Asteroid"		Ron Turner
3:00 - 5:00	Explorer Teamwork Session - Guggenheim 202	Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
5:00 - 6:00	Mentor Session - Guggenheim 202	Mentor Session - Thomas 306	Mentors with Explorer and Voyager Groups
6:00 - 8:00	Dinner at the Athenaeum (Workshop Participants only)		

**Wednesday, September 14, 2011 at Lees-Kubota Lecture Hall, Guggenheim 101**  
 (Unless Specified Otherwise)

Time	Event		Speaker
7:30 - 8:00	Coffee and refreshments - Guggenheim Atrium		
8:00-8:30	Morning check-in, questions from teams		Prakhar Mehrotra and Jon Mihaly
8:30 - 11:00	Explorer Teamwork Session - Guggenheim 202	Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
11:00-12:00	"Surveys for NEO Exploration"		Andrew Cheng
12:00 - 1:00	Lunch (Workshop Participants only) - Guggenheim Lawn		
1:00 - 2:00	"Keeping Asteroid Missions Simple: The Plymouth Rock Concept"		Josh Hopkins
2:00 - 2:30	Coffee and refreshments - Guggenheim Atrium with Dr. Josh Hopkins & Dr. Andrew Cheng		
2:30 - 5:00	Explorer Teamwork Session - Guggenheim 202	Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
5:00 - 6:00	30 minute mid-week Progress Presentations - Lees-Kubota Auditorium (Guggenheim)		Explorer and Voyager Groups
6:00 - 8:00	Dinner at the Athenaeum (Workshop Participants only)		

**Thursday, September 15, 2011 at Lees-Kubota Lecture Hall, Guggenheim 101**  
 (Unless Specified Otherwise)

Time	Event		Speaker
7:30 - 8:00	Coffee and refreshments - Guggenheim Atrium		
8:00-8:30	Morning check-in, questions from teams		Prakhar Mehrotra and Jon Mihaly
8:30 - 11:00	Explorer Teamwork Session - Guggenheim 202	Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
11:00-12:00	"Advanced Challenges in Hayabusa Asteroid Sample Return Mission"		Takashi Kubota
12:00 - 1:00	Lunch (Workshop Participants only) - Guggenheim Lawn		
1:00 - 4:00	Explorer Teamwork Session - Guggenheim 202	Voyager Teamwork Session - Thomas 306	Explorer and Voyager Groups
4:00 - 5:00	"The Making of Rosetta: From the Dream of a Comet- Nucleus Sample-Return Mission to a Comet Orbiter and Lander Mission"		Gerhard Schwehm
5:00 - 6:00	Mentor Session - Guggenheim 202	Mentor Session - Thomas 306	Mentors with Explorer and Voyager Groups
6:00 - 8:00	Dinner at the Athenaeum (Workshop Participants only)		

**Friday, September 16, 2011 at Lees-Kubota Lecture Hall, Guggenheim 101**  
 (Unless Specified Otherwise)

Time	Event		Speaker
7:30 - 8:00	Coffee and refreshments - Guggenheim Atrium		
8:00-8:30	Morning check-in, questions from teams		Prakhar Mehrotra and Jon Mihaly
8:30 - 12:00	Explorer Final Report and Presentation Preparation - Guggenheim 202	Voyager Final Report and Presentation Preparation - Thomas 306	Explorer and Voyager Groups
12:00 - 2:00	Lunch (Workshop Participants only) - Guggenheim Lawn		
2:00 - 4:00	Final 60-Minute Presentations - Lees Kubota Auditorium (Guggenheim)		Explorer and Voyager Groups
4:00 - 5:00	Judges Deliberation - Northrup Reading Room (Guggenheim 203)		Judges
5:00 - 7:30	Closing Banquet and Awards Ceremony - Athenaeum		