



In Situ Science and Instrumentation for Primitive Bodies Workshop
April 30 - May 3, 2012
Overview Schedule

Monday, April 30, 2012 - Salvatori Seminar Room - 365 S. Mudd - 3rd Floor

Time	Short Course - Primitive Bodies: Unlocking the Secrets of Solar System Origins	Speaker
8:00 - 8:30	Coffee and refreshments	
8:30 - 9:00	Introduction	
9:00 - 9:40	New Dynamics of Solar System Formation and Migration	Hal Levison
9:40 - 10:20	Missions to Primitive Bodies: Past, Present, and Future	Torrence Johnson
10:20 - 10:40	Break	
10:40 - 11:20	Surface Geology and Geologic Processes on primitive bodies	Jim Bell
11:20 - 12:00	Current State of Knowledge about Origins from Remote, In Situ and Return Sample Exploration	Julie Castillo-Rogez
12:00 - 12:45	On site, informal pizza lunch provided by KISS for all short course attendees	
Time	Workshop	Speaker
12:45 - 1:15	Workshop participants walk to Keck Institute and check in at Keith Spalding Bldg. 3rd Floor Rm 367	
1:15 - 1:45	Introduction to the Institute and to KISS	Michele Judd/TBD
1:45 - 2:15	Participant introductions and Goal Setting	All
2:15 - 3:45	Ground-based & LEO / Remote Observations Primer	Mike Brown/ Scott Murchie
3:45 - 4:15	Break	
4:15 - 5:45	On Surface Measurements Primer	Jordana Blacksberg/ Chris Webster
5:45 - 6:00	Walk to Athenaeum	
6:00 - 9:00	KISS Dinner at the Athenaeum's Rathskeller	

Tuesday, May 1, 2012 - Keith Spalding Building - Third Floor

Time	Event	Speaker
8:30 - 9:00	Coffee and refreshments	
9:00 - 9:30	Goal Setting	All
9:30 - 10:30	Geochemical tracers of origins	John Eiler
10:30 - 11:00	Break	
11:00 - 11:45	D/H and Volatiles	Geoff Blake
11:45 - 12:15	Mineralogy	George Rossman
12:15 - 1:45	Buffet lunch at the Athenaeum provided by KISS	
1:45 - 2:00	Breakout Assignment	
2:00 - 4:00	Breakout by discipline: Each group identifies what are the most important measurements in their particular field that link to Origins	
	Group 1: Geochemistry & Cosmochemistry	Group 2: Dynamics
		Group 3: Geology / Geophysics
	All	
4:00 - 4:30	Break	
4:30 - 5:30	Reconvene and report	
6:00 - 8:00	No Host Dinner in Pasadena (KISS to pay for all postdocs and graduate students)	



Wednesday, May 2, 2012 - Keith Spalding Building - Third Floor

Time	Event			Speaker
8:30 - 9:00	Coffee and refreshments			
9:00 - 9:30	Goal Setting			
9:30 - 10:30	Small Bodies Fair (Roundtable)			
10:30 - 11:00	Break			
11:00 - 12:00	Small Bodies Fair (Roundtable) Cont.			
12:00 - 1:30	Lunch on your own			
1:30 - 1:45	Goals for breakout groups			
1:45 - 3:30	Breakout Groups			
	Group 1: Prioritize target bodies	Group 2: Come up with a set of Remote measurements and link to target bodies	Group 3: Come up with a set of in situ measurements and link to target bodies	All
3:30 - 4:00	Break			
4:00 - 5:00	Reconvene and report			
5:00 - 6:00	Late afternoon Poster Session			Postdocs & Graduate Students
6:00 - 8:00	Dinner at The Athenaeum (spouses/guest invited)			
	PUBLIC LECTURE			Speaker
8:00 - 9:30	Public Lecture - Hameetman Auditorium: Exploring Protoplanets Through the Dawn Mission			Carol Raymond

Thursday, May 3, 2012 - Keith Spalding Building - Third Floor

Time	Event			Speaker
8:30 - 9:00	Coffee and refreshments			
9:00 - 9:30	Goal Setting			
9:30 - 10:30	NASA Small Bodies Exploration Roadmap			John Dankanich
10:30 - 11:00	Break			
11:00 - 12:00	Pushing the boundaries of our current knowledge: Comet Exploration through Rosetta			Andy Morse (lander) Sam Gulkis (orbiter)
12:00 - 1:30	Buffet lunch at the Athenaeum provided by KISS			
1:30 - 3:30	Free discussion on the next important steps (to do during the study period)			
3:30 - 4:00	Break			
4:00 - 4:30	Closing summary & plan for moving forward			All
4:30	End of Workshop			