



xTerramechanics - Integrated Simulation of Planetary Surface Missions 2

August 1-3, 2011

Overview Schedule

Monday, August 1, 2011

Workshop: KISS Seminar Room 621, Millikan 6th Floor

Time	Event	Speaker
8:30 - 9:00	Coffee and refreshments	
9:00 - 9:45	Welcome and Intros	K. Iagnemma and J. Andrade
9:45 - 10:30	Recap/Summary of Workshop 1 and Study Period	
10:30 - 11:00	Break	
11:00 - 12:15	Goals for Workshop 2 - Outline of our three-pronged modeling plan, with crossfunctional interaction - Three canonical cases: Rover Mobility, Sample Transfer, Smallbody Sample Acquisition	R. Lindemann and B. Trease
12:15 - 1:45	Buffet lunch at the Athenaeum provided by KISS	
2:00 - 2:30	Talk 1: Terramechanics	J.Y. Wong
2:30 - 3:30	Open Discussion	ALL
3:30 - 4:00	Break	
4:00 - 4:30	Talk 2: Luna-mechanics	Stein Sture
4:30 - 5:15	Open Discussion	ALL
6:00 - 8:00	KISS Welcome Dinner at the Athenaeum	

Tuesday, August 2, 2011

Time	Event	Speaker
8:30 - 9:00	Coffee and refreshments	
9:00 - 10:30	Talk 1: Full-field Granular Physics Approach Followed by Discussion	B. Trease (proxy for R. Mukherjee)
10:30 - 11:00	Break	
11:00 - 12:15	Talk 2: Full-multi-scale Physics Approach Followed by discussion	J. Bellan
12:15 - 1:45	Buffet lunch at the Athenaeum provided by KISS	
2:00 - 3:30	Talk 3: Engineering Physics Approach Followed by discussion	J. Andrade
3:30 - 4:00	Break	
4:00 - 5:15	Activity: For the previous 3 talks, debate and formally list: •Strengths, Applications •Challenges -What needs attention first? Most?	ALL
6:00 - 8:00	Group Dinner at the Athenaeum	



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Overview Schedule

Wednesday, August 3, 2011

Time	Event	Speaker
8:30 - 9:00	Coffee and refreshments	
9:00 -9:45	Talk 1: Revolution, not evolution! Enabling radical mission design	Randy Lindemann
9:45 - 10:30	Talk 2: John Peters, Army ERDC Future Capabilities and Needs	John Peters
10:30 - 11:00	Break	
11:00 - 12:15	Activity: Small-group Brainstorming	ALL
12:15 - 1:45	Buffet lunch at the Athenaeum provided by KISS	
2:00 - 3:30	Concluding Discussion	ALL
3:30 - 4:00	Break	
4:00 - 5:15	Concluding Discussion / Future Planning	ALL