

Third International Conference on the Exploration of Phobos and Deimos					
<i>The Science, Robotic Reconnaissance, and Human Exploration of the Two Moons of Mars</i>					
Monday 18 July 2016					
AM	8:30		Introduction - Meeting Logistics (Greg Schmidt & Pascal Lee)		5 min
	8:35		Welcome Remarks - Eugene L. Tu (NASA ARC Director)		5 min
	8:40	12:00	SCIENCE SESSION (I) (Chairs: Erik Asphaug & Pascal Rosenblatt)		
	8:40		Invited Talk - Pascal Rosenblatt - The Origin of Phobos and Deimos: An Overview		20 min
	9:00		Julien Salmon - Formation of Phobos and Deimos via a Giant Impact on Mars		15 min
	9:15		Erik Asphaug - Phobos: Weak and Creaky?		15 min
	9:30		William Bottke - Exploring the Cratering History of Phobos and Deimos		15 min
	10:00		Break		15 min
	10:15		Kenneth Ramsley - The Stickney Crater Ejecta Secondary Impact Crater Spike on Phobos: Implications for the Age of Stickney a		15 min
	10:30		William Farrell - The Space Environment in Stickney Crater: A DREAM2 Intramural Study of the Space Weather and Associated S		15 min
	10:45		Daniel Scheeres - The Dynamical Environment on and about Phobos		15 min
	11:00		Dana Hurley - Simulations of Impact Gardening on Phobos		15 min
	11:15		Break		15 min
	11:30	12:00	Discussion (Moderated by Session Chairs)		30 min
PM	12:00	1:00	Lunch (On Site - No Host)		1 hr
	1:00	1:25	Keynote - James Green (Planetary Science Division Director, NASA HQ)		25 min
	1:30	4:30	ROBOTIC RECONNAISSANCE SESSION (Chairs: Amanda Hendrix + Butler Hine)		
	1:30		Amanda Hendrix - The Ultraviolet Signatures of Phobos and Deimos from Mariner 9 UVS		15 min
	1:45		Invited Talk - Konrad Willner - Phobos and Deimos as Seen by HRSC on Mars EXPRESS		15 min
	2:00		Invited Talk - Michael Chaffin - MAVEN Observations of the Mid- and Far-Ultraviolet Reflectance Spectrum of Phobos		15 min
	2:15		Invited Talk - Masaki Fujimoto - JAXA's Martian Moons Exploration (MMX) Mission		45 min
	2:45		Break		15 min
	3:00		Invited Talk - Detlef Koschny - Phobos Sample Return: A Study for a Joint Russia-ESA Mission to the Moons of Mars		45 min
	3:30		Alistair Wayman - Phobos Sample Return: Mission and Spacecraft Design		
	3:45		Konrad Willner - Nanoscale Landers and Instrument Carriers for the Martian Moons: Concepts & Technology Options		
	4:00		Discussion (Moderated by Session Chairs)		30 min
	4:30		Session End		
	6:00	8:00	Collation at Don Giovanni's (235 Castro St, Mountain View, CA - No Host)		
Tuesday 19 July 2016					
AM	8:30	9:50	SCIENCE SESSION (II) (Chairs: Mihaly Horanyi + Maurizio Pajola)		
	8:30		Maurizio Pajola - Phobos Grooves: The Stereographic Perspective		15 min
	8:45		Terry Hurford - Tidal Activity on Phobos		15 min
	9:00		Mihaly Horanyi - Dust Transport between the Martian Moons Phobos and Deimos		
	9:15		Micah Schaible - Solar wind sputtering of small bodies: surface ion fluxes near Phobos and Deimos		15 min
	9:30		Andrew Poppe - The Neutral and Ionized Torus of Phobos: Implications for Spacecraft Observations		15 min
	9:45		Discussion (Moderated by Session Chairs)		20 min
	10:00		Break		
	10:10	12:20	HUMAN EXPLORATION SESSION (Chair: S. Hoffman)		
	10:10		Invited Talk - Michael Gernhardt - Human Exploration of Phobos and Deimos		40 min
	10:45		Ariel Deutsch - Science Exploration Architecture for Phobos and Deimos: Are the Moons of Mars in the Critical Pathway of Huma		15 min
	11:00		Michael Wright - Mars Surface Operations Via Low-Latency Telerobotics from Phobos		
	11:15		Break		
	11:30		Pablo Sobron - Ultra-Compact LIBS Sensor for Phobos & Deimos Resource Exploration		15 min
	11:45		Timothy Stubbs - Illumination Conditions at Phobos		15 min
	12:00		Discussion (Moderated by Session Chair)		25 min
PM	12:20	1:00	Lunch (On Site - No Host)		1 hr
	1:00	1:20	Mars Institute "Asaph Hall Best Student Paper Award" Talk		20 min
			Tushar Mittal - A Future Martian Ring System? Testing the Fate of Phobos with Sample Return		
	1:30	2:45	POSTER SESSION		
	3:00	4:30	SYNTHESIS & RECOMMENDATIONS FOR NEXT STEPS		
	3:00		Phobos/Deimos Strategic Knowledge Gaps (SKGs) Presented by the Phobos/Deimos SKG Team		30 min
	3:30		Discussion (Moderated by Pascal Lee & Greg Schmidt)		1 hr
	4:30		Meeting Adjourns		