Solar System Exploration @50

Planned Program

Thursday - October 25, 2012

Keynote Speech – Peter Westwick (University of Southern California): *Exploring the Solar System: Who has done it, how, and why?*

Panel #1: Politics and Policy in the Conduct of Solar System Exploration

Panel Chair: Marcia Smith (Space and Technology Policy Group)

Dwayne Day (National Research Council): *The National Research Council's Role in the American Planetary Exploration Program.*

Roger Handberg (University of Central Florida): *The Politics of Pure Space Science, the Essential Tension, Human Spaceflight's Impact on Scientific Exploration*

Jason W. Callahan (The Tauri Group): *Funding Planetary Science: History and Political Economy*

John M. Logsdon (George Washington University) and Andre Bormanis (Independent Writer/Producer): *The Survival Crisis of The Planetary Program*

Lunch Keynote Speaker - James L. Green (NASA): *NASA's Solar System Exploration Paradigm: The First Fifty Years and a Look at the Next Fifty*

Panel #2: The Lure of the Red Planet

Panel Chair: Janet Vertesi (Princeton University)

Richard W. Zurek (JPL): *Mars After 50 Years Of Space Exploration: Then, Now, and Beyond*

David Grinspoon (Denver Museum of Nature & Science): *Evolving Concepts Of Planetary Habitability In The Age Of Planetary Exploration*

Erik M. Conway (JPL): *Dreaming Of Mars Sample Return, From Viking To The Mars Science Laboratory*

W. Henry Lambright (Syracuse University): *NASA, Big Science, And Mars Exploration: Critical Decisions From Goldin To Bolden*

Panel #3: Public Perceptions, Priorities, and Solar System Exploration

Panel Chair: Heidi Hammel (Space Science Institute)

Linda Billings (George Washington University): *Survivor(?): The Story Of s. Mitis On The Moon*

William R. Macauley (Freie Universität Berlin): *'Instant Science': Space Probes, Planetary Exploration And Televisual Media*

Laura Delgado López (Institute for Global Environmental Strategies): *Killer Asteroids: Popular Depictions and Public Policy Influence*

Giny Cheong (George Mason University): *Voyager: Exploring Through the Public Eye*

Friday - October 26, 2012

Keynote Speech - Wesley T. Huntress, Jr. (NASA Advisory Committee) and Mikhail Marov (Keldysh Institute): *First On The Moon, Venus And Mars: The Soviet Planetary Exploration Enterprise*

Panel 4: Exploring the Outer Solar System

Panel Chair: Ralph McNutt (Applied Physics Laboratory) [invited]

Torrence V. Johnson (JPL): *Outer Solar System Exploration: An Archetype Of The Scientific Method*

Fernando Peralta (JPL): *The Voyagers – Managing Aging Spacecraft During Their Interstellar Mission*

Arturo Russo (University of Palermo): *Europe's Rendezvous With Titan" The European Space Agency's Contribution in The Cassini-Huygens Mission To The Saturnian System*

Robert Pappalardo (JPL): *Revealing Europa's Ocean*

Panel #5: Institutional Arrangements in Solar System Exploration

Panel Chair: Joan Johnson-Freese (U.S. Naval War College)

J.D. Burke (JPL): *Foundations Of Solar System Exploration At JPL: How The First Mariners And Rangers Built Them*

John Sarkissian (CSIRO): *Mariner 2 And The CSIRO Parkes Radio Telescope: Fifty Years Of International Collaboration*.

Michael Neufeld (National Air and Space Museum): *Transforming Solar System Exploration: The Applied Physics Laboratory and the Origins of the Discovery Program, 1989-1993*

Petar Markovski (University of Oklahoma): *International Cooperation In Solar System Exploration: The Cases Of Ulysses And Giotto*

Panel #6: Roundtable – From the Past to the Future

Moderator: Andrew Chaikin (Independent Space Historian)

Glenn E. Bugos (Ames Research Center): *Precursor Missions: The Science Of What Comes Next*

Amy Paige Kaminski (NASA): *Faster, Better, Cheaper: A Sociotechnical Perspective On The Meanings Of Success And Failure In NASA's Solar System Exploration Program*

G. Scott Hubbard (Stanford University): *Exploring Mars: Following the Water*

Chas Beichman (Caltech): *The search for and study of extra-solar planets: Extending planetary science into the realm of classical astronomy*