



Space Exploration and Human Imagination: Space Futures
International Conference Center
Rice University's Baker Institute for Public Policy
April 11-12, 2013

Thursday, April 11

8:00 – 9:00 am Registration and breakfast

9:00 – 9:15 am Welcome and Introduction
Susan McIntosh, Director, Scientia
David Alexander, Director, Rice Space Institute

SESSION 1 - Understanding: The impact of space exploration on our understanding of our place in the Universe

Moderator – Michael Massimino, Executive Director,
Rice Space Institute

9:15 – 9:45 am ***“The Greatest Scientific Achievements of the Hubble Space Telescope”***
Mario Livio
Senior Astrophysicist
Hubble Space Telescope Science Institute

9:45 – 10:15 am ***“A Dynamic Earth: 50 Years of Observations from Space”***
Cindy Evans
Deputy Manager, Astromaterials Acquisition & Curation
Office and ISS Associate Program Manager for Earth
Observations
Johnson Space Center, NASA

10:15 – 10:45 am ***“The First Among Us. No Future Without Space Exploration”***
Jacques Arnould
Ethics Advisor, French Space Academy

10:45 – 11:15 am	Coffee Break
11:15 – 12:00 pm	Q&A: Livio/Evans/Arnould
12:00 – 2:00 pm	Lunch
	<i>SESSION 2 - New Space: Examining the cultural change in space exploration</i>
	Moderator – David Alexander , Director, Rice Space Institute
2:00 – 2:30 pm	<i>“Cold War’s Shadow: New Space Beyond the United States”</i> Asif Siddiqi Associate Professor, Department of History Associate Chair for Undergraduate Studies Fordham University
2:30 – 3:00 pm	<i>“Developing Space Resources”</i> Leslie Gertsch Associate Professor of Geological Engineering Missouri S&T
3:00 – 3:30 pm	<i>“Private Spaceflight: The New Era of Exploration”</i> Emeline Paat-Dahlstrom VP, Operations Singularity University
3:30 – 4:00 pm	Coffee Break
4:00 – 4:45 pm	Q&A: Siddiqi/Gertsch/Paat-Dahlstrom
5:00 – 6:00 pm	Reception
6:45 – 9:00 pm	Speaker and Organizer Dinner (invitation)

Friday, April 12

8:15 – 9:15 am	Registration and breakfast
	<i>SESSION 3 - Diaspora: Expanding human presence in space</i>
	Moderator – Cyrus Mody , Assistant Professor, History, Rice University
9:15 – 9:45 am	<i>“Gerard O’Neill’s Visioneering for the Humanization of Space”</i> W. Patrick McCray Professor University of California, Santa Barbara
9:45 – 10:15 am	<i>“Human Exploration of the Solar System: Dreams and Realities from the Latest Planetary Science”</i> Laurie Leshin Dean, School of Science Rensselaer Polytechnic Institute
10:15 – 10:45 am	<i>“Habitability: Creating a Biosphere and Finding other Habitable Worlds”</i> James Kasting Professor of Geosciences Penn State University
10:45 – 11:15 am	Coffee Break
11:15 – 12:00 pm	Q&A: McCray/Leshin/Kasting
12:00 – 12:30 pm	Conference Summary: Dr. Eileen Stansbery, JSC/NASA
12:30 pm	Close of Conference