

**ISDC 2009 Program Agenda**  
**May 28 - 31, 2009 - Omni Orlando at Champions Gate**  
[www.isdc2009.org](http://www.isdc2009.org)

	<b>Thursday, May 28</b> <i>Commercial</i>	<b>Friday, May 29</b> <i>Government &amp; International</i>	<b>Saturday, May 30</b> <i>Science &amp; Education</i>	<b>Sunday, May 31</b> <i>Outreach &amp; Advocacy</i>
<b>Plenary Sessions (National A/B)</b>				
<b>9:00 AM</b>	<b>Dr. George Nield</b> Associate Administrator for Commercial Space Transportation, FAA	<b>Introduction by Florida Lt. Governor Kottcamp</b> <b>NASA Leadership Panel</b> George Whitesides	<b>Chris Lewicki</b> Mars Phoenix Program	
<b>10:00 AM</b>	<b>Jeff Greason</b> President, XCOR Aerospace	<b>Constellation Panel</b> Geoffrey Yoder, James Chilton, Larry Price, John Schumacher	<b>Robert Zubrin</b> The Mars Society	
<b>11:00 AM</b>	<b>Will Whitehorn</b> President, Virgin Galactic	<b>Ares Panel</b> Steve Cook, Charlie Precourt, Dean J. Nunez	<b>Andrew Chaikin</b> Author	
<b>Lunch (International)</b>				
<b>12:00 PM</b>	<b>Elon Musk</b> Co-founder, PayPal and SpaceX	<b>Janet Petro</b> Deputy Director, NASA Kennedy Space Center	<b>Buzz Aldrin</b> Apollo 11 Astronaut	
<b>After Lunch:</b>	<b>Von Braun Award Presentation</b>	<b>Pioneer Award Presentation</b>	<b>Pioneer &amp; Student Awards Presentations</b>	
<b>Featured Sessions (National A/B)</b>				
<b>2:00 PM</b>	<b>COTS Panel</b> Alan Lindenmoyer, Gwenn Shotwell, Robert T. Richards	<b>Women Leaders in Aerospace Panel</b> Janet C. Karika, Julie A. Sattler, Brig Gen Susan Mashiko, Lynn Cline, Patty Grace Smith	<b>Greening the Aerospace Community</b> <b>Tim Pickens, Orion Propulsion</b>	
<b>3:00 PM</b>	<b>Google Lunar X Prize / NG Lunar Lander</b> Dave Masten, Masten Space Systems; Ruben Nunez, Omega Envoy; Bob Richards, Odyssey Moon; Scott Zeeb, TrueZero	<b>Asian Aerospace Policy Panel</b>	<b>Panel: Advocating for Your Interests</b> Danice Brooks, Ashley Whelan	
<b>4:00 PM</b>	<b>Space Investment Summit Panel</b>	<b>Suborbital Tech Forum (TBD)</b>	<b>"Inspire Me!" Film Screening &amp; Panel</b> Dr. Story Musgrave, Former Astronaut	
<b>5:00 PM</b>	<b>Commercial Space Panel</b> Ken Davidian, Carissa Christensen, Lon Levin	<b>Closed for Gala Preparations</b>	<b>Closed for Dinner Preparations</b>	
<b>Tracks - Augusta</b>				
<b>2:00 PM</b>	<b>Space Business Track - Cliff McMurray, Chair</b> <b>Using Prognostic Technology to Eliminate the Risk of Hardware Failure in Spacecraft</b>	<b>Florida Workforce Transition</b> Lisa Rice, Workforce Brevard	<b>Mars Track - Chris Carberry, Chair</b> <b>The Mars Gas Hopper</b> Dr. Robert Zubrin	<b>9:00 AM</b> <b>Congressional Advocacy Panel</b> Paul Sierpinski, AIAA; Brad Cheetham, SEDS; Chris Carberry, The Mars Society (invited)
<b>2:30 PM</b>	<b>MoonROX Challenge: Lessons Learned</b> Dr. Peter Schubert & Jonathan Card Packer Engineering	(continues)	(continues)	<b>9:30 AM</b> (continues)
<b>3:00 PM</b>	<b>Summary of the Space Investment Summit</b> Dr. Paul Eckert, Boeing	<b>Workforce Refresh Panel</b> Tracy Anania - NASA KSC, Clay Yonce - NASA KSC Cassie Kloberdanz - SpaceX, Bob Richards - Odyssey Moon/ISU Brooke Owens - IAF, Loretta Whitesides - Moderator	<b>To Be Announced</b>	<b>10:00 AM</b> <b>Outreach Project Workshop</b>
<b>3:30 PM</b>	<b>Commercial Payloads on Space Tourist Vehicles</b> John M. Cassanto	(continues)	<b>A New Super Heavy Launcher for Mars Missions</b> A.C. Orvietano	<b>10:30 AM</b> (continues)
<b>4:00 PM</b>	<b>So You Want to Start a Space Company?</b> Tim Pickens, Orion Propulsion	<b>Space Media 2.0</b> William Pomerantz, X PRIZE Foundation; Robert Pearlman, collectSPACE; Jeff Foust, The Space Review; Michael Mealling, Masten Space Systems; Benjamin & Cariann Higginbotham, Spacevidcast.com	<b>Tethered Experiment for Mars interPlanetary Operations Cubed (TEMPO3)</b> Chris Carberry, The Mars Society	<b>11:00 AM</b> <b>Solar System Ambassadors</b>
<b>4:30 PM</b>	<b>Business Case for New Escape Technology and Space Plane</b> Robert Talmage, TAAS Company	(continues)	<b>Flashline Mars Arctic Research Station 2009 Mission and other Mars Society Projects</b> Dr. Robert Zubrin & Chris Carberry	<b>11:30 AM</b> (continues)
<b>5:00 PM</b>	<b>Acquiring Patents: A Less Expensive Option</b> Michael Verhulst	(continues)	(continues)	
<b>5:30 PM</b>	<b>Risk Management and Cost Control for Small Space Companies</b> Greg Allison	(continues)	<b>To Be Announced</b>	
<b>Tracks - Congressional</b>				
<b>2:00 PM</b>	<b>Human Factors Panel</b> Jason P. Kring, Ph.D., Embry-Riddle Aeronautical University Eduardo Salas, Ph.D., University Central Florida Raymond M. Wheeler, Ph.D., NASA KSC Biological Sciences Office Michael A. O'Neal, Angelquake Ministries, LLC (Retired NASA)	<b>Space Solar Power Track - Joe Rauscher, Chair</b> <b>Introduction</b> Lt Col Paul Damphousse (USMC), National Security Space Office	<b>Climate &amp; Space Track - Peter Schubert, Chair</b> Michael Pellin, Argonne National Laboratory	<b>9:00 AM</b> <b>Space Solar Power Track - Joe Rauscher, Chair</b> <b>SSP Panel</b> Dr. Feng Hsu, NASA; Kevin Reed, Welsom Space Consortium, Charles Radley, The Moon Society & Stratowave Corp.; Darel Preble
<b>2:30 PM</b>	(continues)	<b>SSP Panel</b> Seth Potter, Boeing; Dean Davis, Boeing; Mack Henderson, NASA JSC; Rick Halbach, Lockheed Martin	David Halpern, NASA	<b>9:30 AM</b> (continues)
<b>3:00 PM</b>	<b>Florida Space Strategy</b> Mark Bontrager VP, Spaceport Operations, Space Florida	(continues)		<b>10:00 AM</b> (continues)
<b>3:30 PM</b>	(continues)	<b>Near Term Space Solar Power Demonstrations &amp; Applications</b> Seth Potter, Boeing	Peter Kokh, The Moon Society Peter Schubert	<b>10:30 AM</b> <b>SSP Panel</b> Lt Col Paul Damphousse (USMC), NNSA; Dr. Feng Hsu, NASA; Seth Potter, Boeing Dean Davis, Boeing; Joe Rauscher, NSS
			<b>Living in Space Track - Dr. Sherry Bell, Chair</b>	

**ISDC 2009 Program Agenda**  
**May 28 - 31, 2009 - Omni Orlando at Champions Gate**  
www.isdc2009.org

	<b>Thursday, May 28</b> <i>Commercial</i>	<b>Friday, May 29</b> <i>Government &amp; International</i>	<b>Saturday, May 30</b> <i>Science &amp; Education</i>	<b>Sunday, May 31</b> <i>Outreach &amp; Advocacy</i>
<b>Tracks - Congressional (cont.)</b>				
<b>4:00 PM</b>	<b>Crisis Management Workshop</b>	<b>SSP Panel: Strategic &amp; Policy Issues</b> Dallas Bienhoff, Boeing; Amarash Kolipara, Space Energy; Dennis Wingo (invited)	<b>Introduction to the Book: <i>Living in Space</i></b> Dr. Sherry Bell <b>Overview Governance: Space and Earth</b> Dr. Bob Krone, Provost, Kepler Space University <b>Self-Healing Sounds in Space</b> Barbara Hero	<b>11:00 AM</b> (continues)
<b>4:30 PM</b>	(continues)	(continues)		<b>11:30 AM</b> (continues)
<b>5:00 PM</b>	<b>Finding Money for Your Student Projects</b> Ryan McLinko, Matt Cannella, Justin Graves, Kyle Stephens	<b>SSP: The Missing Cornerstone</b> Darel Preble	<b>On the Metasphere</b> Prof. Lowry Burgess	
<b>5:30 PM</b>	(continues)	<b>SSP Panel</b> W. Kent Tobiska, Space Environment Technologies; Ben Shelef, Spaceward Foundation; Jim Plaxco, Artsnova	<b>Sustainable Space Exploration and Development: A Unified Strategic Vision</b> Dr. Feng Hsu <b>Closed</b>	
<b>6:00 PM</b>	<b>Closed</b>	(continues)		
<b>Tracks - Colonial</b>				
<b>2:00 PM</b>	<b>Architecting the Future - Engineering Better Outcomes for ISS, COTS, Ares V, Lunar Operations, and NASA</b> Gary Barnhard, NSS	<b>Chandrayaan-1, India's Mission to the Moon</b>	<b>Space Art Track - Fred Becker, Chair</b> <b>Lunar-Based Materials Painting</b> Peter Kokh, The Moon Society <b>An Apollo Child's Space Art</b> Fred Becker, NASA / Analox-QinetiQ-NA	<b>9:00 AM</b> <b>Space Settlement Track - Anita Gale, Chair</b> <b>Re-imagining Space Colonies: The Stanford Taurus Revisited</b> John Cserep
<b>2:30 PM</b>	(continues)	(continues)	<b>Designing Shuttle and Historical Space Mission Patches</b> Tim Gagnon, NASA Patch Artist <b>Space Music on the Lambda Keyboard</b> Barbara Hero, ILRA	<b>9:30 AM</b> <b>From Lunar Dust to Spacesuits: Hazards and Opportunities</b> L. Riefrio
<b>3:00 PM</b>	<b>Captivating Risk-Adverse Investors and a Disconnected Key Audience</b> Kristin Medin	<b>ISS as a National Lab</b>	<b>Breakthrough Science &amp; Technology - Bill Gardiner, Chair</b> <b>From Discovery to Invention and from Science to Practice: Catalyzing Our Reach to the Stars &amp; Everywhere In Between</b> Bill Gardiner, Laboratory Consulting Sources, Inc.	<b>10:00 AM</b> <b>Lessons Learned from Current Analogue Mars Surface Suit Designs and Operations</b> Paul Graham
<b>3:30 PM</b>	<b>Leveraging NASA Small Payload Experience for Successful Private Microgravity Research Programs</b> Rolando Branly <b>Space Settlement Track - Anita Gale, Chair</b>	(continues)	<b>Advanced Space Propulsion Concepts for Interstellar Travel</b> Gregory Meholic	<b>10:30 AM</b> <b>The Michigan Nanosatellite Pipeline</b> Catherine Walker
<b>4:00 PM</b>	<b>Stealth, Invisibility, and Deep Space Radiation Shielding</b> Benjamin T. Solomon	<b>Lunar Track - David Dunlop, Chair</b> <b>Becoming "At Ease" on the "Hostile" Lunar Surface</b> Peter Kokh, The Moon Society	<b>A Two-part Invention for Improving Human Mobility and Health in the Reduced Gravity Environments of Space</b> Ted Czinki	<b>11:00 AM</b> <b>Liquid Bi-Propellant Rocket Development For Lunar Lander X-Prize</b> Baber, Dr. Eric R. Perrell, Johann S. Schrell
<b>4:30 PM</b>	<b>To Be Announced</b>	<b>An Architecture for Lunar Science Exploration</b> David Dunlop, The Moon Society	<b>Three Examples of Data Mining from Earth's Universities and NASA's Space Probes</b> Bill Gardiner, Laboratory Consulting Sources, Inc.	<b>11:30 AM</b> (continues)
<b>5:00 PM</b>	<b>Crew Escape Spacecraft</b> Thomas Hancock	<b>NASA Competition and Lunar Analog Research</b> Dan Hawk, College of Menominee Nation Undergraduate Engineering Team	<b>Panel Discussion: Taking the "No" Out of Innovations for Space Travel</b> Meholic, Czinki, and Gardiner	<b>12:00 AM</b> <b>Project VeSPR - The Venus Spectral Rocket</b> Ben Corbin
<b>5:30 PM</b>	<b>To Be Announced</b>	(continues)	(continues)	<b>12:30 AM</b> <b>What should we do with the Space Shuttles?</b> Michael Chapman
<b>Tracks - Oakmont</b>				
<b>2:00 PM</b>	<b>Private Meeting</b>	<b>The Effect of Government and Other Factors on the Space Program</b> Kathryn Gaverth	<b>Hands-on Education Roundtable</b> Josh Neubert, Conrad Foundation, Tony Gannon, Space Florida Micheal Mealling, Masten Space Systems	
<b>2:30 PM</b>	(continues to 6:00 PM)	<b>How Newspace affects attitudes toward Science, Technology, Engineering and Math (STEM)</b> George Tyson <b>Space Settlement Track - Anita Gale, Chair</b>	(continues)	
<b>3:00 PM</b>		<b>Commercial Lunar Opportunities</b> Bruce Pittman and Robert Kelso	<b>Student Space Settlement Design Contest</b> Lynne Zielinski, NSS & Student Teams	
<b>3:30 PM</b>		<b>NewSpace Center: A New Central Florida Tourist Attraction</b> Joe Palaia	(continues)	
<b>4:00 PM</b>		<b>Landing Twice the Mass on the Moon at Half the Cost</b> Stephen Metschan	(continues)	
<b>4:30 PM</b>		(continues)	(continues)	
<b>5:00 PM</b>		<b>Advanced Space Propulsion Concepts for Interstellar Travel</b> Gregory Meholic	<b>Embry-Riddle Student Presentations</b> (continues)	
<b>5:30 PM</b>		(continues)		
<b>6:00 PM</b>		<b>Planetary Science at the University of Central Florida</b> S. Alan Stern and Daniel Britt	<b>Closed</b>	
<b>Dinner (National A/B)</b>				
<b>7:00 PM</b>	<b>Richard Garriott</b> <b>Private Space Explorer</b>	<b>Rusty Schweickart</b> Apollo 9 Astronaut and Chairman, B612 Foundation	<b>John Mankins</b> President, Space Power Association	
<b>After Dinner:</b>	<b>Pioneer Award Presentation</b>	<b>Pioneer Award Presentation</b>	<b>NSS and O'Neill Awards Presentations</b>	
<b>Special Events</b>				
	<b>4:00-6:00 PM</b> <b>Space Ambassadors Reception (ChampionsGate)</b>	<b>3:00 PM</b> <b>Space Ambassadors Program (ChampionsGate)</b>	<b>2:00-6:00 PM</b> <b>Board of Directors Meeting (ChampionsGate)</b>	<b>9:00 AM - 12:00 PM</b> <b>Board of Directors (ChampionsGate)</b>
	<b>9:00 PM</b> <b>Fireworks Show &amp; Desert Reception</b>		<b>9:00 PM</b> <b>Chapters Assembly (Augusta)</b>	