

**Ninth International Mars Society Convention**  
**August 3-6<sup>th</sup>, 2006**  
**L'Enfant Plaza Hotel, Washington, DC**

**Wednesday, August 2, 2006**

**4:00 pm – 7:00 pm – Early Registration - *North Foyer***

**Thursday, August 3, 2006**

**8:00 a.m. – Conference registration opens – *North Foyer*  
Vendor and Display set-up – *Solarium***

**Plenary Talks – *Ballrooms***

**9:00 a.m. - Dr. Mike Griffin, NASA Administrator**

**10:00 a.m. – Elon Musk – CEO and Founder of Space X**

**11:00 a.m. – Brian Chase – NASA Associate Administrator for Legislative Affairs**

**11:45 a.m. – Chris Carberry and The Political Action Task Force – Effective Political Outreach**

**Following the Political Action Task Force Presentation, Conference Attendees will be taken to Capitol Hill for the Great 2006 Mars Blitz**

**For those unable to travel or with small children, we offer the following during the afternoon:**

**1:00 pm – 4:00 pm – Youth Activities, Games, stories etc. for our young Martians – ages 4-12 years old. Mars Society Youth Chapter discussion group for older youth members. - *Quorum***

**1:00 p.m. – 5:00 p.m. – 1<sup>st</sup> Annual Martian Film Festival – *Ballroom D***

**Evening Entertainment – *Ballrooms***

**6:00 p.m. – 8:00 p.m. – Reception (light snacks will be served, cash bar)**

**8:00 p.m. – 9:00 pm – John Geoghegan – Mars Attacks, a History of Mars as Viewed by Popular Culture**

**9:00 p.m. – 11:00 p.m. – The Mars Underground, presented by Scott Gill**

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**Friday, August 4, 2006**

**8:00 a.m. – Registration opens – *North Foyer***  
**Vendors and Displays – *Solarium***

**Plenary Talks - *Ballrooms***

**9:00 a.m. - Dr. Scott Horowitz, NASA Associate Administrator for Exploration Systems**

**10:00 a.m. – Dr. Scott Hubbard, SETI Institute, former head, NASA Mars Exploration Program**

**11:00 a.m. - Matt Mountain, Director of The Space Telescope Science Institute**

**12:00 p.m. – 1:00 p.m. – lunch break**

**1:00 p.m. – 6:00 pm – *Track Talks***

**Track 1 – Ballroom A**

**Track 2 – Ballroom B**

**Track 3 – Ballroom C**

**Track 4 – Monet 1 & 2**

**Track 5 – Monet 3 & 4**

**Martian Film Festival – Ballroom D**

**Evening Entertainment – *Ballrooms***

**7:00 p.m. – The First Martian Poetry Slam, readings from the Double-X crew**

**8:00 p.m. – A New World – Is it Worth the Risk? – Australian Astronaut Andy Thomas,  
Dr. Robert Zubrin, Colin Bryant, Paladin Capital Group, Charles Duelfer, Transformational Space  
Corp, and more**

**10:00 p.m. - Filmmaker Jeroen Lapre –The MERalizer and The Arthur C. Clarke project**

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**Track Talks, August 4<sup>th</sup>, 2006**

	Track 1- MDRS 2006 Field Season	Track 2 – Advanced Spacesuits Symposium	Track 3 – Life on Mars and Mars to Life	Track 4- Colonization and Resource Utilization	Track 5 – Law, Governance and Political Implications
1:00-1:30	T. Muscatello-A Review of the 2006 MDRS Season	Chris Vancil- Suited for Mars Spacesuit Symposium	L. Kuznetz – The Hunt for Water and Life on Mars	D. Wilkinson NEAmines working group overview	Ed Hudgins – Martian Law Revisited
1:30-2:00	Peter Deterline- Stars for Mars: Musk Observatory	C. Carr-Walking and Running in Space Suits	J. Brandenburg Mars and Venus: a Model for a Persistent Greenhouse on Mars	Ed Albin – Mining Ore Deposit in Impact Basins	D. O'Donnell – Astrolaw: What Court System
2:00-2:30	Maggie Zubrin- Exploration Food Simulation at MDRS	Gary Harris- Architecture of a Planetary EVA Spacesuit	H. Sarper-The Solar Electrolysis Experiment (SEX)	D. Terekhov- Chemical Vapour Metal Refining	K. Chankaya – Freedom and Authority on Mars and The End of the Servant Society
2:30-3:00	Emily Colvin - Georgia Tech Crew 47	C. Carr - Search for Extra- Terrestrial Genomes	G. Fisher - Cylindrical Mars Habitats	Mark Moran- Sustained Mars Exploration	D. O'Donnell Governmental Immunity and The Space Elevator
3:00-3:30	W. Clancey- Prototype Software for Spaceflight	L. Kuznetz- The Mars Suit Project	Austin Mardon Martian Lava Tubes for Habitation Structures	R. Zubrin – The Mars Gasshopper	Grant Bonin- Reaching Mars for Less
3:30-4:00	Emily Colvin - MDRS Engineering	Gary Harris-The North Dakota Spacesuit	H. Sarper- Phase II Biosphere Observation	Shaun Moss – Steel Making on Mars	J.J. Hurtak – Multilateral Agreement for a Manned Mission
4:00-4:30	John Barainca – the CAP Cadets at MDRS	D. Allred – Intermediate Martian Atmospheric Study and Demonstration	Philip Crume- Mars Colony as part of a Space Civilization	Robert Terry- Mars Sample Return via In-Situ Propellant Production	C. Carberry – Operation President and the 2008 Presidential Race
4:30-5:00	Double X Crew – What I Learned from MDRS	L. Kuznetz - Biosensors and Smart Suits	Shaun Moss- Terraforming	Mike Houts – Fission Surface Power	J. Brandenburg Mars is the Prize but the Moon is not to be Despised
5:00-5:30	Paul Graham - An overview of the MDRS Refit	J. Millium- Experiments to Determine Impacts of Analogue Suits	Brian Hanley- Control Global Warming with Terraforming Methods	Tony Muscatello- Integrated Mars In Situ Propellant Production	D. O'Donnell- ISDAC: Imprimatur Structure
5:30-6:00	R. Zubrin – FMARS 2007 – Four Months in the Frozen North	J. Dowding – Untethered Human-Computer Interactions	Joseph Palaia- 4Frontiers Corporation	James Brown- A Fuel Depot in Mars Orbit	W. Hulsey – Technology Development through Intellectual Property Analysis

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**Saturday, August 5, 2006**

**8:00 a.m. – Registration opens – *North Foyer***  
**Vendors and Displays – *Solarium***

**Plenary Talks - *Ballrooms***

**9:00 a.m. – Dr. Robert Zubrin, President, The Mars Society**

**10:00 a.m. – Andy Thomas, ISS Astronaut**

**11:00 a.m. – Dr. Chris McKay**

**12:00p.m. – 1:00 p.m. – lunch break**

**1:00 p.m. – 6:00 pm – *Track Talks***

**Track 1 – Ballroom A**

**Track 2 – Ballroom B**

**Track 3 – Monet 1**

**Track 4 – Monet 2**

**Track 5 – Monet 3**

**Martian Film Festival – Ballroom D**

**Mars Society Steering Committee Meeting - Degas**

**Evening Entertainment – *Ballrooms***

**6:30 – 11:00 - 9<sup>th</sup> Annual International Mars Society Banquet and Recognition Ceremony**

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**Track Talks, August 5<sup>th</sup>, 2006**

	<b>Track 1 – Human Factors and Biomedical Research</b>	<b>Track 2 – Analog Studies</b>	<b>Track 3 – Missions, Propulsion and Launch Vehicles</b>	<b>Track 4– Philosophical and Historical Implications of Mars Exploration</b>	<b>Track 5 – Special Projects, Outreach and Education</b>
<b>1:00-1:30</b>	<b>B. Luders-Mars Life Extension, Bioregenerative Life Support</b>	<b>K. Nebergall The Polar Exploration Initiatives</b>	<b>Carlos Glender – Logistical Importance of Supportability, Maintainability and Commonality</b>	<b>Declan O’Donnell-Space Development Phase</b>	<b>Hannes Griebel – The Mars Balloon Project ARCHIMEDES</b>
<b>1:30-2:00</b>	<b>Brent Bos-Mars Atmospheric Hazard Assessment Package (MAHAP)</b>	<b>Douglas Gage Begin High Fidelity Mars Simulations Now</b>	<b>Linda Fuhrman – New Era in Surface Exploration</b>	<b>B. Serrato-Paradigm Shifts, Ripples in Space</b>	<b>Hannes Griebel-Radio Science Investigations with Mars Express</b>
<b>2:00-2:30</b>	<b>David Gan-Terrestrial Microbial contamination by Drilling</b>	<b>Paul Graham - FMARS-MOD2, an overview</b>	<b>R. Braun – The Challenges of Atmospheric Landing on Mars</b>	<b>M. Adams – Killing Apollo: Why America is not a Space-Faring Nation</b>	<b>E. Wagner-Mars Gravity Biosatellite: Project Overview</b>
<b>2:30-3:00</b>	<b>K. Nebergall Magnetic Radiation Protection</b>	<b>C. Phillips – Spaceflight and Mars Direct Sims</b>	<b>Randy Parsley-Evolution of EELV Upper Stage Propulsion for In-Situ Exploration</b>	<b>Martha Adams – the Evolution of Cultural and Human Differences between Planetary Cultures</b>	<b>S. Davidian-Centennial Challenges</b>
<b>3:00-3:30</b>	<b>William Rowe-An All Female Crew for Mars Mission</b>	<b>S. Rupert – What Forestry Research Teaches</b>	<b>Erik Kabo – A Feasibility Study of a Mars Scout Vehicle to Study Methane</b>	<b>Ed Hudgins – Martian Culture and its Terrestrial Prelude</b>	<b>J. Lagarde- Demo of New Mars Society Web Site Tools</b>
<b>3:30-4:00</b>	<b>Gary McPeters-Cargo Handling and Exploration</b>	<b>Paul Graham - The Future of the Engineering Team</b>	<b>Frank Crossman-The Weakest Link in the Space Elevator Vision</b>	<b>James Heiser – What is a New Civilization Worth?</b>	<b>R. Walker – Collaborative Communications Systems</b>
<b>4:00-4:30</b>	<b>McCormack-Health Concerns in Colonization</b>	<b>Bruce Irving – Virtual Prototyping , Orbiter Space Flight Sim</b>	<b>J.E. Brandenburg-MET(Microwave Electro-Thermal)Thruster</b>	<b>Richard Sylvan – The Space Economy – eliminating bottlenecks</b>	<b>Richard Thieltges-Roadmap for Exploration</b>
<b>4:30-5:00</b>	<b>Fulford-Jones Mars Gravity Biosatellite: Payload</b>	<b>Grant Bonin – Physiological Implications of a cancelled mission</b>	<b>Ryan Wooley - Flight Masses and Technology Developments for a First Human Mission</b>	<b>Howard Bloom – How New Frontiers Resculpt your Body and your Brain</b>	<b>J. Herholz - European Space Transportation System</b>
<b>5:00-5:30</b>			<b>Eric Boethin – Progression on Heavy Lift Launch Vehicles</b>	<b>Regan Walker-the Drive to Mars</b>	<b>N. Chapin-Integrity in Mars Data</b>
<b>5:30-6:00</b>			<b>James Brown-Mars , Sooner and Cheaper Using Small Launch Vehicles</b>	<b>Marvin Hilton – The Real Reason for Exploring Mars</b>	<b>Z. Whitten-A Martian Railroad, Opening the New West</b>

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**Sunday, August 6<sup>th</sup>, 2006**

**8:00 a.m. – Registration opens – *North Foyer*  
Vendors and Displays – *Solarium***

**Plenary Talks - *Ballrooms***

**9:00 a.m. – George Whitesides, President of National Space Society**

**10:00 a.m. – Dr. Penelope Boston**

**10:45 a.m. – Eric Anderson, CEO Space Adventures Inc.**

**11:00 a.m. Registration closes  
Vendors and Displays begin breakdown**

**11:30 p.m. – lunch break**

**12:15 p.m. – 2:00pm – *Track Talks***

**Track 1 – Ballroom D**

**Track 2 – Monet 2**

**Track 3 – Monet 3**

**Track 4 – Monet 1**

**2:15 p.m. – 3:00 p.m. – Closing Meeting, Dr. Robert Zubrin, Steering Committee Members**

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**Track Talks, August 6<sup>th</sup>, 2006**

	<b>Track 1 – Philosophical &amp; Theological Implications of Mars Exploration</b>	<b>Track 2 – A New Look at Mars</b>	<b>Track 3 – Projects and Groups</b>	<b>Track 4 – Mars and Education</b>
<b>12:15 – 12:45</b>	<b>James Heiser – Truth, Virtue and the Opening of a New World</b>	<b>J. Brandenburg CI Carbonaceous Chondrites as Missing Old Meteorites</b>	<b>C. Carberry- Mars and Congress, Setting up a Meeting</b>	<b>J. Heldmann-NASA Quest Web Challenge as an Ed Tool</b>
<b>12:45-1:15</b>	<b>Howard Bloom - Super Simultaneity – Answering a Fundamental Darwinian Question</b>	<b>G.Drake- Outreaching to the Environmental Community</b>	<b>Bruce Mackenzie- The Mars Homestead Group</b>	<b>T. Hill – I want to Go to Mars, a Children’s Book</b>
<b>1:15-1:45</b>	<b>James Weber- Towards a Beginning Astrotheology</b>	<b>R. McGowan- Particulate Lensing in the Earth’s Atmosphere</b>	<b>Mars Homestead continues</b>	<b>L. Kuznetz- Go to Mars: An Education Based Mars Game</b>
<b>1:45-2:15</b>	<b>Boris Yik Yim – Philosophy for Martians</b>	<b>Hugh Gregory – Project Mast</b>	<b>Mars Homestead continues</b>	<b>Letherwood &amp; Lee Mars Museum</b>