

14th ANNUAL INTERNATIONAL MARS SOCIETY CONVENTION

THE MARS SOCIETY

PRESENTS

MARS — THE — NEXT — — — FRONTIER

DALLAS, TEXAS on AUGUST 4-7, 2011

**14th Annual International Mars Society Convention
August 4-7, 2011
Dallas, Texas**

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2011 MARS SOCIETY CONVENTION (Dallas)

Tentative Schedule*

Wednesday, August 3

Atrium Lobby

4:00 pm - 6:00 pm

Early Registration

7:00 pm - 10:00 pm

Steering Committee Meeting

Thursday, August 4

Atrium Lobby

7:30 am

Convention Opens, Registration, Check-in
Vendor and Display Set-up

Plenary Sessions

Pheasant Ridge Ballroom IV

9:00 am - 10:00 am

Homer Hickam, Author of *October Sky*

10:00 am - 11:00 am

Dr. Paul Davies, Proponent, One-Way Mission to Mars Concept

11:00 am - 12:00 pm

Dr. Everett Gibson, Senior Scientist, NASA Johnson Space Center, Allan Hills Meteorite

12:00 am - 1:00 pm

Lunch Break

1:00 pm - 2:00 pm

Rt. Rev. James Heiser, Author, Spiritual and Theological Issues related to Space Exploration and Settlement: A Shining City on a Higher Hill (2006) and Civilization and the New Frontier (2010)

2:00 pm - 3:00 pm

Debate: VASIMR - Silver Bullet or Hoax?

3:00 pm - 5:00 pm

Track Sessions

	<u>Track 1</u>	<u>Track 2</u>	<u>Track 3</u>
	<i>Pheasant Ridge I</i>	<i>Pheasant Ridge II</i>	<i>Pheasant Ridge III</i>
Time			
3:00 - 3:30	Breakthrough Propulsion R. Obousy Project Icarus	Mars Technology T. Muscatello Mars ISRU Evaluation	Launch Systems R. Smith Near Future Means of Reducing Costs to Orbit-1

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3:30 - 4:00	M. Barnes Electromagnetic Field Propulsion	K. Namuduri Guided Surface Exploration Using Rovers and Wireless Sensor Networks.	R. Smith Near Future Means of Reducing Costs to Orbit-2
4:00 - 4:30	Mars Atmosphere D. Roffman Higher than Advertised Martian Air Pressure 1	J. Epstein Water Filtration in a Planetary Environment	J. Strickland A Mars Logistics System
4:30 - 5:00	B. Roffman Higher than Advertised Air Pressure 2	H. Sarper Table Top ISRU Demo	J. Strickland Earth to Mars Logistics System

Special Activities

6:30 pm - 8:00 pm

Reception (Cash Bar, Hors d'oeuvres) and **Town Hall Meeting**
Pheasant Ridge Ballroom V

8:00 pm - 9:30 pm

Panel: One-Way Trip to Mars, Dr. Robert Zubrin, Bruce Mackenzie, M. Fowler, and others - TBA - *Pheasant Ridge Ballroom IV*

9:30 pm

Book Signing

10:00 pm - midnight

Film: The Mars Underground - Special Preview of Updated Version

Friday, August 5

Atrium Lobby

7:30 am

Registration, Check-in
Vendors and Displays

Plenary Sessions

Pheasant Ridge Ballroom IV

9:00 am - 9:45 am

Dr. Humboldt Mandell, Senior Research Fellow, Center for Space Research, University of Texas at Austin

9:45 am - 10:30 am

Dr. John Hoffman, Space Scientist & Physics Professor, School of Natural Sciences and Mathematics, University of Texas at Dallas, Co-Investigator of Phoenix/TEGA Mission

10:30 am - 11:15 am

Michael Max - Methane Hydrates on Mars

11:15 am - 12:00 pm

William Borucki, Science Principal Investigator, Kepler Mission

12:00 pm - 1:00 pm

Lunch Break

1:00 pm - 2:00 pm

Paul Wooster, Systems Engineer, SpaceX

2:00 pm - 3:00 pm

Dr. Robert Zubrin, President, The Mars Society

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3:00 pm - 5:00 pm	Special Panel: Space Nuclear Power D. Buden , Nuclear Power and Propulsion: Keys to Mars Exploration Harold Finger , Creating America's Nuclear Rockets S. Gunn , Closed and Open Cycle Nuclear Exhaust Conditioning In Cycle
Closed Cycle Systems	M. Williams , Blueprint for NTR Test Facilities E. Robinson , Approval in the Era of the New Generation Nuclear Rocket

5:00 pm	Book Signing
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Special Activities

Pheasant Ridge Ballroom IV

6:30 pm - 8:00 pm	Panel: Initial Challenges for a Mars Colony - Joseph Palaia, Rt. Rev. James Heiser, Bruce Mackenzie, Kramer, Hunter
8:00 pm - 9:30 pm	Panel: Space and the Media , John Zarrella - CNN, Mark Whittington - Yahoo News, Ian O'Neill - Discovery News, and Pat Duggins - National Public Radio, Alabama
9:30 pm	Book Signing

Saturday, August 6

Atrium Lobby

7:30 am	Registration, Check-in Vendors and Displays
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Plenary Sessions

Pheasant Ridge Ballroom IV

9:00 am - 9:45 am	Dr. Nathan Bridges , Senior Staff Scientist, Johns Hopkins University Applied Physics Laboratory, and Co-Investigator, HiRise & MSL Chem Cam Projects
9:45 am - 10:30 am	Dr. Bruno Marino , CEO and Founder of Planetary Emissions Management, Inc.
10:30 am - 11:15 pm	Dr. Nathaniel Owen-Going , Going Consulting Inc. -Potential Biotic and Abiotic Stresses in Martian Agriculture and their Implications
11:15 am - 12:00 pm	Dr. Ian O'Neill , Space Science Producer, Discovery News
12:00 pm - 1:00 pm	Lunch Break
1:00 pm - 2:00 pm	Dr. Melanie Correll , Plant Growth Specialist, Associate Professor, University of Florida's Agricultural & Biological Engineering Department
2:00 pm - 3:00 pm	Gary Harris and Jon Rask - Mars Space Suit Update
3:00 pm - 5:00 pm	Track Sessions

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	<u>Track 1</u> <i>Pheasant Ridge I</i>	<u>Track 2</u> <i>Pheasant Ridge II</i>	<u>Track 3</u> <i>Pheasant Ridge III</i>
Time			
3:00 - 3:30	Advanced Technology K. Nebergall Orbital Refueling that Works	Human Mars Missions Jean-Marc Salotti Manned Mission to Mars; The 2-4-2 Concept	Exobiology Collin Thomas Introduction of Microbial Life to Mars Using Earth Originating Microbial Ballistics
3:30 - 4:00	G. Stephenson X-Ray Pulsar Navigation	M. Hilton Reasons for an International Mission to Mars	S. Jaju Observing the Nature of Earth's Microbes on Mars and Bringing Samples Back Safely
4:00 - 4:30	Eric Robinson and John Hunter The Case for Hydrogen Gas Guns	S. Reiman Ethical Approach to Practical Moral Decision Making	Education J. Popoff A Strategy for Enlisting Young People as Mars Explorers Using Amateur Radio
4:30 - 5:00	G. Johnson Going to Mars, or Anywhere Else	M. Fowler Belonging with a One-Way Ticket to Mars	J. Warren Juvenile Book on Mars: An Exploration into Children's Imagination.

Special Activities

Pheasant Hill Ballroom V
6:00 pm - 10:00 pm

14th Annual International Mars Society Banquet, **Dr. Ian O'Neill**, Master of Ceremonies, Banquet Speaker: **Dr. Ashwin R. Vasavada**, Deputy Project Scientist, Mars Science Laboratory, and **Special Guest** - TBA (Cash Bar)
Music provided by: Glass of Class Jazz Ensemble, Houston, TX

Sunday, August 7

Atrium Lobby
8:00 am

Registration, Check-in
Vendors and Displays
Registration Closes, Vendors and Displays Begin Breakdown

1:00 pm

Plenary Sessions

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Pheasant Ridge Ballroom IV

9:00 am - 10:00 am	Dr. Bruce Banerdt , Lead Scientist, Geophysical Monitoring Station (GEMS), JPL
10:00 am - 11:00 am	Dr. Jean Hunter , Associate Professor, Biological & Environmental Engineering, Cornell University
11:00 am - 12:00 pm	Joseph Palaia , Vice President, Operations/R&D, 4Frontiers
12:00 am - 1:00 pm	Lunch Break
1:00 pm - 2:00 pm	Kevin Sloan , Director, University Rover Challenge
2:00 pm - 2:30 pm	Shannon Rupert - Mars Analog Science: Where Do We Go From Here?
2:30 pm - 3:30 pm	J. Epstein - Experiences of an Expedition at MDRS
3:30 pm - 4:00 pm	Closing Session - Dr. Robert Zubrin

*Last updated 7/22/11. Please note that the schedule is subject to change.