

Thursday October 15th				
All Times PDT				
Morning Plenaries				
9:00 AM	Dr. Robert Zubrin, President, The Mars Society			
9:30 AM	Dr. Chris McKay, NASA Ames, Prerequisites to Human Activity on Mars			
10:00 AM	Dr. Carol Stoker, NASA Ames, Potential Habitats for Life on Mars			
10:30 AM	Dr. Michael Hecht, PI, MOXIE, Mars Perseverance			
11:00 AM	Dr. Abigail Fraeman, Deputy Project Scientist, Mars Curiosity			
11:30 AM	Dr. Mark Panning, Project Scientist & Co-Investigator, Mars InSight			
12:00 PM	Dr. Adrian Brown: Mars 2020 and Mars Sample Return			
12:30 PM	Dr. Anna Yusupova, IBMP Russia: confinement experiments			
Afternoon Sessions				
	Tech A	Tech B	Settlement A	Medical
1:00 PM	TA-1 Romanko et al: Oasis Mars Project	TB-1 Gilbert: Nuclear Fuel Cycle for Mars	SA-1 Bhuiyan: Mars City Design for 1,000,000	M-1 Kir: Medicine on Mars after 2050
1:30 PM	TA-2 Lee Roberts: Underwater Mars Habitats	TB-2 Nikitaev: Seeding H2 in NTP Engines	SA-2 Haeupli-Meusburger: Mars Science City	M-2 Gardiner: Towards Healthy Living on Mars in a Time of CV19 on Earth
2:00 PM		TB-3 Tan, Rezende et al Operations of a Power Station on Mars	SA-3 Jus Ad Astra: Human Rights as a foundation for a Mars Bill of rights	M-3 Jobin: Martian Mental Health
2:30 PM	TA-4 Pelc, Suscicka et al; Evolution of a Mars Colony	TB-4 Kumar, Sharma et al: Power Generation for Mars using CO2	SA-4 Mayes: Utopian Colonies on Mars	M-4 Lordos: Large Scale Space Settlements: A New Frontier for Space Psychology
3:00 PM	TA-5 Lebedev: Alternatives to drilling using war technology	TB-5 Kumar, Adlakha et al: Next Gen power for Martian life	SA-5 Calanchi: A cultural and ecological approach to Mars Colonization	M-5 Kommareddy and Rezende: Bone Density Stabilizer for Long Term Space Travel
3:30 PM	TA-6 Tompkins: GrowMars Expanding Loop Process	TB-6 Cooper: 2032 the first humans on Mars	SA-6 Gaviraghi et al: The Martian Urban Cell as the unit for Martian settlements	M-6 Wong, Wu, McEwan: Non-invasive biomonitor for human spaceflight
4:00 PM	TA-7 Rezende, Souza et al: Deploying Greenhouse facilities	TB-7 Saranya: Sanitation in a Mars Habitat	SA-7 Nebergall: Solar System Mini-Settlements in 2060	M-7 Radstake et al: In vitro models to unravel interplay of spaceflight stressors
4:30 PM	TA-8 Kacha, Sia: deployable Martian Habitat	TB-8 Isenberg: Areomorphology by Plasma Processes?	SA-8 Tellez et al: The preservation and coexistence of human colonies on Mars	M-8 Pelc et al: Hospital on the moon
<b>Break / Dinner Hour (5pm - 6pm)</b>				
Thursday Evening Programs				
6:00 PM	Dr. Vandí Verma, Rover Driver - Mars Perseverance, Curiosity, Spirit, Opportunity			
6:30 PM	Dr. Farah Alibay, Systems Engineer, Mars InSight - Engineering Perseverance			
7:00 PM	Reid Stowe: Mars Ocean Analogs: Learning How to explore Mars at Sea			
7:30 PM	Mars Desert Research Station Panel - Dr. Shannon Rupert & crewmembers			
8:00 PM				
8:30 PM	Dr. John Grunsfeld, Astronauts Can Do Great Science			
9:00 PM	University Rover Challenge Panel - Kevin Sloan			
9:30 PM				
10:00 PM	Mars University Panel - Kolemman Lutz			

Friday October 16th				
All Times PDT				
Morning Plenaries				
9:00 AM	Dr. S. Pete Worden, Breakthrough Initiatives			
9:30 AM	Nick Booth & Elizabeth Howell, Co-Authors, Book: "The Search for Life on Mars" (2020)			
10:00 AM	Michael Griffin, Former Administrator, NASA			
10:30 AM	Dean Cheng, The Heritage Foundation, China in space			
11:00 AM	Dr. Nathaniel Putzig, Exploring Mars with Ground-Penetrating Radar			
11:30 AM	Dr. David Poston, Space Nuclear Power			
12:00 PM	Rick Tumlinson, The Spaceflight Revolution			
12:30 PM	Kelvin Manning, Associate Director, Kennedy Space Center			
Afternoon Sessions				
	Tech C	Tech D	Settlement B	Outreach & Education
1:00 PM	TC-1 Zlindra et al: UBC Mars Colony	TD-1 Matkowski: Simulation of Evacuation in Martian Conditions	SB-1 Sobocinski: Pawns on Mars	O-1 Melton: Spread the Word
1:30 PM	TC-2 Smith: SPORE: Resource Extraction and habitable space creation	TD-2 Chase: Psychological and Physiological implications of Settling Mars	SB-2 Nebergall: Paraterraforming Hebes Chasma	O-2 Charrek: The Mars Society Education and Outreach Team Focus
2:00 PM	TC-3 Pazar: Resource Utilization on Mars	TD-3 Doug Shull: Lunar lava Tubes Show the Way to Mars	SB-3 Gaviraghi: Mars Terraforming	O-3 Burk and Crossman: Marspedia.org - 2020 Progress Report & Tutorial Demo
2:30 PM	TC-4 Cadet et al: Mars, a buildable planet	TD-4 Green: Robotic Testing for Space Suit Joints	SB-4 Shankar et al: Launch Center on Mars	O-4
3:00 PM	Elon Musk - Founder & CEO, SpaceX			
3:30 PM				
4:00 PM	TC-5 Singh: A critical review on the Martian habitat	TD-5 Lofqvist: Intelligent Swarms on Mars	SB-5 Pelc, Popiel et al: A State on Mars	O-5 Hovee: Mars Society Chapters update
4:30 PM	TC-6	TD-6 Gurrea: Mars Direct v3	SB-6 Susciicka, Torchala et al: Evaluation of Mars Colonization opportunities	O-6
5:00 PM	TC-7 Prasad: Development of Mars launch facility Using CO2	TD-7 Purewal et al: Engineering on Mars	SB-7 Soni, Trabelsi et al: Postcards from Mars	O-7 Nan Li: Why Public Education of Mars Exploration?
5:30 PM	TC-8 Rezende, Shankar et al: Operation of the main station on Mars		SB-8 Bruce Mackenzie: Mars Settlement Study Group	O-8 Secosky: How to explore Mars without leaving your chair
6:00 PM	Geoff Landis, Memories of MIP			
6:30 PM	Taber MacCallum - Space Perspective			
7:00 PM	Dr. Peter Diamandis, X Prize Foundation & Singularity University			
7:30 PM	Search for Life on Mars Panel - McKay, Stoker, Abramovich, Willett			
8:00 PM				
8:30 PM	Mongolian Aerospace Research and Science Association			
9:00 PM				
9:30 PM	New Space Centers Panel: Aliya Grigg, Jarek Mika, Łukasz Wilczyński, Krzysztof Kacaliński			
10:00 PM				

Saturday October 17th				
All Times PDT				
Morning Plenaries				
9:00 AM	Barbara Belvisi, Founder & CEO, Interstellar Lab			
9:30 AM	Sarah Baatout, How to Protect Astronauts from Radiation			
10:00 AM	Jim Bridenstine, NASA Administrator			
10:30 AM	Loretta Hidalgo Whitesides, Founder, Yuri's Night			
11:00 AM	George Whitesides, Virgin Galactic			
11:30 AM	Angela Cui and China Panel			
12:00 PM				
Afternoon Sessions				
	Tech E	Analog Bases	Political	Mars City State Contest
1:00 PM	TE-1 Divay et al: Challenges of Food production on Mars	AB-1	P-1 Bellant: A Prize Fund to Get Humanity to Mars?	Team 1 The Sustainable Offworld Network (SONet)
1:30 PM	TE-2 Tellez and unger: BioColchon Space Garden	AB-2 Marsh et al: Multinational Design of Mars Missions	P-2 Heisler: The Space Force & the Human exploration and settlement of Mars	Team 2 NAVARRO Remy
2:00 PM	TE-3 Toro et al: Aquaponics for food production on Mars	AB-3 Tymoszuk et al: Designing a rover for an analog mars mission	P-3 Harman: Liberty in Space: The Artemis Accords and the Rule of Law	Team 3 Southern Cross Innovations
2:30 PM	TE-4 Rodriguez at al: Mead, as a drink for colonies on Mars	AB-4 Staats et al: High Fidelity Mars habitat simulation	P-4 Gilley: The Artemis Accords; Impacts on Martian Constitutions	Team 4 Space Generation Advisory Council
3:00 PM	TE-5 Colorado et al: Bakery for Mars colonies based on microalgae	AB-5 Rezende et al: Space analog virtual training	P-5 Kulu: Factories in Space	Team 5 Korolev Crater SAR
3:30 PM	TE-6 You and Zottola: Reducing Percholates in Martian Soil	AB-6 Romero et al: Construction of namoga research station in the Nambia desert	P-6 Hague: a metric of solar system development	Team 6 Dr Muhammad Akbar Hussain
4:00 PM	TE-7 Nadeem et al: Proliferation and Survival Analysis of Rhizosphere Soil Bacteria in Mars Soil	AB-7 Romero et al: African participation in solar system exploration	P-7 Chairetis: All space to all	Team 7 Paul Meillon
4:30 PM	TE-8 Gardiner and Isenberg: Comets at Mars	AB-8 Secosky: Marspedia's Mars Atlas: Your gateway to Mars	P-8 Lebedev: Space coilgun: A highway to Mars	Team 8 Phlegra Prime
5:00 PM	Break / Dinner Hour (5pm - 6pm)			Team 9 Tharsians@USCViterbi
5:30 PM				Team 10 Nexus Aurora
Virtual Banquet				
6:00 PM				
6:30 PM	Oscar Castellino .- We're halfway to Mars and other music			
7:00 PM	Carter Emmart - Mars Multimedia			
7:30 PM	Dr. Alan Stern - New Horizons: The Farthest Exploration of Worlds			
8:00 PM				
8:30 PM	Dr. Robert Zubrin - Awards and Remarks			
9:00 PM				

