

7:30-8:00	Registration & Breakfast <i>Alamo Ballroom</i>				
8:00-8:45	Welcome & Keynote Speaker -- Topic: The Orion Project <i>Alamo Ballroom</i>				
	Discovery: Session A-1	Longhorn: Session A-2	Lone Star: Session A-3	Coronado: Session A-4	Brazos: Session A-5
	<i>Theme-GN&C</i>	<i>Theme- Space Exploration</i>	<i>Theme- Astrodynamics</i>	<i>Human Exploration Spacecraft Testbed for Integration & Advancement</i>	Career Development Hosted by EMERGE
8:50-9:15	Ground-Based Navigation and Dispersion Analysis for Orion EM-1	What Makes a Spacefaring Nation?		8:50-9:15 HESTIA: Testbed for Exploration	
9:20-9:45	Orion Entry Monitor	Orion EFT-1 Post-Flight MMOD Inspection and Analysis	Wings for a Stellar "Jay" - Design Analysis Proceeding from Flight Paths	9:20-9:35 Human in the Loop Ground Test - Value, History, and Future	
9:50-10:15	Predictive Lateral Logic for Numerical Entry Guidance Algorithms	Reducing Edney Type-IV Shock-On-Lip Heating Via Leading Edge Shape Optimization	Hyperbolic Rendezvous at Mars: Risk Assessments and Mitigation Strategies	9:35-9:55 HESTIA Support for Future NASA Deep-Space Missions	
10:15-10:25	10 Minute Break				
	Discovery: Session B-1	Longhorn: Session B-2	Lone Star: Session B-3	Coronado: Session B-4	Brazos: Session B-5
	<i>Theme-GN&C + In-Space Imaging</i>	<i>Theme- Space Exploration</i>	<i>Theme- Astrodynamics + Systems Engineering</i>	<i>Human Exploration Spacecraft Testbed for Integration & Advancement</i>	Career Development Hosted by EMERGE
10:25-10:50	Lunar Entry Downmode Options for Orion	Basics of Atomic Hot Air Balloons for Planetary Exploration	Analytic Continuation Solution for the Perturbed Two-Body Problem	10:25-10:50 Integrated Power and Propulsion	
10:55-11:20	Orbital Element Continuous Thrust Maneuvers Using Modified Chebyshev Picard Iteration	Flocks of Mass Produced Propulsion Units as an Interplanetary Mission Cost Saving Technology		10:55-11:20 CIF Propulsion	
11:25-11:50	On-orbit Clearance Assessment of External Coolant Line to HTV5 Port Thruster Nozzle	Feasibility of Transferring On-Orbit Components of the International Space Station for Solar System Exploration	Overview of NASA/SP-2015-3709, Human Systems Integration Practitioner's Guide	11:25-11:50 Solid Oxide Fuel Cell	
12:00-1:30	Mars Exploration Scenario Luncheon Panel <i>Alamo Ballroom</i>				
	Discovery: Session C-1	Longhorn: Session C-2	Lone Star: Session C-3	Coronado: Session C-4	Alamo Ballroom Engineers as Educators Workshop (2pm-5pm)
		<i>Theme-Climate Change + EVA</i>	<i>Theme- Systems Engineering</i>	<i>Human Exploration Spacecraft Testbed for Integration & Advancement</i>	
1:35-2:00	GLASS/ Maritime Awareness – Experiences and Lessons Learned from Developing and Manifesting an Applied Research Project on ISS	Refocusing Air Climate and Energy Policy for Cooler Cleaner Air	NASA Quantitative Risk Assessment Applied to the Oil & Gas Industry	ISRU: Steam Methane Reformer	
2:05-2:30	Architecture for Mitigating Short-Term Warning Cosmic Threats: READI Project	Hypoxia in Space? What the Past tells us for the Future...	Internet of Things at NASA	ISRU: Liquefaction	
2:35-3:00		Finding Solutions to NASA's SpaceSuit Water Intrusions during EVA		ISRU: Cryogenic EVA	
3:05-3:30				ISRU: Commodities Pallet	
3:35-4:00				Modeling and Simulation	
4:00-5:00					