

## Pre-conference Workshops

Monday, **May 20**

10:00 Alan G. Dunn	Prioritizing Manufacturing 4.0 Investments and Implementations	Dr. John Brophy	The Future of Electric Propulsion: A Deep Dive into a Promising Propulsion Technology
12:30	Lunch Break		
13:45 Stephen J. Rogers	Going Beyond the Buzz: Blockchain Technology Bootcamp	Dr. Rick Hefner	Systems Thinking: A Holistic Application to Space Systems
16:30	VIP Reception in Exhibition Hall		

## Conference: Creators, Cultivators & Collaborators

Tuesday, **May 21**

### Open Tech Forum - Day One

08:30	Welcome Remarks		
09:10 Jim Bridenstine	Keynote: NASA	09:15	Opening of Free Sessions Day One
09:40 Eric Stallmer	Keynote: Commercial Spaceflight Federation	09:25 Chris Johnson	Optimized Pneumatic Test Assemblies for Qualification and Production Testing
10:00 Ellen Chang	Pushing the Pedal to the Metal: Accelerating Innovative Technology Development Through Creative Partnerships and Business Models	09:45 Steven Kochevar	The Importance Contamination Monitoring in Aerospace Facilities
11:00	Coffee Break in the Foyer	10:45	Break for Exhibition Visit
11:30 Sima Fishman	Adapting to New Opportunities in the Launch Vehicle Industry: Outlining the Importance of Lowering Cost and Improving Flexibility	11:00 Zack Meyer	Multi-zone Thermal Data Acquisition and Control System for Satellite Environmental Testing
12:30	Lunch Break	11:20 Leah Raffaeli	Optimization of Multidisciplinary Analyses and System Models to Achieve Cost-Effectiveness and Sustainability
13:30 Barry Matsumori	Ensuring Satellite Resiliency with New Communication Systems: From Laser to High-Frequency	11:40 Benjamin Shank	Exploring the Limits of Mid-Field Pyroshock on Electrodynamic Shakers
14:15 Joseph D. Anderson	Satellite Servicing Round-up: Technology Updates and Developments Ahead of the 2020s Missions	12:40	Lunch Break
14:45	Afternoon Break for Refreshments, Exhibition Visit and Networking	13:40 Adam Sharif	TDR Resolution & Discrete Logic Drivers? Rise Time for Testing Interconnects
15:15 Mike French	Spurring Investment, Cooperation and Advanced Technologies to Ensure LEO Commercialization in the Next Decade	14:00 Brian Mathewson	Expanding Microchip Development for Modern Satellites into New Dimensions
16:30	End of Space Tech Conference Day 1 – Drinks Reception in the Exhibition Hall Until 6:00PM	14:20 Jocelyn Lauzon	Demonstrating COTS Optical Fiber Transceivers for Intra-Satellite High-Speed Communications
		15:00	Afternoon Break for Exhibition Visit
		15:15 Jonathan Sauder	Architecting a Game Changing Antenna from Prototype to Flight for the RainCube Mission: A Technology Infusion Story
		15:35 Gerard Obiols-Rabasa	Lean Design and Manufacturing of Pyrolytic Graphite Thermal Flexible Links for Space Applications
		15:55 Francois Degryse	Adapting Low Shock Pyrotechnic Nuts to New Market Needs
		16:15 Cameron Holmes	Which is it? Pressure Relief or Pressure Activation Devices?
		16:35	Close of Open Tech Forum Day One - Networking Reception in the Exhibition Hall until 6:00PM

## Conference: Future Mission Enablers

Wednesday, **May 22**

### Open Tech Forum - Day Two

08:30	Welcome Remarks		
08:45 Jeff Thornburg	Expanding Space Capabilities by Developing and Selecting Advanced Propulsion Systems for Next-Gen Applications	09:15	Opening of Free Sessions Day Two
10:00	Coffee Break in the Foyer	09:25 Karan Talati	Building an Agile Culture in Aerospace Manufacturing
10:30 Dave Barnhart	Optimizing Mission Agility with Autonomous Systems: The Benefits and Challenges of Implementing Artificial Intelligence	10:05 William Durov	How to Get Predictive Results and Drive Continuous Improvements for Space and Aerospace Component Manufacturing
12:15	Lunch Break	10:45	Break for Exhibition Visit, Networking and Refreshments
13:15 Don Pedersen	Designing the Factory of the Future: Implementing Digital Transformation in the Space System Manufacturing Value Chain to Optimize Efficiency	12:00 Scott Killian	Additive Manufacturing for Space Applications? How AM is Making an Impact on the Satellite and Rocket Industry
14:30	Afternoon Break for Refreshments, Exhibition Visit and Networking	12:20 Rodney Rusk	Outlining Key Features for a Successful Digital Transformation
14:45 Dr. Mohsen Seifi	Taking Additive Manufacturing to the Next Level: Ensuring Quality Control for Future Spaceflight	12:40	Lunch Break
16:00	End of Space Tech Expo Conference 2019	13:40 Stefan Lausberg	Pushing Forward Electric Propulsion by Utilizing Innovative Vacuum and Cryo Technology
		14:00 Scott Schick	Enabling High Performance Small Satellite Missions with Advanced Thermal Technologies
		14:40	Break for Exhibition Visit, Networking and Refreshments
		14:55 Susan Pasko Heuchert	Keys to Subcontracting Space Hardware with JPL
		15:55	Close of Open Tech Forum Day Two and Close of Space Tech Expo 2019