



**CENTER OF EXCELLENCE**  
for  
**COMMERCIAL SPACE TRANSPORTATION**  
**ANNUAL TECHNICAL MEETING**  
**October 11, 2016**



<b>Start Time</b>	<b>Tuesday, October 11th</b>
7:30 AM	<b>REGISTRATION</b> <i>Hotel Encanto de Las Cruces, San Rafael Ballroom</i> <i>(Breakfast Included in Registration)</i>
7:45 AM	
8:00 AM	
8:15 AM	
8:30 AM	<b>ATM6 OPENING</b> , Dr. James M. Vanderploeg, MD, COE CST Exec Director, UTMB
8:45 AM	<b>FAA COE PROGRAM OVERVIEW</b> , Dr. Patricia Watts, FAA COE National Program Director
9:00 AM	<b>COE CST YEAR 6 STATUS</b> , Ken Davidian, FAA AST
9:15 AM	<b><u>INDUSTRY VIABILITY PANEL</u></b> <b>Moderator:</b> Dr. Tristan Fiedler, FIT
9:30 AM	<b>Panelists:</b> • Mr. Brad Cheetham ( <i>Task 193-CU, ESIL Workshops</i> ) • Bailey Reichelt, Esq ( <i>Task 305-FIT, Suborbital Industry Analysis</i> )
9:45 AM	• Aram Kerkonian ( <i>Task 304-MU/FIT Legal Issues on Cross-Border Suborbital Flights - Affiliate Task</i> )
10:00 AM	<i>Sponsored Break</i>
10:15 AM	
10:30 AM	<b><u>HUMAN SPACEFLIGHT RESEARCH PANEL</u></b> <b>Moderator:</b> Dr. Jim Vanderploeg, UTMB
10:45 AM	<b>Panelists:</b> • Dr. David Klaus ( <i>Task 320-CU, Commercial Spaceflight Risk Assessment and Communication</i> ) • Dr. Guy Boy ( <i>Task 333-FIT, Onboard Context-Sensitive Info System</i> )
11:00 AM	• Dr. Rebecca Blue ( <i>Task 308-UTMB, Suborbital SFP Anxiety Assessment</i> ) • Dr. Tarah Castleberry ( <i>Task 309-UTMB, Suborbital Pilot Training Assessment</i> )
11:15 AM	• Dr. Charles Mathers ( <i>Task 310-UTMB, Increasing Cabin Survivability in Commercial Spacecraft</i> )
11:30 AM	
11:45 AM	
12:00 PM	<i>Sponsored Lunch</i>
12:15 PM	
12:30 PM	
12:45 PM	
1:00 PM	
1:00 PM	<b><u>SPACE TRAFFIC MANAGEMENT PANEL</u></b> <b>Moderator:</b> Dr. Juan Alonso, Stanford
1:15 PM	<b>Panelists:</b> • Dr. Tim Fuller-Rowell ( <i>Task 186-CU, Mitigate Threats Through Space Environment Modeling and Prediction</i> )
1:30 PM	• Dr. Sigrid Close ( <i>Task 186-SU, Space Environment Modeling Prediction</i> ) • Dr. Dan Scheeres ( <i>Task 187-CU, Space Situational Awareness</i> )
1:45 PM	• Dr. Norman Fitz-Coy ( <i>Task 319-UF, Debrisat</i> ) • Dr. Juan Alonso ( <i>Task 331-SU, Advanced 4D Special Use Airspace Research</i> )
2:00 PM	• Dr. Chris Draper ( <i>Affiliate Task 332-SIM Defining Class X Air Space</i> ) • Dr. Zheng Tao ( <i>MITRE - Associate Task</i> )
2:15 PM	• Mr. Brian Barnett ( <i>Affiliate Task 307-SSC/NMSU COTS Satellite Communications</i> ) • Dr. Richard Stansbury ( <i>Affiliate Task 306-ERAU/NMSU Advanced ADS-B Prototypes</i> )
2:30 PM	
2:45 PM	
3:00 PM	<b>Wayne Hale</b> Consultant, NASA (Ret.), Consultant, Special Aerospace Services
3:15 PM	<i>Sponsored Break</i>
3:30 PM	<b><u>TECHNOLOGY PANEL</u></b> <b>Moderator:</b> Dr. Andrei Zagrai, NMT
3:45 PM	<b>Panelists:</b> • Dr. Billy Oates ( <i>Task 241-FSU, High Temperature, Optical Sapphire Pressure Sensors</i> ) • Dr. Rajan Kumar ( <i>Task 325-FSU, Optical Measurements of Rocket Nozzle Thrust and Noise</i> )
4:00 PM	• Dr. Bin Lim ( <i>Task 299-NMT, Nitrous Oxide Composite Tank Testing</i> ) • Dr. Andrei Zagrai ( <i>Task 323-NMT, Structural Health Monitoring Framework</i> )
4:15 PM	• Dr. Subit Vasu ( <i>Task 311-UCF, Robust and Low-Cost LED Absorption Sensor</i> ) • Dr. Eileen Ryan ( <i>Task 329-NMT, Tracking and Monitoring Suborbital Commercial Space Vehicles</i> )
4:30 PM	
4:45 PM	
5:00 PM	<b><u>CLOSING REMARKS</u></b>
5:15 PM	Dr. Jim Vanderploeg, <i>et al.</i>
5:30 PM	<b>ADJOURN</b>