

CENTER OF EXCELLENCE FOR COMMERCIAL SPACE TRANSPORTATION



7TH ANNUAL TECHNICAL MEETING (COE CST ATM7)



Tuesday, October 10, 2017
Hotel Encanto, Las Cruces, NM

DRAFT MORNING PROGRAM

<i>Start</i>	<i>Agenda Item</i>	
7:30AM	<i>Meeting Registration and Breakfast</i> <i>Hotel Encanto de Las Cruces, San Rafael Ballroom</i>	
8:30AM	<i>ATM7 OPENING</i> <ul style="list-style-type: none"> • Dr. James M. Vanderploeg, MD, COE CST Exec Director <i>FAA COE PROGRAM OVERVIEW</i> <ul style="list-style-type: none"> • Dr. Patricia Watts, FAA COE National Director <i>COE CST YEAR 7 STATUS</i> <ul style="list-style-type: none"> • Ken Davidian, FAA AST 	
9:15AM	<i>INDUSTRY VIABILITY PANEL</i>	
	<u>Moderator</u> <ul style="list-style-type: none"> • Dr. Guy Boy, FIT 	<u>Panelist (list of possible panelists)</u> <ul style="list-style-type: none"> • Mr. Brad Cheetham (193-CU, ESIL Workshops) • Dr. Scott Benjamin (305-FIT, Suborbital Industry Analysis) • Dr. Ram Jakhu/Aram Kerkonian (304-MU/FIT Insurers as Regulators - Affiliate Task)
10:00A M	<i>Sponsored Break</i>	
10:30A M	<i>HUMAN SPACEFLIGHT RESEARCH PANEL</i>	
	<u>Moderator</u> <ul style="list-style-type: none"> • Dr. Dave Klaus, CU 	<u>Panelists (list of possible panelists)</u> <ul style="list-style-type: none"> • Dr. David Klaus (320-CU, Commercial Spaceflight Risk Assessment) • Dr. Guy Boy (333-FIT, Onboard Context-Sensitive Info System) • Dr. Jim Vanderploeg (308-UTMB, Suborbital SFP Anxiety Assessment) • Dr. Tarah Castleberry (309-UTMB, Suborbital Pilot Training) • Dr. Charles Mathers (310-UTMB, Increasing Cabin Survivability) <u>Future Work</u> <ul style="list-style-type: none"> • Dr. David Klaus (353-CU, Human Factors - Vehicle Design Focus) • Dr. Guy Boy (353-FIT, Human Factors - Systems Integration Focus) • Dr. Jim Vanderploeg (353-BCM, Human Factors - Physiological Focus)
12:00PM	<i>Sponsored Lunch</i>	

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DRAFT AFTERNOON PROGRAM

<i>Start</i>	<i>Agenda Item</i>	
1:00PM	<i>SPACE TRAFFIC MANAGEMENT PANEL</i>	
	<p><u>Moderator</u></p> <ul style="list-style-type: none"> ● Dr. Juan Alonso, Stanford 	<p><u>Panelists (list of possible panelists)</u></p> <ul style="list-style-type: none"> ● Dr. Sigrid Close (186-SU, Probabilistic Debris Model Development) ● Dr. Dan Scheeres (187-CU, Space Situational Awareness) ● Dr. Mykel Kochenderfer (331-SU, Advanced 4D Special Use Airspace) ● Dr. Norman Fitz-Coy (319-UF, DebrisSat) ● Dr. Zheng Tao (MITRE Associate Task) <p><u>Future Work</u></p> <ul style="list-style-type: none"> ● Dr. Moriba Jah (371-NMSU/UT Austin Space Object Database) ● Dr. Tim Fuller-Rowell (186-CU, Whole Atmosphere Model Development) ● Dr. Penina Axelrad, (367-CU, CubeSat Deployment Tracking) ● Dr. Brian Kopp, (Affiliate 359-NMSU/UNF LEO to GEO Relaying Data)
3:00PM	<i>Sponsored Break - (Mike Moses, Speaker)</i>	
3:30PM	<i>TECHNOLOGY PANEL</i>	
	<p><u>Moderator</u></p> <ul style="list-style-type: none"> ● Dr. Subith Vasu, UCF 	<p><u>Panelists (list of possible panelists)</u></p> <ul style="list-style-type: none"> ● Dr. Rajan Kumar (325-FSU, Optical Measurements of Rocket Thrust) ● Dr. Bin Lim (299-NMT, Nitrous Oxide Composite Tank Testing) ● Dr. Andrei Zagrai (323-NMT, Structural Health Monitoring Framework) ● Dr. Subith Vasu (311-UCF, LED Absorption Sensor) ● Drs. Jan Gou & Jay Kapat (253-Composite TPS Material) ● Mr. Brian Barnett (Affiliate 307-SSC/NMSU COTS Satellite Comms) ● Dr. Richard Stansbury (Affiliate 306-ERAU/NMSU Advanced ADS-B) ● Mr. Sven Kaltenhaeuser (Task name goes here) <p><u>Future Work</u></p> <ul style="list-style-type: none"> ● Dr. Billy Oates (241-FSU, High Temperature, Optical Sapphire Pressure Sensors)
5:30PM	<i>CLOSING REMARKS</i>	
	<ul style="list-style-type: none"> ● Dr. Jim Vanderploeg, et al. 	
5:45PM	<i>Adjourn</i>	