

| Day 1: Tuesday, October 29, 2013 |   |
|----------------------------------|---|
| 8:00 AM                          | <p align="center"><b>Registration &amp; Breakfast</b><br/>Hyatt Regency Capitol Rooms A &amp; B - Lobby Level<br/>(Breakfast Included in your Registration)</p>   |
| 8:15 AM                          |   |
| 8:30 AM                          |   |
| 8:45 AM                          |   |
| 9:00 AM                          | <p align="center"><b>OPENING REMARKS</b><br/>WELCOME (K. Davidian, FAA AST)<br/>FAA OPENING KEYNOTE SPEAKER (G. Nield, FAA AST)<br/>NASA OPENING SPEAKER (F. Chandler, NASA HQ OCT)</p>   |
| 9:15 AM                          | <p align="center"><b>PROGRAMMATIC OVERVIEWS</b><br/>- FAA COE Welcome &amp; Overview (P. Watts, FAA COE)<br/>- COE CST Status Report (K. Davidian, FAA AST)</p>   |
| 9:30 AM                          |   |
| 9:45 AM                          |   |
| 10:00 AM                         | <p align="center"><b>Keynote Speaker Congressman Bill Posey</b></p>   |
| 10:15 AM                         | <p align="center"><b>Networking Break</b></p>   |
| 10:30 AM                         |   |
| 10:45 AM                         |   |
| 11:00 AM                         | <p align="center"><b>COE CST AFFILIATE AND ASSOCIATE MEMBERS</b><br/>- Overview (K. Davidian), McGill (Y. Nyampong), NASTAR (B. Henwood), ERAU (M. Hickey), DLR (J. Drescher).<br/>- Not in attendance: SatWest (B. Barnett), UN Lincoln (M. Schaeffer), NASA ARC (M. Dudley)</p>   |
| 11:15 AM                         | <p align="center"><b>Lunch</b><br/>Hyatt Regency Capitol Room A, (Lunch Included in your Registration)</p>  |
| 11:30 AM                         |   |
| 11:45 AM                         |   |
| 12:00 PM                         |   |
| 12:15 PM                         | <p align="center"><b>Keynote Speaker: Joseph Rothenberg</b><br/>(Chairman CESTAC/JHR Consulting)</p>  |
| 12:30 PM                         |   |
| 12:45 PM                         |   |
| 1:00 PM                          | <p align="center"><b>1a: SPACE TRAFFIC MANAGEMENT AND OPERATIONS</b><br/>186. Space Env MMOD Modeling &amp; Prediction (SU-Close), (CU-Fuller-Rowell)</p>   |
| 1:15 PM                          | <p align="center"><b>1b: SPACE TRAFFIC MANAGEMENT AND OPERATIONS</b><br/>185. Unified 4D Trajectory (SU-Alonso)<br/>258. Multi-disc Analysis of Safety Metrics (SU-Alonso)<br/>247. Air &amp; Space Traffic Considerations for CST (FIT-Villaire)</p>   |
| 1:30 PM                          |   |
| 1:45 PM                          |   |
| 2:00 PM                          | <p align="center"><b>1c: SPACE TRAFFIC MANAGEMENT AND OPERATIONS</b><br/>257: Master's Launch &amp; On-Orbit Ops Class (Cheetham)<br/>187. Space Situational Awareness (CU-Scheeres)<br/>220: Space Operational Framework (NMSU-Hynes)</p>  |
| 2:15 PM                          | <p align="center"><b>Networking Break</b></p>   |
| 2:30 PM                          |   |
| 2:45 PM                          |   |
| 3:00 PM                          |   |
| 3:15 PM                          | <p align="center"><b>2a: SPACE TRANSPORTATION OPS. TECH &amp; PAYLOADS</b><br/>228. Magneto-Elastic Sensing for SHM (NMT-Zagrai, Ostergren)<br/>253. Ultra High Temp Composites (UCF-Gou, Kapat)<br/>293. Reduced Order Non-Linear Dynamic System Models (NMT-Miller)</p>   |
| 3:30 PM                          |   |
| 3:45 PM                          |   |
| 4:00 PM                          | <p align="center"><b>2b: SPACE TRANSPORTATION OPS. TECH &amp; PAYLOADS</b><br/>241. High Temp Pressure Transducers (UF-Sheplak), (FSU-Oates)<br/>298: Integration &amp; Evaluation of Payloads (NMSU-Hynes)<br/>299: Nitrous Oxide Composite Tank Testing (NMT-Ostergren, Dr. Robert Abernathy and Dr. Michael Hargather)</p> |
| 4:15 PM                          | <p align="center"><b>Adjournment</b></p>  |
| 4:30 PM                          |   |
| 4:45 PM                          |   |
| 5:00 PM                          |   |
| 5:15 PM                          |   |

| Day 2: Wednesday, October 30, 2013 |   |
|------------------------------------|---|
| 8:00 AM                            | <p align="center"><b>Registration &amp; Breakfast</b><br/> <i>Hyatt Regency Capitol Rooms A &amp; B - Lobby Level</i><br/> <i>(Breakfast Included in your Registration)</i></p>   |
| 8:15 AM                            |   |
| 8:30 AM                            |   |
| 8:45 AM                            |   |
| 9:00 AM                            | <b>DAY 2 OPENING REMARKS</b>  |
| 9:15 AM                            | <p align="center"><b>3: HUMAN SPACEFLIGHT RESEARCH</b></p> <p>184. <i>Comm'l Spacecraft Human Rating (CU-Klaus)</i><br/> 255. <i>Wearable Biomedical Equip (UTMB-Castleberry)</i><br/> 256. <i>Centrifuge Testing (UTMB-Vanderploeg)</i><br/> 294. <i>Minor Injury Severity Scale (UTMB-Castleberry)</i><br/> 295. <i>EMF Effects on Implantable Devices (UTMB-Vanderploeg)</i></p> |
| 9:30 AM                            |   |
| 9:45 AM                            |   |
| 10:00 AM                           |   |
| 10:15 AM                           |   |
| 10:30 AM                           | <p align="center"><b>Networking Break</b></p>   |
| 10:45 AM                           |   |
| 11:00 AM                           | <p align="center"><b>2c: SPACE TRANSPORTATION OPS, TECH &amp; PAYLOADS</b></p> <p>244. <i>Autonomous RDV &amp; Docking for Space Debris Mitigation (UF-Fitz-Coy), (FSU-Collins), (SU-Rock), (CU-Axelrad)</i></p>  |
| 11:15 AM                           |   |
| 11:30 AM                           |   |
| 11:45 AM                           |   |
| 12:00 PM                           | <p align="center"><b>Lunch</b></p> <p><i>Hyatt Regency Capitol Room A, (Lunch Included in your Registration)</i></p>  |
| 12:15 PM                           |   |
| 12:30 PM                           | <p align="center"><b>Keynote Speaker: Dr. T. Dwayne McCay</b></p> <p><i>(Executive VP-COO, Florida Institute of Technology)</i></p>   |
| 12:45 PM                           |   |
| 1:00 PM                            | <p align="center"><b>4: SPACE TRANSPORTATION INDUSTRY VIABILITY</b></p> <p>193. <i>Role of COE CST in EFP (SU-Hubbard), (CU-Born)</i></p>   |
| 1:15 PM                            |   |
| 1:30 PM                            | <p align="center"><b>Parallel Sessions</b></p> <p align="center"><b>Allied Organization Presentations</b><br/> <b>and CESTAC Closed Meeting</b></p>   |
| 1:45 PM                            |   |
| 2:00 PM                            |   |
| 2:15 PM                            |   |
| 2:30 PM                            |   |
| 2:45 PM                            |   |
| 3:00 PM                            | <p align="center"><b>Networking Break</b></p>   |
| 3:15 PM                            |   |
| 3:30 PM                            | <p align="center"><b>CESTAC OUTBRIEF</b></p> <p align="center"><i>- Joe Rothenberg (CESTAC)</i></p> <p align="center"><b>CLOSING KEYNOTE</b></p> <p align="center"><b>Mike Gold (Bigelow Aerospace/COMSTAC)</b></p> <p align="center"><b>CLOSING REMARKS</b></p> <p align="center"><i>- P. Watts (FAA COE), K. Davidian (FAA AST), T. Fiedler (FIT)</i></p>                         |
| 3:45 PM                            |   |
| 4:00 PM                            |   |
| 4:15 PM                            |   |
| 4:30 PM                            |   |
| 4:45 PM                            |   |