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**Payload Accommodations, Suborbital Technologies,
and Technology Testing (Part II)**
Wednesday, June 5, 2013
8:30 am - 10:00 am | Room B

Co-Chair: Dr. Constantine Tsang, Research Scientist, Southwest Research Institute Co-Chair: Mr. Charlie Walker, Commercial Industry Astronaut (ret.)	
Time	Title and Author(s)
8:30 am - 8:45 am	<u>Progress on the Multi-Phase Flow Experiment for Suborbital Testing</u> <i>Hurlbert K.M., Marak R., Kurwitz R.C., Ellis M.</i>
8:45 am - 9:00 am	<u>Suborbital Flight Preparation of the Pistonless Pump Technology Demonstrator</u> <i>Starkey R., Cannella M. Brendel J. Harrington S.</i>
9:00 am - 9:15 am	<u>Structural Condition Assessment during High Altitude Stratospheric Balloon Flight</u> <i>Zagrai A. et al.</i>
9:15 am - 9:30 am	<u>HiMARC Fluid Lensing - Using Fluid Perturbations as Optical Lens Elements</u> <i>Chirayath V.</i>
9:30 am - 9:45 am	<u>True Commercial Method to Test Combined Environments on Spacecraft Launch Systems and Payloads to Reduce Mass, Cost and Mission Risk</u> <i>Kang J., Yoel D., Henwood B.L.*</i>
9:45 am - 10:00 am	<u>Reduced-Order Nonlinear Structural Models</u> <i>Miller A.K., Mendoza J.</i>