

Topic	Title and Author(s)
Astrophysics and Solar Physics	<u>Suborbital Demonstrations of Starshades</u> <i>Harness A., Webster C., Shipley A.</i>
Atmospheric, Ionospheric & Aeronomical Sciences	<u>A Micro-Balloon for University-based Atmospheric Observatory in Near Space</u> <i>Lin Y.</i>
Atmospheric, Ionospheric & Aeronomical Sciences	<u>The PoSSUM Mesospheric Winds Experiment</u> <i>Larsen M., Reimuller J.D.</i>
Atmospheric, Ionospheric & Aeronomical Sciences	<u>Balloon Borne Instrument for Daytime Thermospheric Wind Observation</u> <i>Wu, Q.</i>
Education and Public Outreach	<u>Updates on the Purdue Sub-Orbital Student Experiment Program for 2013</u> <i>Collicott S.H.</i>
Education and Public Outreach	<u>A solution for space experiments in Schools?</u> <i>Belem M.</i>
Education and Public Outreach	<u>An Alternative Approach to Suborbital Astronaut Training</u> <i>Seedhouse E.</i>
Education and Public Outreach	<u>Open Source Capstone Project to Cultivate Student STEM Innovators</u> <i>Smith S., Mains R., Emery K.</i>
Life Sciences	<u>Symptom-Free in Zero-G? A Portable Technology for Rapid, Multi-System Assessment and the Potential for Predicting Inflight Performance</u> <i>Beaton K.H., Schubert M.C., Shelhamer M.</i>
Life Sciences	<u>Fit for Flight: Fitness & Medical Screening in Commercial Spaceflight Tourism</u> <i>Guined J.R., Buxton R.E.</i>
Life Sciences	<u>Bridging the Gap: The Role of the Fitness Professional in the Commercial Spaceflight Industry</u> <i>Guined J.R., Buxton R.E.</i>
Markets, Policy, Training and Other	<u>Towed-Glider Air Launch Status Update</u> <i>Budd G.</i>
Markets, Policy, Training and Other	<u>Astronauts4Hire: Empowering Suborbital Research</u> <i>Shiro B., Reimuller J.</i>
Markets, Policy, Training and Other	<u>Commercial Jet Training in Preparation for Suborbital Spaceflights: Public Service Information</u> <i>Tsang C.C.C., Conrad C., Durda D., Olkin C.A., Stern S.A.</i>
Microgravity Sciences	<u>Zero-gravity Fuel Gauging Using Modal Analysis</u> <i>Crosby K., Werlink R., Mather S., Lubick K.</i>
Microgravity Sciences	<u>Microbang: An Experiment to Observe the Gentle Collisions of Dust Particles in Microgravity</u> <i>Hoover B., Colwell J.E., Dove A., Howard J., Cannon R., Nagler H.</i>
Payload Accommodation, Suborbital Technologies and Technology Testing	<u>The Atsa 1 Camera: Current Status</u> <i>Boodee R., Barrett D., Rhodes T., Sollitt L.S., Vilas F.</i>
Payload Accommodation, Suborbital Technologies and Technology Testing	<u>Payload Isolation for Microgravity Research on sRLVs</u> <i>Green S.A.</i>
Payload Accommodation, Suborbital Technologies and Technology Testing	<u>Atsa Suborbital Telescope Control Box</u> <i>Rhodes C.T.</i>
Planetary Science	<u>Microgravity Testing and Deployment of a Pico-Scale Satellite Dust Detector</u> <i>Bradley E.T., Xu, Y., Colwell J.E.</i>