The purpose of this project was to support a collaboration between Virginia Tech and NASA's Johnson Space Center (JSC) in the spring of 2013 and spring of 2014. The collaboration involved student projects in the area of intelligent textiles and wearable technologies for space flight. Staff at JSC specified project topics for the students. Examples of projects include visualizing the shape of inflatable structures, creating a space boot controller for a jet pack, developing crew clothing that could be reconfigured during long missions, and creating a noise-canceling vest for use on the space station. In both years, the students and faculty traveled to JSC for a one-day symposium in April, where the students presented their concepts and prototypes, discussed the projects with their NASA mentors, attended presentations about related work at Johnson Space Center and toured the facilities. Virginia Tech was one of only a few schools from around the country invited to participate in the projects. In both years, funding for the Virginia Tech projects was provided by the Virginia Space Grant Consortium and ICAT.

**Participants:** Tom Martin; Virginia Tech students

**Type:** Intelligent textiles, wearable technologies, space flight, student collaboration

**Date:** Spring 2013, Spring 2014