

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Space Culture – Public Engagement in Space through Culture (9)

Author: Mr. Taichi Yamazaki  
ASTRAX, Inc., Japan, taichi.yamazaki@astrax.space

Ms. Taiko Kawakami  
ASTRAX, Inc., Japan, taiko.kawakami@astrax.space

POSSIBILITY OF ZERO-GRAVITY FLIGHT AND SPACE FLIGHT BY PEOPLE WITH  
DISABILITIES**Abstract**

Zero-gravity flight services are offered in several countries around the world, including the U.S., Russia, France, and Japan, ASTRAX's zero-gravity flight services in Japan have included zero-gravity flights by people with disabilities. The experience and support technology of zero-gravity flights by people with disabilities will greatly expand the possibilities of space flight by people with disabilities in the future development of the commercial space travel era. ASTRAX will examine the issues and problems that need to be solved to expand the possibility of space travel by the general public, based on the information, experiences, and achievements of zero-gravity flights by the disabled in Japan and the disabled in other countries. By developing technologies to solve these problems, we are trying to pave the way for space travel in the environment of space, regardless of whether one is able-bodied or disabled. This paper introduces the possibilities of technological innovation derived from the realization of zero-gravity flight by people with disabilities.