

IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM (A2)
Microgravity Sciences on board of Space stations (6)

Author: Mrs. Guadalupe Zapata Castro
Instituto Politécnico Nacional, Mexico, lavittaesbela@gmail.com

Ms. Valery Pérez Avendaño
Instituto Politécnico Nacional, Mexico, vavenda.18@gmail.com

Mr. Abner Uriel Gómez García
Mexico, abner.gomezg@gmail.com

PROJECT DAEDALUS: REVIEW OF THE DESIGN FOR THE CHALLENGE ” A COMMON
RESTRAINT AND MOBILITY AID SYSTEM MULTIPLE GRAVITY ENVIROMENTS”

Abstract

Thinking about living in outer space implies an analysis of the conditions necessary for microgravity not to affect everyday actions or limit them. For this, we develop a model that fits the human being and helps the adaptation of their activities regardless of their environment. This work brings together the research and design that was carried out for the challenge cited by nasa and grabcad ” a common restraint and mobility aid system multiple gravity enviroments” and from which we obtained the first place for the project Daedalus, being notable terrestrial applications for helping people with disabilities and restricting mobility as a watershed for research to be applied.