



Dr Stephen K Robinson, Professor and Chair, UC Davis Department of Mechanical and Aerospace Engineering and Director, UC Davis Center for Human/Robotics/Vehicle Integration and Performance (and former NASA Astronaut), USA

Bio:

Before joining the faculty at UC Davis in 2012, Stephen Robinson spent 37 years at NASA, where he served as a research scientist, manager, engineer, and astronaut. Robinson now directs the UC Davis Center for Human/Robotic/Vehicle Integration and Performance, where students pursue research in: Human/Systems Engineering, Human Spaceflight, Aviation Safety, Human/Robotic Integration, and UAV applications. He also serves as Chair of the Mechanical and Aerospace Engineering Department.



As a NASA Astronaut, Dr. Robinson flew on four space shuttle missions, including three spacewalks, and has extensive expertise in spacecraft systems, operational safety, space robotics, aerodynamics, and fluid physics. He has received numerous awards, including NASA's highest honor, the Distinguished Service Medal. Robinson is a UC Davis alumnus in Mechanical and Aeronautical Engineering (B.S., 1978) and received his M.S. and Ph.D. in turbulence physics from Stanford University in Mechanical and Aero/Astro Engineering (1986, 1990).

Presentation Title:

Life and Science aboard the International Space Station

Abstract:

The International Space Station (ISS) is a unique, micro-gravity laboratory for multi-national collaborative research in a wide variety of fields, including materials, human physiology, plant biology, sensors, thermo-fluids, combustion, robotics, effects of long-duration human spaceflight, and Earth sciences. The presentation will describe the experience of traveling to and living on the ISS, the research facilities available in the lab, examples of current ISS research, and the near-future of human flight to Low-Earth Orbit.