IMPROVING EARLY ADAPTATION FOLLOWING LONG DURATION SPACE FLIGHT BY ENHANCING VESTIBULAR INFORMATION

Featuring Dr. Ajitkumar Mulavara
Universities Space Research Association (USRA)

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ABSTRACT
Dr. Mulavara will be talking about results from his functional task test that he has been measuring from astronauts returning from short and long duration space flight, and the integration of stochastic vestibular stimulation using concepts of stochastic resonance as a sensorimotor training modality.

ABOUT DR. MULAVARA
Dr. Mulavara, received his B.E. from the University of Mumbai, India in 1990 and his M.S. and Ph.D. from The University of Akron, OH, in 1993 and 1998 respectively. He continued his research in the Neuroscience Motion Laboratory at NASA, Johnson Space Center, as Assistant Professor at the National Space Biomedical Research Institute, Baylor College of Medicine in Houston, TX. He joined USRA in July 2006 as Senior Research Scientist in the Human Adaptation and Countermeasures Office Neuroscience Motion Laboratory. His research interests are in studying the effects of spaceflight on posture and locomotion control and development of countermeasures to mitigate these effects of adaptation to microgravity during short and long duration spaceflight; adaptive plasticity; clinical assessment of sensorimotor pathophysiology underlying movement disorders; the control and rehabilitation of human movement in activities of daily living.