

## **ISS and Human Research Project Office Highlights August 13, 2010**

### **ISS Research Program**

#### **CVB PI invited to present paper at AAS national conference.**

The Principal Investigator (PI) for the Constrained Vapor Bubble (CVB), Peter C. Wayner, Jr., Professor Emeritus (Active), Rensselaer Polytechnic Institute, has been invited by the ISS Program to present a paper at the American Astronautical Society (AAS) annual national conference this November 16-17, 2010. The theme of this year's conference is entitled, "ISS – The Next Decade". The focus of this year's conference will be on ISS utilization and research. This will be the 14<sup>th</sup> paper or conference presentation that has resulted from the on-going CVB experiment on the ISS. . (POC: MAH/Ronald Sicker, (216) 433-6498)

### **Human Research Program**

#### **GRC Project Leader attends multi-agency Medical and Performance Risk working group meeting.**

Dr. Jerry Myers attended the 2<sup>nd</sup> Face-to-Face meeting of the multi-agency Medical and Performance Risk working Group, held August 4<sup>th</sup> and 5<sup>th</sup>, 2010 at the US Coast Guard Headquarters in Washington DC. The working group includes members from the Federal Aviation Administration , the Nuclear Regulatory Commission, the U.S. Army Aeromedical Activity and standards team, the US Coast Guard and Merchant Marine Office of Chief Medical Officer and NASA. Dr. Myers represented the NASA Human Research program as expert in the medical event Probabilistic Risk Assessment (PRA) modeling and verification and validation of simulation models. The group is moving toward several data and model sharing/leveraging agreements to facilitate medical risk assessment and decision making processes across agencies. The next face-to-face meeting is scheduled for November 2010 in Houston, TX. (POC: MAH/Jerry Myers, (216) 433-2864)

#### **Data Collected for first sixteen test subjects in NSBRI Lunar Bone Health Study in ECL**

The Exercise Countermeasures Laboratory (ECL) research study on the "Monitoring Bone Health by Daily Load Stimulus Measurement during Lunar Mission," funded by the National Space Biomedical Research Institute (NSBRI), has reached an important milestone. Data collection for the first sixteen (16) test subjects has been completed and the Principal Investigator (Cavanagh, University of Washington) is currently conducting a power analysis to determine if additional data is needed to achieve the needed statistical significance, with a maximum of 30 subjects. (POC: DEV/Kelly Gilkey, (216) 433-3453, MAH/Gail Perusek, (216) 433-8729)