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INTERNATIONAL SPACE COOPERATION FOR PEACE
Interactive Hands-On Microgravity Scientific Experiments on the
International Space Station

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This paper will describe a novel program to utilize the International Space Station (ISS) as a hands-on educational tool through interactive microgravity science experiments, and as a unique means to achieve multicultural understanding toward global peace. The International Space Station is the ideal facility for people around the world to come together to accomplish both scientific and educational goals. The technical details of putting together a “turnkey” program for on-line interaction with the experiment (viewing data, etc.) will be presented. The paper will also describe the many steps involved in planning and performing a space experiment. The first Israeli-Palestinian cooperative space experiment, which was performed on the ill-fated STS-107 mission with the sponsorship of The Planetary Society, will be highlighted as a model for future international cooperation for experiments conducted on the ISS.