



AIAA/IIE Section Meeting
Co-sponsored by Hofstra's School of Engineering
and Applied Science

Tuesday, March 15, 2016

Ms. Kathy Laurini
NASA Senior Advisor, Exploration and Space Operations

"The Future of Human Space Exploration: Challenges and Opportunities"

Location: Student Center Theatre
Hofstra University North Campus
Hempstead, NY 11549

Time: 6:00 PM Social Time
7:00 PM Presentation

RESERVATIONS REQUESTED
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For more than fifty years, humans have explored space. Overcoming the challenges of space exploration has produced numerous innovations which have improved our quality of life. Space based services, such as communication, navigation and Earth observation services are the most visible. Yet, space exploration has contributed in other ways which benefit the human condition. The challenges of space exploration have sparked some of the best minds of each generation leading to anticipated and unanticipated scientific and technological discoveries improving clinical health care practices, water filtration and food production systems. The next 50 years will continue this legacy as space agencies of the world look to expand human presence into the solar system, with missions to Mars as the driving goal. This talk will share insights into NASA's planning for the future of human space exploration, including efforts to build the international partnerships which will make the Journey to Mars sustainable.

Kathy Laurini is a senior advisor within the International Space Station (ISS) Program and NASA HQ's Human Exploration and Operations Mission Directorate where she is a leader in the effort to develop and implement strategies and plans for international partnerships in space exploration. She leads several activities with international partners, including strategic efforts to lay foundations for future partnerships and tactical studies which lead to near-term partnerships. Ms. Laurini leads NASA engagement in the International Space Exploration Coordination Group (ISECG) and several ISECG activities, including the Global Exploration Roadmap.

Ms. Laurini previously served as the first Program Manager for the Human Research Program, as Project Manager for the Altair human lunar lander project, in leadership positions within the ISS Program, including positions within system engineering, payload integration and on-orbit operations management. She served as NASA's liaison to the European Space Agency from 1993-2002, and during that time she lead the overall integration of the European Automated Transfer Vehicle. She started her career at the Johnson Space Center as a Space Shuttle flight controller.

Directions: Take Meadowbrook Parkway Exit M4, west onto Hempstead Turnpike (Route 24). After about 1 mile, turn right into the Main North Campus entrance. Park in first or second lot on your left. Walk south towards Hempstead Tpke. to the Student Center. Inside, look for Student Center Theatre and/or AIAA signs. For directions and campus map: <http://www.hofstra.edu/directions>