

Michael Maloney is the director of the Space Studies Board and the Aeronautics and Space Engineering Board at the National Research Council of the National Academies. Since joining the NRC in 2001, Dr. Moloney has served as a study director at the National Materials Advisory Board, the Board on Physics and Astronomy (BPA), the Board on Manufacturing and Engineering Design, and the Center for Economic, Governance, and International Studies. In his time at the ASEP/SSB Dr. Moloney has overseen the production of more than 30 reports, including three decadal surveys—in planetary science, life and microgravity science, and solar and space physics, a prioritization of NASA space technology roadmaps, as well as reports on issues such as NASA’s Strategic Direction, orbital debris, the future of NASA’s astronaut corps, and NASA’s flight research program. Before joining the SSB and ASEP in 2010, Dr. Moloney was associate director of the BPA and study director for the decadal survey for astronomy and astrophysics (Astro2010). With 12 years’ experience at the NRC, Dr. Moloney has served as study director or senior staff for a series of reports on subject matters as varied as quantum physics, nanotechnology, cosmology, the operation of the nation’s helium reserve, new anti-counterfeiting technologies for currency, corrosion science, and nuclear fusion. In addition to his professional experience at the National Academies, Dr. Moloney has more than 7 years’ experience as a foreign-service officer for the Irish government—including serving at the Irish Embassy in Washington and the Irish Mission to the United Nations in New York. A physicist, Dr. Moloney did his Ph.D. work at Trinity College Dublin in Ireland. He received his undergraduate degree in experimental physics at University College Dublin, where he was awarded the Nevin Medal for Physics.

Kathy Laurini is a senior advisor within NASA HQ’s Human Exploration and Operations Mission Directorate where she is a leader in the development and implementation of strategies and plans for international partnerships in space exploration. She also supports International Space Station (ISS) Program efforts to use the ISS to prepare for exploration. Since 2005, Ms. Laurini has been involved in NASA’s human space exploration effort, including roles as Program Manager for the Human Research Program and Project Manager for the Altair human lunar lander project, a key element of the Constellation Program. Prior to this, she held leadership positions within the International Space Station Program, including positions within system engineering, payload integration and on-orbit operations management. She started her career at the Johnson Space Center as a Space Shuttle flight controller.

Cheryl Reed is a Program Manager for the Johns Hopkins University Applied Physics Laboratory (APL), Space Department and is also the Civil Space Program Development Manager. Since joining APL in 1985, Ms. Reed has held major program and project management roles for more than 20 national and international civilian and national security space programs. Current project assignments’ include NASA’s Robotic Lunar Lander (RLL) (which recently received the NASA Silver Achievement Medal), the Marco Polo-R Asteroid Sample Return Study, and is the NASA Technical Consulting Team Lead for the B612 Foundation commercial NEO Survey Mission (Sentinel).

She has significant experience in managing technical teams and programs at the concept, subsystem, instrument, spacecraft and mission levels, and throughout all program phases. Ms. Reed routinely works with government sponsors and manages across diverse mission teams of U.S. and foreign academic institutions, industry, public agencies and government organizations. She often takes on special assignments, such as chairing proposal and concept study evaluations, serving on source selection boards, non-advocate review boards, and as lead on major program procurements such as commercial procurement of spacecraft buses. Most recently, Ms. Reed served as the NASA Standing Review Board (SRB) Chair for the GRAIL mission to the Moon, which received the NASA Group Achievement Award in 2012. Ms. Reed was appointed to the University's Principal Professional Staff in 2004.

William H. Gerstenmaier is the associate administrator for the Human Exploration and Operations Directorate at NASA Headquarters in Washington, DC. In this position, Mr. Gerstenmaier provides strategic direction for all aspects of NASA's human exploration of space and cross-agency space support functions of space communications and space launch vehicles. He provides programmatic direction for the continued operation and utilization of the International Space Station, development of the Space Launch System and Orion spacecraft, and is providing strategic guidance and direction for the commercial crew and cargo programs that will provide logistics and crew transportation for the International Space Station.

Doug Stetson is a consultant for the space science community, specializing in innovative mission and system concepts, strategic planning and decision analysis, program management, proposal development, and university and industry partnerships. He is the founder and president of the Space Science and Exploration Consulting Group, a network of senior advisors and experienced individuals drawn from NASA, national labs, industry, and universities.

Doug spent 25 years at the Jet Propulsion Laboratory in a variety of technical and management positions, including several assignments at NASA Headquarters. At JPL he was responsible for development of new planetary mission concepts and programs, led the development of a number of mission and technology "roadmaps" for the national science community and NASA leadership, and established new initiatives for mission and system innovation and cost assessment. During his three tours at NASA Headquarters, Doug served as the deputy manager of the NASA Advanced Planning and Integration Office, coordinated development of the Agency's 2003 Strategic Plan, and served as acting chief of Planetary Advanced Studies in the early 1990's.

Doug holds a B.S. in Physics and M.S. in Aeronautics and Astronautics from Stanford University. He is the recipient of a number of local and national awards, including the NASA Exceptional Achievement Medal and the JPL Award for Excellence in Leadership.