

*The National Academies of*  
**SCIENCES • ENGINEERING • MEDICINE**

**Division on Engineering and Physical Sciences**

**Division of Behavioral and Social Sciences and Education**

*Committee on Increasing Diversity and Inclusion in the  
Leadership of Competed Space Missions*

**Public Meeting 3—Virtual**

**Presenter Bios**

**DEBORAH AMATO** has over 25 years of experience in the aerospace engineering field. She currently serves as Chief of the New Opportunities Office for NASA Goddard Space Flight Center and manages all new business development for major missions and instruments. Prior to her current position, Deborah managed Goddard's Heliophysics Line of Business focusing on mission and instrument concept and proposal development, strategic planning including environment assessment, and Internal Research and Development (IRAD) and Bid and Proposal (B&P) portfolio formulation. Previously, she served as Goddard's Deputy Chief Technologist and managed the IRAD program. Deborah began her career doing mechanical design, thermal and structural analysis, and systems engineering for small scientific instruments. Her career experience has also included integration and testing, instrument management, and collaborative engineering. Deborah worked as the Senior Systems Engineer in Goddard's Integrated Design Center, where early mission and instrument concept studies are conducted. Over the years she has supported many projects including Constellation-X, the James Webb Space Telescope Integrated Science Instrument Module (JWST ISIM), the Reuven Ramaty High Energy Solar Spectroscopic Imager (RHESSI), and the Transition Region And Coronal Explorer (TRACE). She received a bachelor's degree in aeronautics and astronautics from the Massachusetts Institute of Technology and a master's degree in aerospace engineering from the University of Maryland, College Park.

**KELLEY CASE** is the Concept Design Methods Manager for JPL's Office of Formulation. She is responsible for managing JPL's advanced design team, internationally recognized as Team-X. She received a M.S. in Mathematics from Claremont Graduate University and a B.S. in Applied Mathematics from the University of California, Los Angeles. Previous JPL job assignments include serving as the Science Data Engineering Technical Group Supervisor in the Instruments and Science Data Systems Division, as well as the Advanced Design Engineering Technical Group Supervisor in the Systems and Software Division.

**SABRINA FELDMAN** is the Deputy Program Manager for the Earth Science Research and Mission Formulation Office at the Jet Propulsion Laboratory. Her job responsibilities include leading concept maturation and proposal formulation activities for NASA Earth Venture opportunities. Before that she managed the Planetary Science Instruments Office, with twelve years of concept maturation and formulation experience in JPL's Solar System Exploration Directorate. Dr. Feldman had programmatic responsibility for JPL's successful instrument proposals to the Mars 2020 and Europa Clipper missions. She first joined JPL as a member of the In Situ Exploration Technologies group in 1997. She received a Ph.D. in physics from U. C. Berkeley in 1996, where her research focused on astrophysics detector development.

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**BRUCE JAKOSKY** is a Professor in the Laboratory for Atmospheric and Space Physics and the Dept. of Geological Sciences at the University of Colorado in Boulder, and is Associate Director for Science at LASP. He received his Ph.D. in Planetary Science and Geophysics from Caltech in 1982. His research interests are in the geology of planetary surfaces, the evolution of the Martian atmosphere and climate, the potential for life on Mars and elsewhere, and the philosophical and societal issues in astrobiology. He headed the University of Colorado's team in the NASA Astrobiology Institute for more than ten years. He is the Principal Investigator of the Mars Atmosphere and Volatile Evolution (MAVEN) mission to Mars that has been orbiting Mars since fall of 2014. He has published about 300 papers in the refereed scientific literature, and has authored or co-authored a number of books, including "The Search for Life on Other Planets" and "Science, Society, and the Search for Life in the Universe".