Bill Gibson

Assistant Vice President - Space Science Engineering Division
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Mr. Gibson has extensive experience in the management of space equipment development projects ranging from complete missions (MIDEX/IMAGE), to scientific instruments and spacecraft avionics for use on the Space Shuttle, free flying satellites, sounding rockets and high-altitude research balloons. He has managed such projects as the Imager for Magnetopause-to-Aurora for Global Exploration (IMAGE) Mid-sized Explorer mission, Ion and Electron Sensor (IES) for the European Rosetta mission, SEPAC Interface Unit for Spacelab Mission I, the High Altitude Plasma Instrument for the Dynamics Explorer Satellite, the Fast Ion Mass Spectrometer for the Centaur Rocket Project, and the Balloon-Borne Ultraviolet Stellar Spectrometer. He is currently serving as the Science Payload Manager on the New Horizons mission.

His areas of technical specialization include the design of spacecraft data systems, spacecraft telemetry and control systems, and spacecraft heat transfer systems. He has performed the detailed design of the SC1 Spacecraft Computer, which is being used extensively in experiment and spacecraft control application. Mr. Gibson was the architect of the multiprocessor SEPAC On-Line Data Analysis (SODA) real-time telemetry ground station used during STS9 and the lead-design engineer on the Johnson Space Center Stratospheric Ozone Experiment. He also has considerable experience in the field of control systems design and synthesis. Mr. Gibson has served as a member of multiple NASA review boards, serving as the confirmation review board chairman and Red Team member for multiple missions. Mr. Gibson also served as a member of the standing review board for the NASA Advanced Composition Explorer (ACE) mission. In addition to his NASA work Mr. Gibson served as the Program Manager for the Joint Electronic Warfare Center (JEWC) Systems Engineering activity processing over forty information warfare related task orders during a five year period.