

Biographies of Select STEREO Team Members from the Johns Hopkins University Applied Physics Laboratory (APL) Laurel, Md.

E. Reynolds Project Manager

As APL's project manager for the STEREO mission, Ed Reynolds oversees the project's overall development and operation.

Mr. Reynolds has a bachelor's degree in electrical engineering from Virginia Tech. He has an extensive background in spacecraft system engineering, which stems from his experience in spacecraft integration and test.

Prior to the STEREO mission, Mr. Reynolds played key engineering roles in several projects, including the Comet Nucleus Tour (CONTOUR) and the Near Earth Asteroid Rendezvous (NEAR), the first mission in NASA's Discovery Program, that orbited and eventually landed on the asteroid Eros.

Additionally, he has worked on a number of assignments involving satellites, and sounding rockets with engineers from Russia.

Mr. Reynolds has received an Outstanding Achievement Quality Award at APL, and has authored or co-authored several technical papers. He is a member of the Project Management Institute.

R. Denissen Deputy Project Manager

As APL's deputy project manager for the STEREO mission, Ron Denissen helps oversee the project's overall development and operation.

Mr. Denissen holds both master's and bachelor's degrees in electrical engineering, respectively, from the Johns Hopkins and Old Dominion universities. He has an extensive background in digital system design, communications systems simulation, ground stations software programming, and mission design. He previously served in the U.S. Navy as a nuclear reactor operator and staff instructor, and has an extensive background in ballistic missile defense.

Prior to his work on the STEREO mission, Mr. Denissen has served as program manager for various NASA instrument incubator programs, flight instrument and scientific research programs, and as lead for several proposal teams.

Mr. Denissen is a member of the American Institute of Aeronautics and Astronautics, and the Institute of Electrical and Electronics Engineers.

A. Driesman System Engineer

As system engineer for the STEREO mission, Andy Driesman leads a multi-disciplinary engineering team responsible for system development, system performance evaluation, and feasibility and risk assessments throughout the mission's technical development lifecycle.

Mr. Driesman holds a master's in technical management from the Johns Hopkins University, and a bachelor's in electrical engineering and geology from Tufts University. He has an extensive background in systems engineering and integration of complex aerospace payloads for both military and scientific use. He has applied his expertise to a wide range of systems, including the space shuttle, satellites, and payloads for various sounding rockets and missiles.

Prior to STEREO, Mr. Driesman led an in-house effort to develop the next-generation APL spacecraft avionics architecture. He has provided systems engineering support for a number of other programs, including the Discoverer II Synthetic Aperture Radar Constellation, Hypervelocity Light Gas Gun, as well as launch-point detection payload conceptual design studies for the Defense Advanced Research Projects Agency and APL.

Mr. Driesman has authored or co-authored several technical papers, and was a recipient of the 2000 Walter G. Berl Award for an outstanding development paper in the JHU Technical Digest. He is a member of the American Institute of Aeronautics and Astronautics.
