Roger C. Thompson, Ph.D.

Sr. Engineering Specialist, Mission Analysis and Operations Dept.

Dr. Roger Thompson provides support for space situational awareness, collision avoidance, on-orbit breakup analysis and risk assessment, space debris issues, deorbit/reentry prediction, and orbital operations for many programs and space missions. He is one of the corporations leading analysts in space traffic management and has represented the Aerospace Corporation at very high-level government and industry meetings where future space policy will be determined.

Dr. Thompson has experience in uncertainty modeling, probability analysis, pointing and tracking systems, orbit and attitude dynamics, coverage analyses, optimal control systems, structural dynamics, and control of nonlinear systems during his 24 years at the Aerospace Corporation. He also continues to support real-time launch and on-orbit collision risk assessment, orbit transfer and maneuver planning, orbital and trajectory modeling, and orbit determination.

B.S. in Engineering Science and Mechanics, North Carolina State University, 1977

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