

MARLON SORGE

SENIOR PROJECT ENGINEER



Marlon Sorge is a senior project engineer for the Space Innovation Directorate of The Aerospace Corporation. Working out of the corporation's Albuquerque, NM-based office, Sorge supports a wide variety of space debris and space situational awareness-related projects as well as strategic planning, conceptual design, technology development programs, and astrodynamics analysis.

For nearly 30 years, Sorge has conducted space debris research and analysis in a broad range of fields including debris risk assessment, fragmentation analysis, operations support, debris mitigation technique implementation, debris event reconstruction, satellite design for debris survivability, orbital and suborbital range and space safety, ballistic debris management, debris environment projection, collision avoidance, orbital reentry prediction, and national and international mitigation guideline and standards development. He developed the Aerospace fragmentation model and conducted some of the first work in realtime fragmentation event risk assessment. He organizes Aerospace's debris research program, is a DOD representative on the NASA delegation to the IADC, and developed the Aerospace fragmentation model. Sorge joined The Aerospace Corporation in 1989.

The Aerospace Corporation is an independent nonprofit organization dedicated to the objective application of science and technology toward the solution of critical issues affecting the nation's space program.

Education

Sorge received his bachelor's degree in physics and a master's degree in aeronautical and astronautical engineering from Purdue University.

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