



Donovan L. Mathias

PSAM12 Speaker Bio

Aerospace Engineer

Short Statement: First author and presenter of *Engineering Risk Assessment of Space Thruster Challenge Problem*

BIOGRAPHY

Donovan Mathias is an Aerospace Engineer in the NASA Advanced Supercomputing (NAS) Division at NASA Ames Research Center. He has been at Ames since 1992, during which he has worked extensively in the field of computational modeling. He has spent the last fourteen years developing risk assessment tools and creating risk models that incorporate physics-based analyses. He has served as PI for the Simulation Assisted Risk Assessment (SARA) project, has performed risk assessments for multiple NASA architecture studies, and was the Crew Safety and Reliability Manager for the Ares I Launch Vehicle. Currently, Donovan is the Engineering Risk Assessment Team Lead at Ames Research Center. Dr. Mathias earned his B.S. and M.S. degrees in Aeronautical Engineering from California Polytechnic State University, San Luis Obispo and his Ph.D. in Aeronautics and Astronautics from Stanford University.

