Abstract:

Mr. Edquist has spent his 15-year career supporting NASA’s ongoing goal of exploring Mars using robotic spacecraft. He will share some of the challenges of Mars Entry, Descent, and Landing (EDL), as well as his experiences as a technical lead for the successful Mars Science Laboratory and Mars Phoenix missions. As NASA looks forward to more ambitious Mars missions, Mr. Edquist will share new EDL technologies that are needed for human exploration.

Bio:

Karl Edquist is an Aerospace Engineer in the Atmospheric Flight and Entry Systems Branch at NASA Langley Research Center in Hampton, Virginia. He received B.S. (U. of Colorado, 1991) and M.S. (U. of Maryland, 1993) degrees in Aerospace Engineering. Since his arrival at NASA in 2000, he has specialized in aerodynamic and aerothermodynamic analysis of planetary atmospheric flight vehicles for science missions and technology development projects. Currently, he is Deputy Principal Investigator for the Propulsive Descent Technologies project to advance Mars exploration technologies.