

OSF19-2019-000107

Abstract for an Invited Paper
for the OSF19 Meeting of
the American Physical Society

Banquet Dinner Talk: Humans to Mars

CRAIG H. WILLIAMS, NASA Glenn Research Center

This presentation is an overview of NASA's current plan for sending humans to the planet Mars as well as the 1987-92 Space Exploration Initiative study. The objectives of the program, mission overview, Earth-Mars transit space propulsion systems (nuclear thermal and nuclear electric), space environment concerns, how people would live on the Martian surface, and initial colonization plans will be covered. The current status of ongoing robotic mission will also be discussed. The role the NASA Glenn Research Center had during this effort will also be explained.