

RADIATION PROTECTION AND SHIELDING IN AERONAUTICS AND SPACE APPLICATIONS—PANEL

Session Organizer: Robert C. Singleterry, Jr. (NASA)

The purpose of this technical session is to give a tutorial on the physics and engineering issues related to radiation protection in shielding in aeronautical (e.g. high-altitude) and space application (including low earth orbit, and interplanetary). This covers background radiation in the space environment, but also radiation that may result from the use of the nuclear power in space reactors and propulsion systems. Discussions of the computational physics tools and methods used for analyzing and designing systems for the protection of equipment and biological organisms (i.e. humans) will be covered. This tutorial should be of particular interest to members of the following divisions: RPSD, ANSTD, RPD, RRSD, IRD, MCD, and BMD.

Panelists: Mike Houts (*NASA MSFC*)
Robert Singleterry (*NASA LRC*)
Paolo Venneri (or a co-worker) (*USNC*)
Lawrence Heilbronn (*UTK*)