

Bio for Ben Donahue

Member of Boeing's *Space Exploration Division* –
-Exploration Launch Systems Group, Huntsville, Alabama

26 years experience in conceptual design and analysis of Space Exploration missions, including:

- Space architecture design; mission planning; in-space propulsion analysis
- Launch system, upper stage, in-space transfer, descent and ascent stage conceptual design
- Ascent-to-orbit trajectory simulation, celestial mechanics, optimal vehicle staging/configuration

Currently Boeing's Principal Investigator (PI) for the *Space Launch System (SLS) Mission Design and Applications and Mars Proving Grounds Internal Research & Development (IRAD) activities*.

Past configuration lead for Boeing's *Altair Lunar Lander Study* contract with NASA/JSC

Past chairman of the AIAA *Nuclear Propulsion and Future Flight* Technical Committee

Author of over 30 technical papers on space mission, vehicle concept design and in-space propulsion systems

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