



Ground System Architectures Workshop ***Driving Innovation for Enterprise Integration***

February 23–March 3, 2022 | Virtual Event

William Brooks

William Brooks (BS Aerospace Engineering, MS Aerospace Engineering) entered industry in 1997 working on the GPS ground control segment. After moving to Houston to support the International Space Station, Mr. Brooks joined Boeing in 2002 with the Shuttle Avionics Integration Lab (SAIL) as an Ascent Test Sponsor. Mr. Brooks became the Functional Area Lead for Test and Evaluation of the Track Processing portion of the Ballistic Missile Defense (BMDS) Command, Control, Battle Management, and Communication (C2BMC) and later moved over to the C2BMC Advanced Concepts and Experimentation (ACE) group. Mr. Brooks led the BMDS OPIR Architecture (BOA) Characterization project proving the benefit of Boost Phase Cueing technology. Subsequently he was made the Lead Event Analyst for all ACE flight events. As a Responsible Engineer for the BMDS National Team Systems Engineering group, Mr. Brooks leveraged Model-Based System Engineering (MBSE) in developing interface and performance requirements for new technologies including System Level Discrimination, Hypersonic threat tracking, Debris Mitigation, and Enhanced BOA processing. In 2019, Mr. Brooks worked on the Protected Tactical Enterprise Services (PTES) program as a System Architect utilizing MBSE and Agile development process. Mr. Brooks currently serves as the GPS IIF Chief Engineer.