



Ground System Architectures Workshop

Driving Innovation for Enterprise Integration

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Amy O'Brien

Dr. Amy O'Brien is a Senior Project Engineer with The Aerospace Corporation and focuses on artificial intelligence and machine learning (AI-ML) solution architecting and trusted AI-ML. She has over 34 years' professional experience, mostly supporting the DoD, including electronic warfare, radar tracking and classification algorithms, signal processing, and multi-disciplinary military operations training evaluation. Dr. O'Brien also has professional background in red teaming, science advisement (e.g., for DARPA), and testing and evaluation. Her degrees are in electrical engineering, focusing on physics, radar, and algorithm development; her doctorate is in control theory, combining biomechanics with AI-ML using fuzzy reasoning to do modeling and simulation, system identification, and model sensitivity studies.