

DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING

WILLIAM MAXWELL REED SEMINAR SERIES

“Orbital Reef: Blue Origin’s Commercial Space Station”

Randy Lillard, Ph.D.
Blue Origin

Abstract:

As we approach the end of life for the International Space Station (ISS) later this decade, commercial destinations in Low Earth Orbit (LEO) will support the activities of governments, industry, academia, and consumers. Blue Origin and a group of teammates unveiled Orbital Reef, a commercially developed, owned, and operated space station in LEO. This chat will explore the opportunity for global user communities to use commercial stations to support exploration, develop space technology, promote commercial enterprise, and fly people in space routinely.

Speaker Bio:



Randy is currently the Senior Director of Program Management at Blue Origin. Previous to this, Randy worked at Capital One, where he managed the implementation of technology and cybersecurity initiatives across the enterprise. Prior to Capital One, Randy spent 20 years at NASA with positions at the Office of Management and Budget, NASA Headquarters, the Jet Propulsion Laboratory, and Johnson Space Center. Randy was a Program Examiner at OMB, lead JSC’s Exploration Technology Office, Chief of the Thermal Design Branch, Program Executive for the Technology Demonstration Missions Program within the Space Technology

Mission Directorate, Aerothermodynamics Lead for the Orion Spacecraft, and a Systems Engineer on JPL’s Juno Mission. Randy has a PhD in Aeronautics and Astronautics from Purdue University and MBA from the Naval Postgraduate School.

Date: Friday, September 20, 2024
Place: WT Young Library 1-62

Time: 3:00 PM EST
Contact: Dr. Jonathan Wenk

Attendance open to all interested persons