



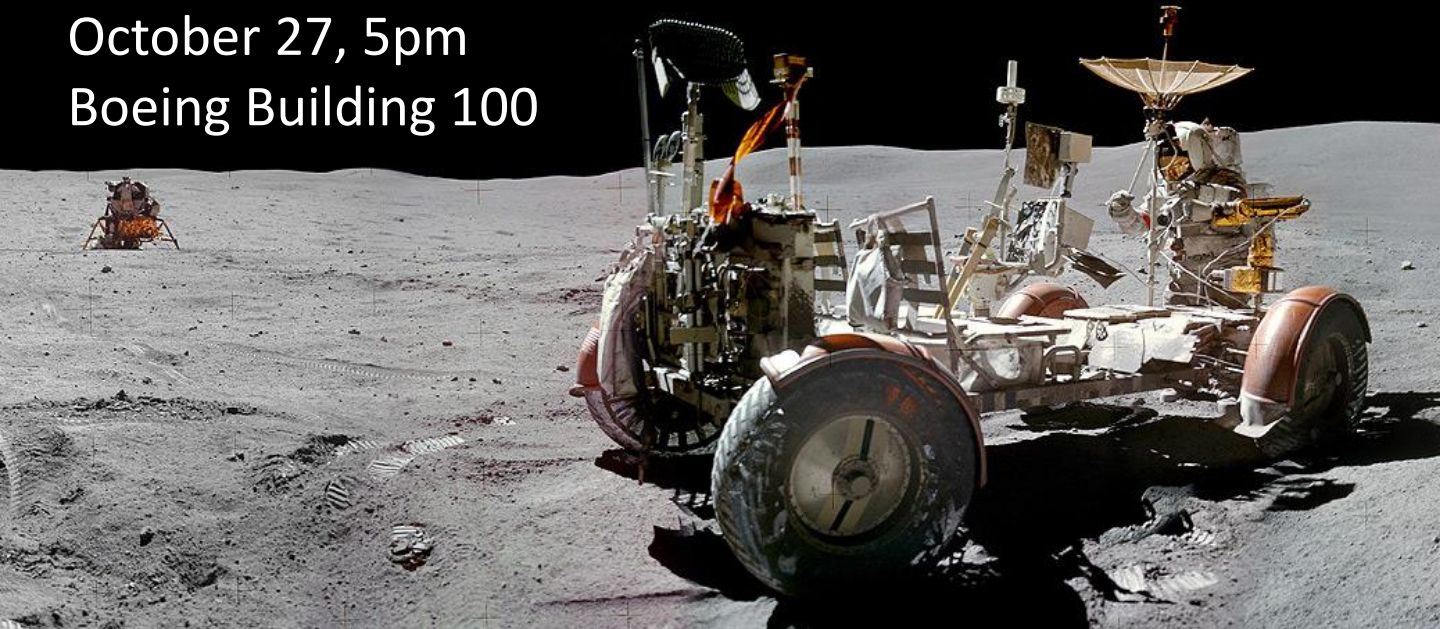
Midwest Gateway Chapter
of the International Council on Systems Engineering (INCOSE)
presents, in honor of the 50th anniversary of Apollo 17

Spacecraft on Wheels: Boeing's Lunar Roving Vehicle

Kirk Kittell

October 27, 5pm

Boeing Building 100



5:00 p.m. – Networking | 5:30 p.m. – Program | 6:30 p.m. – Refreshments

Boeing Building 100 Auditorium, 6300 James S. McDonnell Blvd, St. Louis

For more information and to register: incose.org/midwest-gateway

(Registration required for non-Boeing attendees to get a visitor badge)

Abstract

The Lunar Roving Vehicle (LRV) was developed by Boeing for Apollo missions 15, 16, and 17. Each LRV mission allowed astronauts to travel farther, bring more scientific equipment, and return more samples to Earth than the walking missions. The LRV looks simple, but the "spacecraft on wheels" enabled the major scientific discoveries of Apollo. In honor of the 50th anniversary of Apollo 17 (December 1972), learn how the LRV was engineered, how it was folded into the Lunar Module like origami, and how to operate the vehicle like an astronaut. 1972 model year vehicles are hard to find, but Artemis editions are coming soon.

Bio

Kirk Kittell is a systems engineer at Boeing, working on aircraft health management systems. Before working on aircraft, he worked on the Orion Launch Abort System at Orbital Sciences and in the Mission Evaluation Room at NASA Johnson Space Center on Space Shuttle missions STS-124 and STS-126. He has a BS and MS in Aerospace Engineering from University of Illinois and an MBA from Washington University in St. Louis.