



**AIAA/IEEE(AES)  
Joint Section Meeting**

**Thursday, May 28, 2017**

**Ms. Alice Bowman  
AIAA Distinguished Lecturer  
and Mission Operations Manager for NASA's New Horizons Mission  
at Johns Hopkins University Applied Physics Laboratory**

**“Mission to Pluto and the Kuiper Belt ”**

**Location: Zoom Meeting online**

**Time: 6:00 PM Social Time  
6:30 PM Presentation**

**RESERVATIONS REQUESTED  
RSVP BY May 27, 2020  
[davidsparis@twc.com](mailto:davidsparis@twc.com)  
or (516) 458-8593**

**Cost: Free for Everyone**

Alice Bowman is the New Horizons Mission Operations Manager (MOM). In this presentation, she talks about the voyage of NASA's historic mission to Pluto and the Kuiper Belt, which culminated with the first flight past the distant dwarf planet on July 14, 2015 and on January 1, 2019, the first encounter with a Kuiper Belt object (KBO) "Arrokoth" (officially named 2014 MU69) approximately 4 billion miles from Earth. Both flybys revealed startlingly new information. She'll speak about this continuing journey through the eyes of the APL mission operations team and describe some of the technical, scientific, and personal challenges of piloting the New Horizons spacecraft across the solar system on its voyage to the farthest reaches of the planetary frontier. Ms. Bowman's team itself was part of history, operating a spacecraft that had to travel longer and farther than any mission ever to reach its main target.

Alice Bowman is a member of the Principal Professional Staff at the Johns Hopkins University Applied Physics Laboratory (APL) in Laurel, Maryland. She is the Space Mission Operations Group supervisor and the NASA New Horizons Mission Operations Manager (MOM). She supervises approximately 50 staff members who operate deep space and Earth-orbiting spacecraft, including NASA's TIMED, STEREO, New Horizons, and Parker Solar Probe. As the New Horizons MOM, Alice leads the team that commands and controls the spacecraft that made a historic close flyby of the Pluto system in July 2015 and continues deeper into the solar system's distant Kuiper Belt region. As part of the New Horizons team, she has received a number of NASA Group Achievement Awards and the 2016 SpaceOps Award for Outstanding Achievement.

**Directions:** Click on the link in the meeting invitation you receive after signing up for the meeting.