Mass Spectrometer Observing Lunar Operations (MSolo)

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In 2019, the National Aeronautics and Space Administration (NASA) announced that it would seek to have humans return to the moon by 2024 in the hopes of establishing a more sustainable lunar presence by 2028. This goal comes with many challenges, one of utmost importance will be to utilize resources that can be found on the moon. Water, which has been identified in the lunar Polar Regions, will be a key resource for in-situ resource utilization (ISRU), as it is capable of being processed for vehicular fuel, as well as life support systems materials such as oxygen. Upcoming Commercial Lunar Payload Services (CLPS) missions will be critical for these resource assessments. A modified commercial off-the-shelf (COTS) mass spectrometer developed at Kennedy Space Center known as MSolo, has been selected for various CLPS missions as well as an upcoming NASA rover mission. This commercial approach to space missions is new, yet it shows promising results and progress.

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12:30 pm

Zoom Seminar

https://bit.ly/2Ru1vrz

Meeting ID: 915 0994 7884

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