

IAF SPACE EXPLORATION SYMPOSIUM (A3)
Moon Exploration – Part 1 (2A)

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ILOA HAWAII AND 5 MOON MISSIONS SEPTEMBER 2022 UPDATE

Abstract

International Lunar Observatory Association (ILOA Hawai'i) looks forward optimistically for 2022 lunar and astro possibilities as its precursor ILO-X dual astronomy instruments are planned to achieve the first Milky Way Galaxy image and astronomical observation and communications from the Moon in 2022. The flagship ILO-1 mission to Malapert Mountain near the Moon South Pole is being developed through work of prime contractor Canadensys Aerospace Corp of Toronto, Ontario. An appeal to national, international, public-private-commercial ventures to aim for Malapert is underway. ILOA plans to develop two nearly identical payloads in order to be ready for ILO-2, which could fly to the Moon before ILO-1 flagship aboard an international or another CLPS mission. ILOA real-time astronomy from the lunar surface continues with the ILOA / National Astronomical Observatories of China (NAOC) MoU and a planned co-sponsorship of a dedicated researcher to analyze Lunar-based Ultraviolet Telescope data and publish scientific results. ILOA Human Moon Mission and First Women on the Moon initiative is a high priority for ILOA which advocates for a peaceful, sustainable human return to the Moon for good – with Aloha. The Galaxy Forum program is prepared to advance with 8 in-person events this year to advance Galaxy 21st Century Education in every class. The 'Ad Astra Per Aspera' mindset may be appropriate through the challenges of the global pandemic while interglobal Moon-Cislunar space inspiration is apparent through the numerous missions aiming to launch to and land on the Moon in 2022: CAPSTONE, Artemis 1 / SLS, Intuitive Machines IM-1, Astrobotic Peregrine-1, Luna-25, Chandrayaan-3, KPLO, ispace, SLIM and IM-2.