

SPACE EXPLORATION SYMPOSIUM (A3)
Moon Exploration - Part 2 (2B)

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Abstract

Introduction: The ILOA continuing through 2009 to advance the ILO-X Precursor / OM-1 mission and the ILO-1 Polar / OM-2 mission; the ILOA Board of Directors meeting 23-25 July, soon after 40th Apollo 11 commemorative activities in California's Silicon Valley, with participation continuing from Canada, China, India, Europe and Japan, and with strategic and financial preparations; and the ILOA meetings projected for October 2009 in Korea, China and Japan to advance the ILO Human Service mission – all point to robust development of the Hawaii USA-based ILOA, and its three Moon missions. ILOA's ILO-X Precursor Mission, now being designed by MDA of Canada, will utilize a small, dual function instrument to demonstrate astronomical and other observation and communication techniques aboard the OM-1 lander, Odyssey Moon's inaugural "MoonOne" mission of scientific and commercial payloads planned for 2011 and destined for the lunar equator in pursuit of the Google Lunar X Prize. ILOA's ILO-1 Polar Mission, designed since 2003 by SpaceDev Inc of USA, will establish permanent astrophysical observation and lunar commercial communications systems in the Moon's mountainous South Pole region aboard Odyssey Moon's "MoonTwo" lander early next decade. ILOA's Human Service Mission, with studies completed in 2005 and 2006 by SpaceDev and advanced by Benson Space Company in 2007, is being planned as part of an independent-national-international science and commerce collaboration announced in 2008 to service and support the ILO/s and parallel robotic village facilities, by 2015, and the emerging lunar base settlements. The ILOA is an interglobal enterprise incorporating in Hawaii as a 501 (c) (3) non-profit to help realize the multifunctional ILO – to advance human knowledge of the Cosmos through observation from our Moon – and to participate in lunar base build-out. The ILOA also in 2009 is co-sponsoring with its Space Age Publishing Company affiliate an international series of Galaxy Forums in Hawaii, California, Kansas, Canada, China, Japan, and New York, with the theme 'Galaxy Education in the 21st Century'.