



**For Immediate Release**

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**Affordable Extraterrestrial Exploration**  
*Topic for next Maunakea Skies Talk*

**Hilo, Hawai'i** – *Past, present and future analog field tests for In-situ Resource Utilization (ISRU) technologies on Hawai'i Island* will be the topic at the next “Maunakea Skies” talk on Saturday, September 17th at 7:00pm.

In space exploration, ISRU describes the proposed use of resources found or manufactured on other astronomical objects (the Moon, Mars, Asteroids, etc.) to further the goals of a space mission. Join Christian Anderson at Imiloa Astronomy Center as he discusses the development of new technologies needed to sustain life on the Moon and beyond.

Pacific International Space Center for Exploration Systems (PISCES) is an international research and education center dedicated to the development of such technologies. It was created in March 2007 as an official Center at the University of Hawai'i at Hilo and was first funded by the Hawai'i State Legislature in June 2007. The Center is being built on partnerships between industry, academia and the governments of space-faring nations around the world, but particularly those on the Pacific Rim, which is geographically centered in Hawai'i. PISCES was conceived by the Japan-U.S. Science, Technology & Space Applications Program (JUSTSAP) under the auspices of the Hawai'i State Department of Business, Economic Development & Tourism (DBEDT).

Christian Andersen earned his bachelor of science degree in physics from San Jose State University and a master's of science degree in engineering-applied science from UC Davis. He did his graduate research in inertial confinement fusion at Lawrence Livermore National Laboratory, École Polytechnique, and Rutherford Appleton Laboratory. Christian

is currently teaching physics & astronomy, and mathematics at the University of Hawai'i at Hilo. He also serves as the research operations manager of PISCES (Pacific International Space Center for Exploration Systems) based at the University of Hawai'i at Hilo.

Maunakea Skies host Peter Michaud, of Gemini Observatory, will provide observational highlights of the current night sky over Hawai'i, pointing out prominent constellations and stars one can see during this time of year.

The monthly Maunakea Skies planetarium presentations are held on the third Saturday of each month. Presented in 'Imiloa Astronomy Center's 120-seat planetarium, admission is \$5 for 'Imiloa members and \$8 for non-members. Pre-purchase tickets at the 'Imiloa front desk or by phone at (808) 969-9704; Visa and MasterCard accepted.

'Imiloa Astronomy Center of Hawai'i is located at 600 'Imiloa Place in Hilo, off Komohana and Nowelo Streets at the UH-Hilo Science and Technology Park. For more information, go to [www.imiloahawaii.org](http://www.imiloahawaii.org), or call (808) 969-9703.

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