



Hours	Now Showing	Upcoming Events	Gift Shop	Forward this to a Friend
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Volume 4, Issue 3 Malaki (March) 2009

Be sure to check our **Events** and **Planetarium** show schedules on our website at imiloahawaii.org to learn what's happening and when.

'Imiloa Astronomy Center is open from 9:00 am to 4:00 pm, Tuesday through Sunday, and on these holidays: Memorial Day, King Kamehameha Day, Independence Day (Fourth of July) and Labor Day. We're closed on Thanksgiving, Christmas and New Year's Day.

Please send your comments and feedback to our Membership and Development Office at membership@imiloahawaii.org.

Calendar of Events at a Glance

-- details provided below

2009: International Year of Astronomy (IYA) - stay tuned for more info on events!

Every Saturday: Keiki Kilohoku Korner activities at 9:30 am

January - May 2009: Science Rocks! Wednesday after school program

March 12: Festival of Science

March 20-23: 'Imi Na'auao 2009 - 3rd annual Navigation & Voyaging Workshop - Mahalo to the Alexander & Baldwin Foundation!

March 21: *Maunakea Lecture Series* with Alan Tokunaga at 7:00pm

March 26: *3D Hitchhikers Exploration of the Universe* begins

April 2-5: 100 Hours of Astronomy

April 14-17: 3rd annual Merrie Monarch programs at 'Imiloa

April 18: *Maunakea Lecture Series* with Dr. Doug Simons at 7:00pm

June 27-28: Camp 'Imiloa Family Program

June 29-July 3: Camp 'Imiloa

September: Celebrate Museums Month - visit 10 of our Hawai'i Island museums for free!

October: 2nd annual Hilo Wayfinding and Navigation Festival

October 24: IYA Block Party in the UH Hilo Science and Technology Park

December 4: Member Mahalo Holiday Party!

Upcoming Events and Activities

The Festival of Science



'Imiloa Astronomy Center will be hosting a **free**, family fun-filled night at the Festival of Science on Thursday, March 12, from 5:00 to 7:00 pm. Funding for this project was made possible through a grant from the U.S. Department of Education and is proudly brought to you by Holoholo Science and the Bishop Museum.

This is the chance for you and your keiki to be scientists! Through hands-on science stations, experiment and make fascinating discoveries about Hawai'i's ecology, geology, biology, anthropology, and oceanography. Learn about the International Space Station and how scientists use remote sensing to map the earth by satellites. Then be a "Doctor Detective" solving medical mysteries and diagnosing the cause of a patient's symptoms. Share information with your keiki and allow them to learn about themselves. Listen to their heart beat, measure their breath flow, test their eyesight, and more!



Shizuno Nasu "Duet for Dance and Ikebana" Performance



Held in recognition of 'Imiloa's third birthday, Shizuno Nasu will dance in duet with Karen Masaki. The **free** performance entitled "Beauty and Spirit / Hana to Mai" will be held in the Earl and Doris Bakken Moanahoku Hall on Saturday, March 14, and also on Sunday, March 15, at 2:30 pm.

This performance features a dance dedicated to, and celebrating, Lake Waiau and the sense of spirituality that emanates from its waters. Shizuno Nasu was struck by the tradition that Hawaiians placed their baby's piko (umbilical cord) in the lake as a sense of connection to universal spirit, and in visiting the lake, she felt that spirituality there.

The performance will feature ikebana created by Katsuyo Iwase and her students.



Questions? Contact our Marketing Office at vrecinto@imiloahawaii.org

3D Hitchhikers Exploration of the Universe - Telescopic Discoveries

'Imiloa Astronomy Center is proud to announce the return of the popular evening planetarium program, *3D Hitchhikers Exploration of the Universe - Telescopic Discoveries*

Discoveries. The first program will be held on Thursday, March 26, at 7:30 pm and will be offered weekly on Thursday nights through the end of April.

This program utilizes the 3D stereoscopic projection system in our state-of-the-art, 120-seat planetarium. Shawn Laatsch, 'Imiloa's planetarium manager, will host the evening presentation. He will fly participants out into space on a unique and engaging tour of the universe. This new version of the show focuses on telescopic discoveries in honor of the International Year of Astronomy (IYA2009).

The audience will fly through our solar system, exploring the asteroid belt and numerous planets. From there, Laatsch will direct the audience to other star systems with planets, going far beyond to star clusters and other areas of the Milky Way galaxy. The journey will continue into inter-galactic space, traveling to the Virgo cluster of galaxies and out to the edge of the known universe.



Come join us for a virtual 3D flight through the cosmos: exploring time, space, and new telescopic discoveries!

Shows will be offered every Thursday between March 26 and April 30 at 7:30 pm. Cost is \$8.00 for members or \$10.00 for non-members. To purchase tickets, please call (808) 969-9703. You can also visit our front desk during regular business hours.

100 Hours of Astronomy

As the International Year of Astronomy's cornerstone project, the 100 Hours of Astronomy (100HA) is a worldwide event consisting of a wide range of public outreach activities, sidewalk astronomy events, and live science center and research observatory webcasts. This four day event is designed to bring astronomy to the public all around the world. One of the key goals of 100 Hours of Astronomy is to have as many people as possible look through a telescope as Galileo did for the first time 400 years ago.



100 Hours of Astronomy will take place from April 2 through April 5, when the moon goes from first quarter to gibbous (good phases for early evening observing).

Thursday (April 2)

At 7:30 pm, 3D Hitchhikers Guide to the Universe will be showing in the 'Imiloa Planetarium. From 8:30 to 10:00 pm, there will be Telescope Observing in the 'Imiloa parking lot.*

Friday (April 3)

From 12 noon to 4:00 pm, there will be Solar Viewing from the parking lot. Between shows in the planetarium, there will be Observatory Webcasts presented. From 7:00 to 10:00 pm, there will be Telescope Observing in the 'Imiloa parking lot.*

**Saturday
(April 4)**

From 12 noon to 4:00 pm, there will be Solar Viewing from the parking lot and educational activities on telescopes. Observatory Webcasts will be aired between shows in the planetarium. From 7:00 to 10:00 pm, there will be Telescope Observing in the 'Imiloa parking lot.*

**Sunday
(April 5)**

From 12 noon to 4:00 pm, there will be Solar Viewing from the parking lot as well as educational activities on telescopes.

There will be a Live 24-hour Research Observatories Broadcast on April 2 and 3. The Research Observatories will host a unique, live webcast over 24 hours, following night and day around the globe to some of the most advanced observatories on and off the planet. The 24-hour webcast will begin with the telescopes of Maunakea here on the Big Island, where each observatory on Maunakea will be featured for 15 minutes. Gemini North, located on the summit's ridge, will be kicking off the webcast, starting at 11:00 pm on the evening of April 2.



The live video webcast will be available on the 100HA website:
<http://www.100hoursofastronomy.org>

*If it rains, *400 Years of the Telescope* will show in 'Imiloa's planetarium.

Merrie Monarch Festival 2009



The Merrie Monarch Festival is back again for its forty-sixth year, taking place from April 12 through the 18, here in Hilo. The major purpose of the festival is the perpetuation, preservation, and promotion of the art of hula and the Hawaiian culture through education. The festival allows for people of all ages to display their skills and knowledge of the art of ancient and modern hula. 'Imiloa Astronomy Center partakes in the festivities through numerous programs and activities.

**Tuesday
(April 14)**

'Imiloa will be hosting the Hawaiian Oli and Chant in the morning as well as the Nawahiokalani'opu'u presentation about La'amaikahiki in the afternoon.

**Wednesday
(April 15)**

There will be an exhibition entitled "Hula Instruments: The Trees & Plants that Produced Them" featuring Kana'e Keawe and performer Kuhi Sukanuma. In the

afternoon, 'Imiloa will host a panel of Haku Mele (composers) and Ho'ike (demonstrations and performances).

**Thursday
(April 16)**

This day will begin with Miss Aloha Hula's Ho'ike which will include a Q&A session, her experiences, and a special hula performance. The afternoon will focus on Piko Designs - the inspirations and research process for contemporary Hawaiian clothing design; this program will even include a fashion show!

**Friday
(April 17)**

This is the last day to take part in the festivities at 'Imiloa. There will be a hula workshop with Manu Boyd and his halau in the morning and a performance by the same halau in the afternoon.

Throughout the week, there will be daily performances by one of Hawaii's foremost female vocalists, Darlene Ahuna, in 'Imiloa's Sky Garden Restaurant from 11:30 to 12:30.



Come take part in this one-of-a-kind celebration of Hawaiian culture and dance!

March Maunakea Lecture Series: "Small Telescopes and Large Telescopes"

Saturday, March 21 at 7:00 pm in the planetarium

On Saturday, March 21, at 7:00 pm, 'Imiloa Astronomy Center will host this month's popular *Maunakea Lecture Series* program. This month's program will be hosted by Alan Tokunaga, Director of the NASA Infrared Telescope Facility, presenting "Small Telescopes and Large Telescopes."



Alan Tokunaga has worked on astronomical instrumentation and studies of the solar system, interstellar medium, and star formation. Tokunaga's research has included the spectroscopy of comets, planets, and satellites, spectroscopy of carbonaceous infrared emission features in the interstellar medium, and high-resolution spectroscopy of the circumstellar material of young stars. He is also promoting the use of narrowband filters since 2000.

The 3.0-meter NASA Infrared Telescope Facility (IRTF) is a dedicated telescope for planetary science



and mission support and it is operated for NASA by the University of Hawaii. Tokunaga will be discussing the increase of telescope aperture from Galileo's time to the present and, also, the numerous ways in which the IRTF helps us with unique solar system observations.

The Sky Garden Restaurant will be open from 5:00 to 8:00 pm for dinner.

For more information about *Maunakea Lecture Series*, please visit the [Events](#), [What's New](#), and [Planetarium](#) pages at imiloahawaii.org.

Maunakea Lecture Series begins at 7:00 pm and is now on the third Saturday of every month. Because this is the International Year of Astronomy, all *Maunakea Lecture Series* programs will be **free** for members and the community at-large throughout 2009. First come, first serve. Please plan to arrive at least 15 minutes in advance.

'Imi Na'auao 2009

The 3rd Annual Wayfinding Workshop



'Imiloa Astronomy Center will be hosting 'Imi Na'auao 2009, the navigation and wayfinding skills workshop focused on training the crew members of Hawai'i's voyaging community. Funded through a generous grant from the Alexander & Baldwin Foundation, 'Imi Na'auao 2009 will focus its primary activities at 'Imiloa and will then move to oceanside venues for observation and coastal sailing. The 3rd annual event will be held from Saturday, March 21, to Monday, March 23.

Kalepa Baybayan, master wayfinder and 'Imiloa's navigator-in-residence, will be the lead instructor and will be joined by senior members from the voyaging community. 'Imi Na'auao is a collaborative effort of the statewide voyaging community and provides an opportunity to engage the larger community in the culture, history, and legacy of our mariner ancestors.



In the Planetarium

U2 - You've heard the music, now see the music!

'Imiloa's Friday night music entertainment show features one of the greatest bands of the last two decades: U2.

U2 is the first ever full-dome production featuring U2's timeless classics and modern hits. This show is a 43-minute immersive experience to the popular bands music, thanks to the high-tech, full dome, digital video and 5.1 Dolby Digital Surround sound capability of the `Imiloa Planetarium. See waves of rich computer renderings of colors, images, animations, and fractals that are choreographed with the band's music. From "Bullet the Blue Sky" to "Sunday Bloody Sunday" and "Elevation," this jam-packed show is full of U2's all-time greatest songs!



Shows are offered every Friday at 7:30 and 9:00 pm. Cost is \$8.00 for members or \$10.00 for non-members. To purchase tickets, please call 969-9704 or 969-9703. You can also visit our front desk during regular business hours.

Keiki Kilohoku Korner

Activities every Saturday!



The Keiki Kilohoku Korner, or K-Cubed, is on every Saturday from 9:30-11:00 for the visitors who come to see *Legends of Orion*, our 10:00am keiki planetarium show. Educational activities will take place in 'Imiloa's atrium area. Storytelling, science demos and experiments will be offered every Saturday.

Science Rocks!

'Imiloa's after-school program

Our after-school program, "Science Rocks!" is in full swing! Students from area schools are enjoying non-stop, high energy, hands-on science activities every Wednesday afternoon that school is in session. Don't miss out on this premier, high quality, science education program that parents are raving about and children don't want to leave. Check out all the information on our [website](#). This is where kids learn that science really *is* cool and that science is all around them!



Upcoming sessions include the following:
March 4 - Inventions

March 11 - Energy House
March 18 - Slime and Polymer Chemistry
April 8 - Space Science
April 15 - Human Body

For more information or to access the enrollment form, please [click here](#).

Moore Foundation Grant Update

You can make a difference!

'Imiloa Astronomy Center received a generous grant from the Moore Foundation to help subsidize transportation, admission, and lunch for K-12 Hawai'i Island students' visits to 'Imiloa. In order to encourage community support for education on the Big Island, the Moore Foundation's grant contains a matching element. As part of this grant, 'Imiloa is able to triple donations and ensure that all Hawai'i keiki have the opportunity to visit. Help us reach our goal of enabling every student on the Big Island to have an 'Imiloa experience!

Every dollar counts. Please show your community support and adopt a student, class, or school.

Give today by visiting:

<http://www.uhf.hawaii.edu/ImiloaMooreGrantFund>

Your donation is 100% tax deductible. [Click here](#) to download a pdf document with more information on the Moore Grant and what the keiki will experience on their visits to 'Imiloa. Questions about the Moore Grant Match challenge? Contact us at (808) 969-9732.

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