



# Subaru Users Meeting

Doug Simons  
UH Institute for Astronomy  
October 2025





*Arrivals, Outreach,  
Awards...*



# Incoming Faculty



## Nour Skaf

Hilo (starting as faculty May 18, 2026)  
Currently: 51 Pegasi b Fellow @ IfA Hilo  
Previously: Postdoctoral Researcher @ UC Santa Cruz  
PhD: Observatoire de Paris

Research interests: exoplanet science, adaptive optics



## Rohan Naidu

Mānoa (starting June 1, 2026)  
NASA Pappalardo Fellow @ MIT  
PhD: Harvard University

Research interests: galactic archaeology surveys; first stars & galaxies; cosmic reionization





# Incoming Faculty



## Neige Frankel

Mānoa (starting August 3, 2026)  
Postdoctoral Fellow @ CITA  
PhD: IMPRS (International Max Planck Research School) Heidelberg

Research focus: disk galaxy evolution



## Kartheik Iyer

Mānoa (starting August 3, 2026)  
NASA Hubble Fellow @ Columbia  
PhD: Rutgers University

Research focus: computational extragalactic astronomy





# Additional Faculty Positions

---

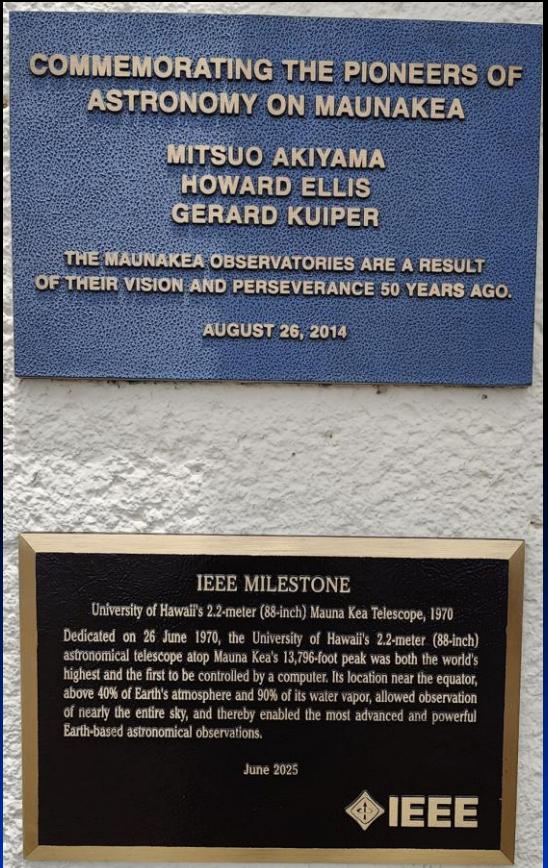
- ＊ IfA is now advertising for two more faculty openings – one located at IfA-Mānoa and the other IfA-Maui
- ＊ Combined with 8 new IfA faculty positions filled over the past ~3 years, and 8 new Space Science and Engineering faculty positions (collaboration between IfA and UH College of Engineering), 18 new faculty positions directly linked to IfA filled over the past few years
- ＊ 6 new graduate students added in 2025 cohort
- ＊ Despite uncertainties about the future, IfA continues to grow its capacity for research, education, and technology development



# *Community Connections*



# UH 88" Honored with IEEE Milestone



Credit: W. Layugan

Citation: "Dedicated on 26 June 1970, the University of Hawaii's 2.2-meter (88-inch) astronomical telescope atop Mauna Kea's 13,796-foot peak was both the world's highest and the first to be controlled by a computer. Its location near the equator, above 40% of Earth's atmosphere and 90% of its water vapor, allowed observation of nearly the entire sky, and thereby enabled the most advanced and powerful Earth-based astronomical observations."



# Tanabata Block Party 2025: August 30



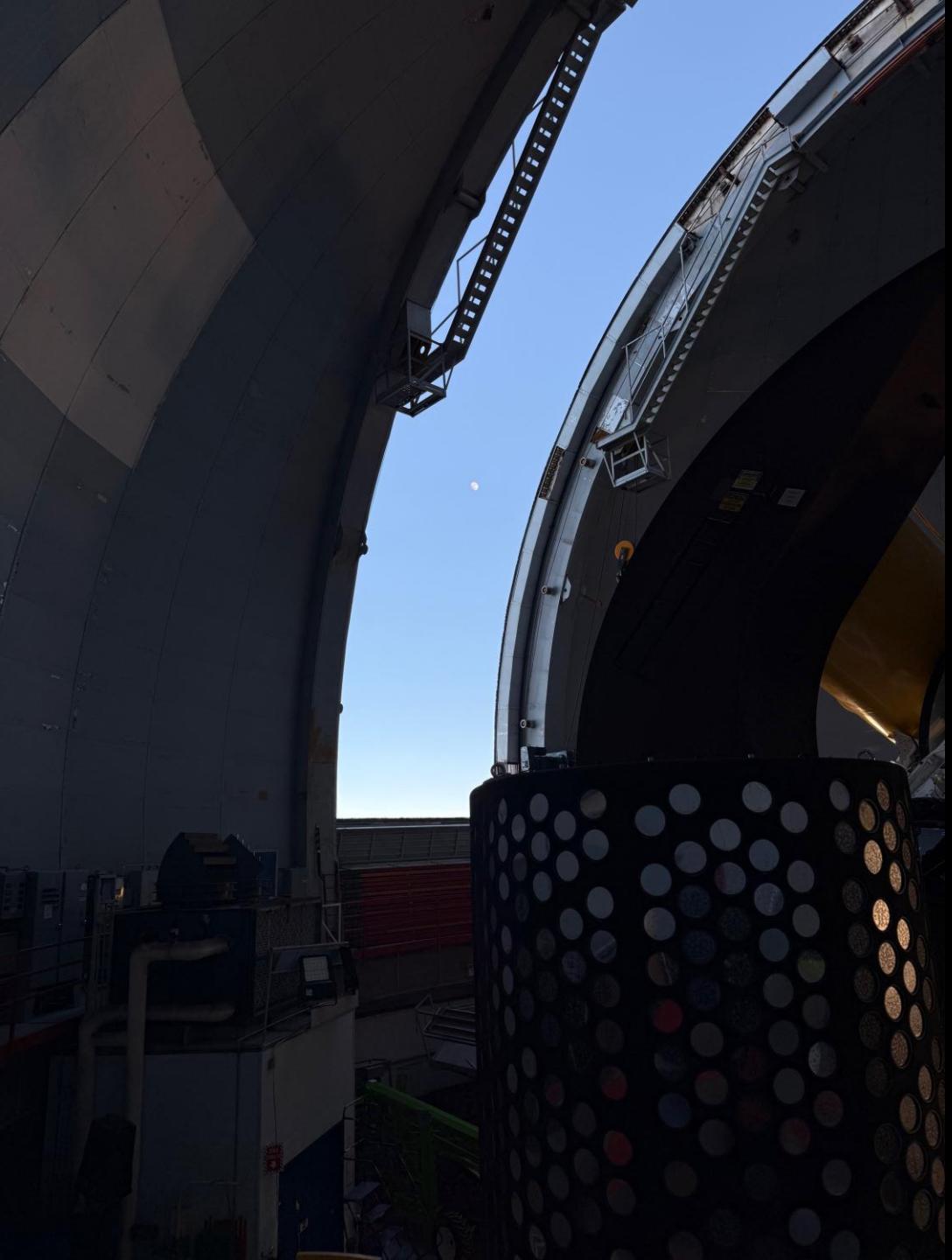


# MKO's Supporting Maunakea Forest Restoration

- ✳ Maunakea Forest Restoration Project has on-going habitat restoration programs seeking volunteers
- ✳ Out plantings intended to push palila bird habitat uphill
  - ★ Keck and IfA helped plant ~1000 trees at the ~10,000 ft level last month
- ✳ Most activities for the remainder of the year focus on starting seedlings to plant in the field next year







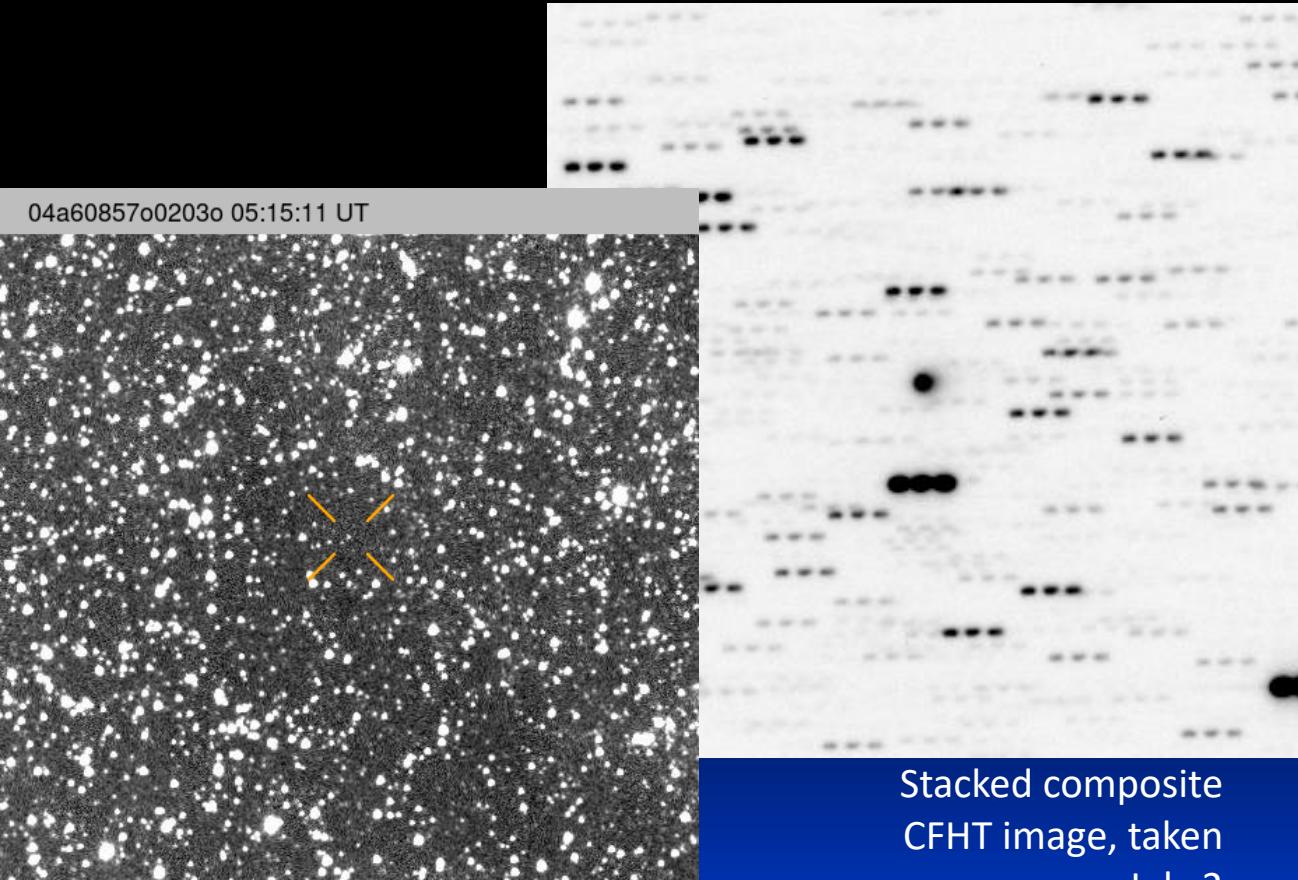
*IfA In the News*



# 3<sup>rd</sup> Known Interstellar Object Identified by ATLAS Chile

Comet C/2025 N1 (ATLAS), a.k.a. 3I/ATLAS detected by ATLAS Chile on July 1

- ✿ Many Hawai'i facilities involved in follow-up observations
  - ✿ Maui: ATLAS Haleakalā; Faulkes Telescope North; Las Cumbres Observatory (Haleakalā node)
  - ✿ Hawai'i Island: CFHT, Keck, IRTF, JCMT, ATLAS Maunaloa, UH88
- ✿ Orbital eccentricity calculated at ~6.1
  - ✿ Previous highest eccentricity: 3.4 (2I/Borisov)
- ✿ Many IfA connections with the discovery and follow-up including: Larry Denneau, John Tonry, Andrew Hoffmann, Willem Hoogendam, Mark Huber, Karen Meech, Ben Shappee, Robert Siverd, Richard Wainscoat, Rob Weryk, Kyle Hart, Jason Hinkle and Mike Connolley



Stacked composite  
CFHT image, taken  
July 2

Weryk & Wainscoat

UH News, 2025-07-02: <https://www.hawaii.edu/news/2025/07/02/possible-interstellar-visitor-discovered-by-uh/>  
KHON, 2025-07-02: <https://www.khon2.com/local-news/massive-interstellar-object-discovered-by-hawaii-operated-telescope/>  
arXiv preprint: <https://arxiv.org/abs/2507.02757v1>



# IfA Highlights – UH News, research notes, etc.

UNIVERSITY of HAWAII NEWS

Academic Research People Community Administrative Athletics Videos By Campus ▾

Search

## UH telescope discovers historic asteroid that may strike the Earth in 2032

UH News » Research » UH telescope discovers historic...

February 2, 2025 UH News

Reading time: 2 minutes



Illustration of a small asteroid moving past Earth (image credit: Space.com)

A University of Hawai'i-operated telescope has discovered a fairly large asteroid that may impact the Earth. The historic asteroid, 2024 YR4, was first detected by UH's [Asteroid Terrestrial-impact Last Alert System \(ATLAS\)](#) in December 2024 as it flew past the Earth. Estimated to be the size of a 20-story building, the asteroid is currently 27 million miles away and returns to Earth's vicinity every 4 years. While it is

Mānoa Links

- Admissions
- Academics
- Research
- Athletics
- Alumni
- Events Calendar

X f @ in

Most Popular

President Hensel addresses federal policy changes, reaffirms commitment to community

UH President

100% ↴

**2025 February 2: UH telescope discovers historic asteroid that may strike the Earth in 2032**

ATLAS Chile detected **2024 YR4** on December 27; classified as “Torino Scale 3”: “A close encounter, meriting attention by astronomers. Current calculations give a 1% or greater chance of collision capable of localized destruction. Most likely, new telescopic observations will lead to re-assignment to Level 0. Attention by public and by public officials is merited if the encounter is less than a decade away”

# *Strategic Planning*





# UKIRT Decommissioning Announced



## A boost for ag in Hawaii

Governor signs measures aimed at protecting farmers and bolstering food security

By JOHN BURNETT  
Hawaii Tribune-Herald

A pilot program to fight agricultural-related crimes in Hawaii will go into effect on the Big Island and Oahu.



Waini, Dornan, and the chairman of the Senate Agriculture and Environment Committee, Sen. Tim Richards, a

Waini, Dornan, and the chairman of the Senate Agriculture and Environment Committee, Sen. Tim Richards, a



most decom las  
timeframe  
Given likely cost for  
outlook for UKIRT,  
decom plans now, v

The UH-owned UKIRT telescope will be decommissioned.

## UH to decommission 3rd Maunakea telescope

UKIRT began operating in 1978

By Tribune-Herald staff

Another telescope on Maunakea is set to be decommissioned.

The University of Hawaii Institute for Astronomy is officially initiating the decommissioning process for the third Maunakea observatory to be decommissioned, the University of Hawaii's UKIRT telescope, which served as the United Kingdom Infrared Telescope.

Decommissioning is

done in close collabora-

tion with the UH Hilo

Center for Maunakea

Stewardship and Over-

UH Hilo and the Mauna

Community Council.

"We are making progress on our commitment to decommissioning the telescope in the summer," said Hill. "Canciller

and the broad-

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope

is a very important

telescope in the

UKIRT telescope



# On-going Advocacy to Support Funding for Astronomy/Science

- ★ Proposed FY2026 budgets: direct impacts to Hawai'i astronomy facilities
  - ★ John O'Meara (Deputy Director & Chief Scientist, Keck): "The proposed cut could result in staff reductions, loss of research capacity, fewer ancillary contracts for local vendors, potentially limit public data access, and reduce Keck Observatory's ability to operate education and outreach programs."
- ★ At UH, Federal cuts amount to >\$100M reductions in funding across many programs, including Minority-Serving Institution (MSI) grant programs (Native Hawaiian & Pacific Islander)
- ★ At IfA, primary impact has been a slowdown in approved grant funds flowing into UH accounts

The screenshot shows a news article from the Honolulu Star-Advertiser. The headline reads: "What do you think of Hawaii's astronomy future, given proposed budget cuts to NASA and the National Science Foundation?" Below the headline is a poll with four options:

Option	Votes
A. Very concerning, dire situation	422 Votes
C. OK with cuts, don't see alarm	101 Votes
B. Lamentable but recoverable	93 Votes

Text at the bottom of the poll area: "This is not a scientific poll — results reflect only the opinions of those who responded."

On the right side of the page, there is a sidebar with the heading "OUR VIEW" and "BUDGET CUTS". It includes a sub-headline: "Tenuous time for isle astronomy". The sidebar also contains several links and social media icons.

UH News, 2025-06-10: <https://www.hawaii.edu/news/2025/06/10/uh-astronomy-faces-massive-budget-cuts/>

Honolulu Star-Advertiser, 2025-06-27: <https://www.staradvertiser.com/2025/06/27/hawaii-news/astronomers-concerned-by-federal-cuts/>



# UH/IfA – Japan Collaboration Meetings

---

- ✿ Discussions are on-going between UH leadership, U. Tokyo, NAOJ about various forms of collaboration that may be of mutual interest
  - ★ Technology development, student exchange, etc.
- ✿ UH Space Science and Engineering Initiative an important part of these meetings, but expanding into other areas of research and education
- ✿ Building off long standing fruitful collaborations with the Japanese astronomy community...



# UH/IfA – Japan Collaboration Meetings



Meetings in Tokyo, March 2025



# “Space Science Takes Center Stage at UH International Symposium”





# “Space Science Takes Center Stage at UH International Symposium”



UNIVERSITY of HAWAII NEWS

Space science takes center stage at UH international symposium

UH News » Research » Space science takes center...

September 30, 2025 | UH News

Reading time: 2 minutes



Universities

- UH Mānoa
- UH Hilo
- UH West O'ahu

Community Colleges

- Hawai'i CC
- Honolulu CC
- Kap'olani CC
- Kaua'i CC
- Leeward CC
- UH Maui College
- Windward CC

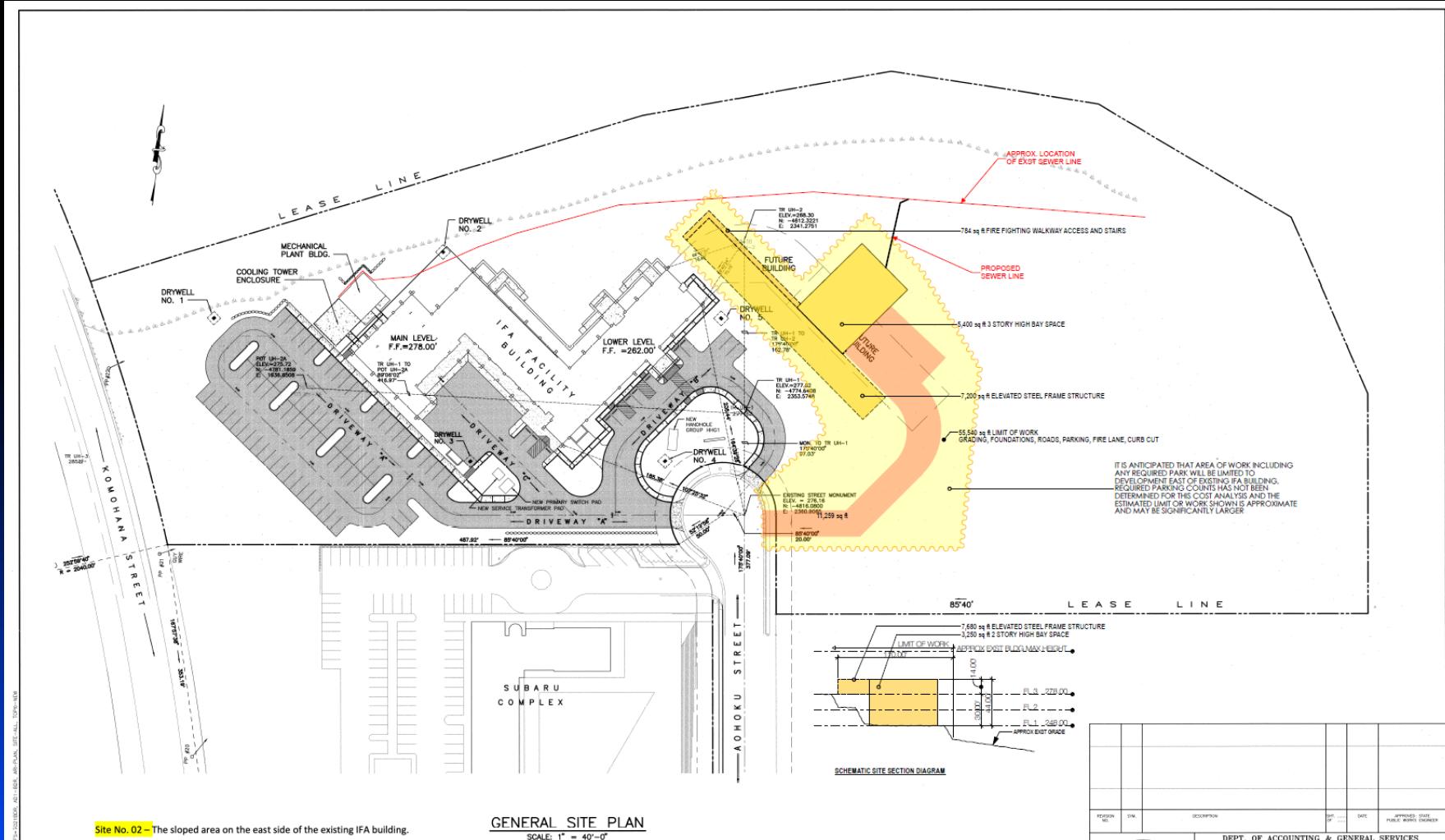
Most Popular

October 2025

UH News, 2025-09-30: <https://www.hawaii.edu/news/2025/09/30/space-science-symposium/>



# Proposed New SSEI Building Next to IfA-Hilo





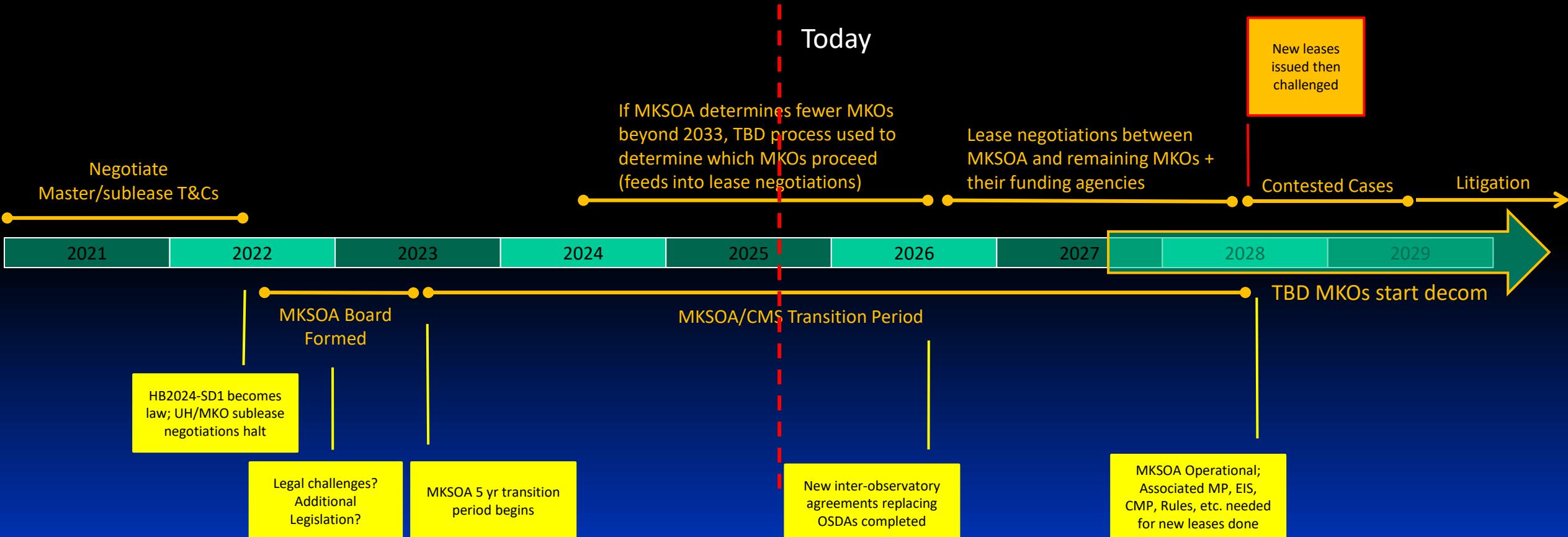
# Various Issues Ahead in the UH → MKSOA Transition

PENDING ISSUES KEY TO MKSOA'S MANAGEMENT PLAN AND TIMELINE		
How does MKSOA hold its property interest?*	Conservation district oversight (HRS 183C)*	LUC authorities (HRS 205)**
CDUP Transfers*	Leasing criteria and process (HRS 171)**	EIS Requirements*
Utilization of UH plans and rules*	MKSOA Organization (Structure, RCUH, Advisory Groups, etc.)	Astronomy as a policy of the State (What does this look like on the ground? What is the role of UH/IfA?)
Staff, Asset, Liability Transfers**	Move IfA from UHM to UHH**	Other (N=?)

Table Courtesy Greg Chun



# Today - Some Key Schedule Milestones Under the UH → MKSOA Transition





# IfA's Evolving Mission

- ✿ Various initiatives reflect evolution and growth at IfA, as we plan a future grounded in education, research, technology, and community
  - ★ Hiring 10 new IfA faculty plus 8 collaborating on new Space Science & Engineering (SSEI) faculty
  - ★ IfA as a Native Hawaiian Place of Learning, with an emphasis on local student support and engagement
  - ★ Launching new SSEI building adjacent to IfA-Hilo to increase capacity for tech-dev, instrumentation, education, internships
  - ★ Engineering degree pathway at UH Hilo, substantially enabled via IfA
- ✿ *Despite uncertainties about Maunakea astronomy, IfA remains steadfast in building our capacity, supporting our community, and partnering via innovative programs focused on advancing the futures of our keiki ('Imiloa, Ka Haka 'Ula, Nāwahī, UHH engineering, Maunakea Observatories, Akamai Internships, Maunakea Scholars, etc.)*

A10 Tuesday, June 6, 2023

Hawaii Tribune-Herald

NEWS

## Kamehameha Schools grad wins surprise scholarship

By MICHAEL BRESTOVANSKY  
*Hawaii Tribune-Herald*

A Kamehameha Schools Hawaii senior was surprised Monday with a \$10,000 scholarship to pursue a degree in astrophysics at Yale University.

Ciana-Lei Bence, who graduated from Kamehameha Schools this year, is a member of the Maunakea Scholars program, a partnership by the Maunakea Observatories and the state Department of Education that pairs students at participating Hawaii high schools with astronomer mentors to develop research projects and grant them the opportunity to use the Maunakea telescopes to observe space.

"Before I was interested in philosophy and anthropology, because I wanted to learn more about where we all came from," Bence said. "But I started to lean toward astronomy, because that's where all that started."

Mentored by Doug Simons, the director of the University of Hawaii's Institute for Astronomy, Bence entered the East Hawaii District Science and Engineering Fair earlier this year with an ambitious project: "It was investigating the mass evolution patterns of active galactic nuclei," she said. Bence used the W. M.

Keck Observatory to observe a distant quasar in conjunction with a host of archival data from several observatories. By analysing the spectrography of distant galaxies, Bence hoped to find evidence that would bolster theories for the M-Sigma relation, an observed correlation between the mass of galactic supermassive black holes and the velocities of the stars surrounding them.

On the strength of that project — which won first place in the fair's Physics and Astronomy division — Bence was invited to participate last month in the International Science and Engineering Fair, the world's largest high school science fair.

In recognition of her performance, Hilo Rep. Richard Onishi presented Bence a certificate of achievement Monday, calling her a "shining beacon of inspiration" for Hawaii students.

But Simons shocked Bence with another certificate: the Maunakea Scholars' Hokulea

Scholarship, a \$10,000 award for the top-performing seniors in the program who are pursuing an astronomy-related college degree.

"It's a testament to the really hard work (she's done)," Simons said, adding that Bence's speed at picking up complicated concepts is extraordinary.

Simons suggested that the results of the project could end up being professionally published as other Maunakea Scholars' work has been.

"She's been racking up awards for now," Simons said. "Getting published can wait."

Bence said she will attend Yale University in the fall in the hopes of eventually obtaining a doctorate in astrophysics.

"I'm really excited!" Bence said. "I met a lot of cool people when I visited (Yale). ... There's a big Native Hawaiian community there, and other Native American groups, too. It felt a lot like home."

Meanwhile, Simons said that the Maunakea Scholars program is nearing its 1,000th student participant this year, and Onishi said he hopes to work with the state Legislature to pursue additional funding for the program.

Email Michael Brestovansky at [mbrestovansky@hawaiitribune-herald.com](mailto:mbrestovansky@hawaiitribune-herald.com).





Mahalo

