

# Welcome to Workshop on Ghost Particle Hunting: Neutrino Physics and Its Applications to World Peace





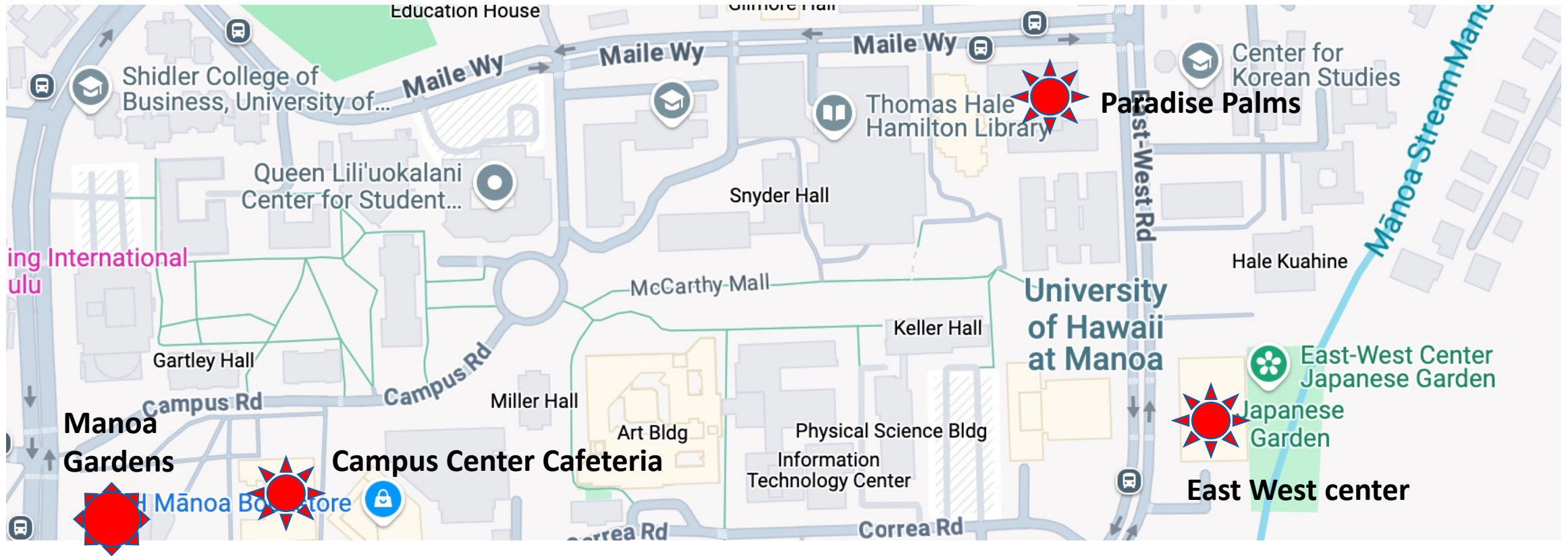
# Logistics

- Breakfast served at 8:30 am on Tuesday, Wednesday and Friday.
- Coffee Breaks in the morning and afternoon.
- Lunch on your own (Paradise Palms, Manoa Garden, Campus Center Cafeteria)
- Thursday: free day (google sign up sheet for self-organized activities circulated previously). *Cherrill has 4 tickets for Diamond Head hike.*
- A sign-up sheet link is available on the workshop indico page.
- There is limited parking on campus – recommend Uber or Lyft.





# Lunch options



# WiFi and Zoom Link

- Wifi connection for all days of the workshop:
- SSID: EWC-Events
- Code: PHYSICS2025
- Zoom link:
- <https://hawaii.zoom.us/meeting/register/bhIIRH2xSmCBcMnFNRoZKg>
- Meeting ID: 845 4155 8769
- Passcode: AWY66295

# Instructions to John's house

- [2032 Alaeloa St, Honolulu, HI](#)

Overview

Welcome reception

Timetable

Contribution List

My Conference

My Contributions

Registration

Participant List

Lodging Information

Organizing Committee

Zoom link info

Thursday - signup sheet  
link:

Carpooling sign-up sheet  
for dinner at John's place



## East-West Center

1601 East-West Rd, Honolulu, HI 96848

➤ Get on I-H-1 E from Dole St and University Ave

4 min (0.8 mi)

⬆ Merge onto I-H-1 E

4 min (3.0 mi)

➤ Take Halekoa Dr to Alaeloa St

6 min (1.7 mi)

## 2032 Alaeloa St

Honolulu, HI 96821

Carpooling signup sheet available on Workshop indico page. Drivers please sign up!  
<https://indico.phys.hawaii.edu/event/2457/>

<b>7 - Greetings and Research Highlights from the Vice President for Research and Innovation Symros</b>	Vassilis Symros 🇬🇷
<b>8 - Sponsor: Nalu Scientific</b>	Isar Mostafanezhad 🇮🇷
<b>9 - John Learned: novel ideas about ghost particles</b>	Francis Halzen
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	09:20 - 09:50 🇺🇸
<b>10 - Solar Neutrino Puzzle</b>	Art McDonald
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	09:50 - 10:20 🇺🇸
<b>48 - Workshop Photo</b>	🇺🇸
<b>Coffee break</b>	
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	10:30 - 11:00 🇺🇸
<b>11 - Neutrino Oscillations - discovery with SuperK, connections with John Learned discovery with SuperK, status and future outlook</b>	Mark Messier
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	11:00 - 11:30 🇺🇸
<b>12 - IMB and discovery of 1987A supernovae neutrinos</b>	Robert Svoboda
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	11:30 - 12:10 🇺🇸

## LUNCH

<b>41 - Construction of IMB and searching for proton decay</b>	Richard Bionta et al.
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	13:30 - 14:00 🇺🇸
<b>14 - Modern perspectives on Stellar Collapse</b>	David Vartanyan
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	14:00 - 14:30 🇺🇸
<b>15 - Physics constraints from SN1987A detection</b>	Shirley Li
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	14:30 - 15:00 🇺🇸
<b>Coffee Break</b>	
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	15:00 - 15:30 🇺🇸
<b>16 - IMB, to SuperK to GadZooks and DSNB</b>	Mark Vagins
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	15:30 - 16:00 🇺🇸
<b>17 - Modern searches for supernovae</b>	Daniel 🇮🇷🇺🇸y
Hawai'i Imin International Conference Center/Second-226 - Pacific Room, East-West Center	16:00 - 16:30 🇺🇸