

IEEE Region 6 Central Area Meeting

April 15-18, 2016

Schedule of Events

Friday, April 15th

<u>Time</u>	<u>Event</u>	<u>Location</u>
6:00 PM—8:30 PM	Distinguished Lecturer Seminars: Wearable and IoT Devices From 2016 Consumer Electronics Show and their Practical Applications by Joseph Wei Digital Storage at the CES and the Storage Visions Conference, 5K Years of Storage by Tom Coughlin	iLab (Bldg. 37)

Saturday, April 16th

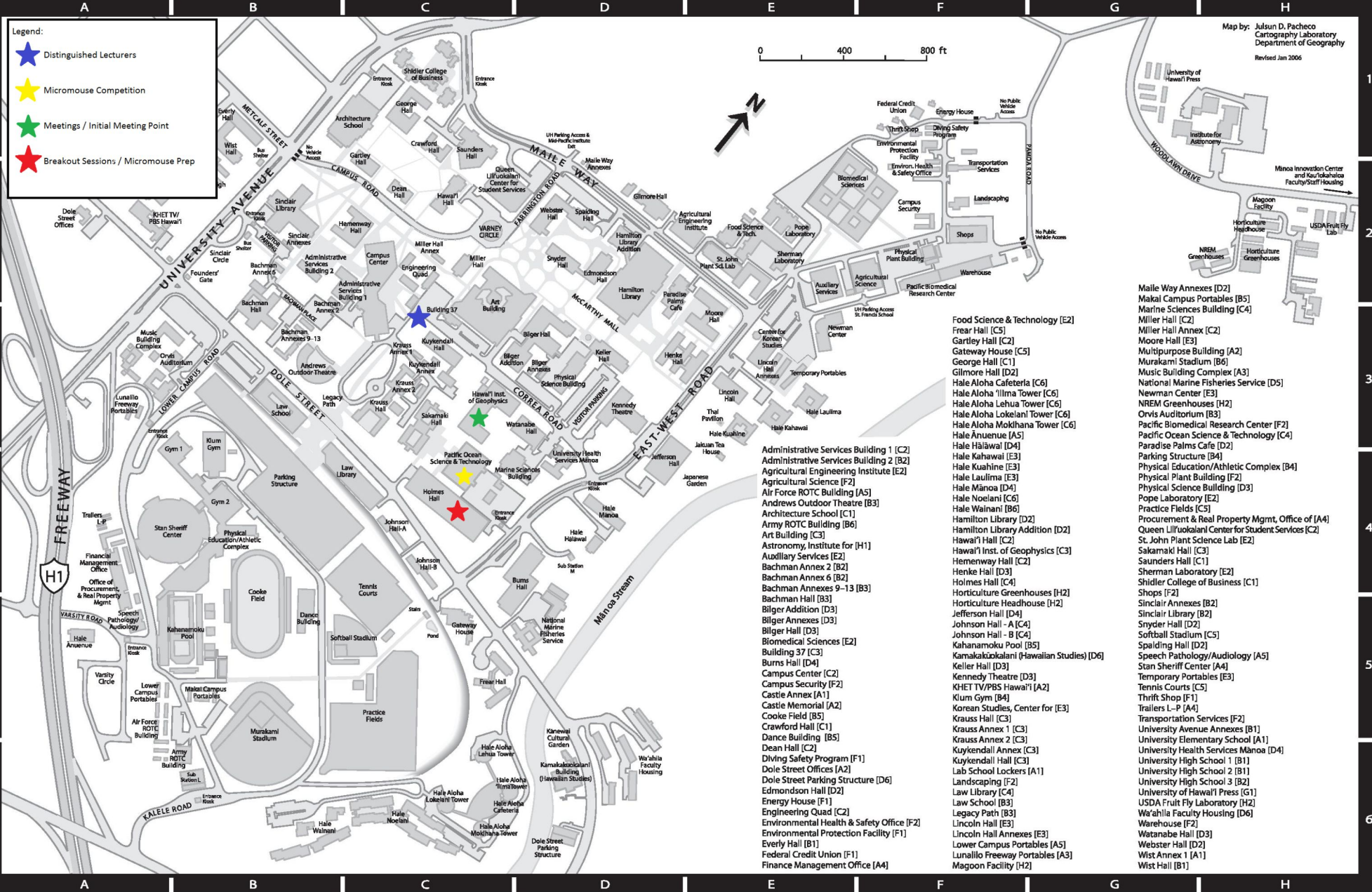
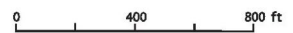
<u>Time</u>	<u>Event</u>	<u>Location</u>
8:00 AM	Registration and Breakfast	HIG 110
8:30 AM	Introduction / Region 6 News and Objectives	HIG 110
9:00 AM	Section and Student Branch Report	HH 110
10:00 AM	Break	
10:30 AM	Design Contests / Micromouse Prep / Section Breakout	HH 389; HH 411; HH 244
12:30 PM	Lunch	HH Ground Floor
1:30 PM	Campus Tour / Underwater Robotics Demonstration	Meet at HIG 110
2:30 PM	Micromouse Competition	POST 214
5:30 PM	Awards / Closing Remarks	HIG 110

Monday, April 18th

<u>Time</u>	<u>Event</u>	<u>Location</u>
6:00 PM—7:30 PM	Distinguished Lecturer Seminar: Navigation to GPS and Future Systems by Kathleen Kramer	iLab (Bldg. 37)

Legend:

- ★ Distinguished Lecturers
- ★ Micromouse Competition
- ★ Meetings / Initial Meeting Point
- ★ Breakout Sessions / Micromouse Prep



- Food Science & Technology [E2]
- Frear Hall [C5]
- Gartley Hall [C2]
- Gateway House [C5]
- George Hall [C1]
- Gilmore Hall [D2]
- Hale Aloha Cafeteria [C6]
- Hale Aloha 'Ilima Tower [C6]
- Hale Aloha Lehua Tower [C6]
- Hale Aloha Lokekani Tower [C6]
- Hale Añuenua [A5]
- Hale Hāhāwai [D4]
- Hale Kahawai [E3]
- Hale Kuahine [E3]
- Hale Laulima [E3]
- Hale Noelani [C6]
- Hale Wainani [B6]
- Hamilton Library [D2]
- Hamilton Library Addition [D2]
- Hawai'i Hall [C2]
- Hawai'i Inst. of Geophysics [C3]
- Auxiliary Services [E2]
- Hemenway Hall [C2]
- Henke Hall [D3]
- Holmes Hall [C4]
- Horticulture Greenhouses [H2]
- Horticulture Headhouse [H2]
- Jefferson Hall [D4]
- Kennedy Theatre [D3]
- KHET TV/PBS Hawai'i [A2]
- Klum Gym [B4]
- Korean Studies, Center for [E3]
- Krauss Hall [C3]
- Krauss Annex 1 [C3]
- Krauss Annex 2 [C3]
- Kuykendall Annex [C3]
- Kuykendall Hall [C3]
- Lab School Lockers [A1]
- University High School 1 [B1]
- University High School 2 [B1]
- University High School 3 [B2]
- University of Hawai'i Press [G1]
- Law School [B3]
- Legacy Path [B3]
- Lincoln Hall [E3]
- Lincoln Hall Annexes [E3]
- Lower Campus Portables [A5]
- Lunailo Freeway Portables [A3]
- Magoon Facility [H2]
- Murakami Stadium [B6]
- Murakami Stadium [B6]
- Murakami Stadium [B6]
- National Marine Fisheries Service [D5]
- Newman Center [E3]
- NREM Greenhouses [H2]
- Orvis Auditorium [B3]
- Pacific Biomedical Research Center [F2]
- Pacific Ocean Science & Technology [C4]
- Paradise Palms Cafe [D2]
- Parking Structure [B4]
- Physical Education/Athletic Complex [B4]
- Physical Plant Building [F2]
- Physical Science Building [D3]
- Pope Laboratory [E2]
- Practice Fields [C5]
- Procurement & Real Property Mgmt, Office of [A4]
- Queen Lili'uokalani Center for Student Services [C2]
- St. John Plant Science Lab [E2]
- Sakamaki Hall [C3]
- Saunders Hall [C1]
- Sherman Laboratory [E2]
- Shidler College of Business [C1]
- Shops [F2]
- Sinclair Annexes [B2]
- Sinclair Library [B2]
- Snyder Hall [D2]
- Softball Stadium [C5]
- Spalding Hall [D2]
- Speech Pathology/Audiology [A5]
- Stan Sheriff Center [A4]
- Temporary Portables [E3]
- Tennis Courts [C5]
- Thrift Shop [F1]
- Trailers L-P [A4]
- Transportation Services [F2]
- University Avenue Annexes [B1]
- University Elementary School [A1]
- University Health Services Manoa [D4]
- University High School 1 [B1]
- University High School 2 [B1]
- University High School 3 [B2]
- University of Hawai'i Press [G1]
- USDA Fruit Fly Laboratory [H2]
- Wa'ahila Faculty Housing [D6]
- Warehouse [F2]
- Watatane Hall [D3]
- Webster Hall [D2]
- Wist Annex 1 [A1]
- Wist Hall [B1]

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Distinguished Lecturer

Wearables and IoT Devices from 2016 Consumer Electronic Showcase and their Practical Applications

Abstract: Consumer Electronics Show Download will focus on new wearable and IoT products from the 2016 CES in Las Vegas, to be followed with an illustration of several business models for wearables and IoT devices.



Speaker: Joseph Wei

Biography: Joseph Wei is a co-founder and Managing Director of Lab36 (www.Lab360.com), an incubator that provides investment, mentorship, and business acceleration for early stage startups focusing on IoT, wearable, and other smart, connected hardware solutions. Lab360 is supported by Qihoo 360 (NYSE:QIHU), one of the leading Internet companies in China. Joseph is an experienced entrepreneur, technologist and mentor. Prior to Lab360, he founded SJW Consulting Inc., (www.sjwconsulting.com) a technology and business strategy consulting firm advising global 1000 technology and financial clients on technology trends and business strategy. He has led several new businesses that pioneered innovative products that totaled over \$1 billion in revenue when he held executive positions at Inventec Corp. (a top 5 ODM from Taiwan), Silicon Graphics Inc. (SGI), NEC and DEC (acquired by Compaq/HP). He is recognized for his expertise in wearables, IoT, Cloud computing, and is a frequent speaker and author on these topics. He is a senior member of IEEE, the world's largest technical professional association with over 440,000 members, the Chair of the Santa Clara Valley IEEE Section with the world's largest number of IEEE chapters and members, Board of Governors, 2013 - 2014 Chair and current Vice Chair of the Consumer Electronics Society. He is on the advisory board of several startups, as well as a mentor to AngelHack HACKcelerator and Royselaw AgTech Incubator.

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Distinguished Lecturer

Digital Storage at the CES and the Storage Visions Conference, 5K Years of Storage

Abstract: Digital Storage is an important enabling technology for consumer devices and consumer applications both in the devices and in the cloud. At the 2016 Consumer Electronics Show and the partner event, the Storage Visions Conference the latest digital storage technology for consumer applications was on display. This talk reviews some of the established and emerging storage and memory products as well as infrastructure to support these products. Tom will also share some of the unusual and interesting things he observed in January 2016.



Speaker: Tom Coughlin

Biography: Tom Coughlin, President, Coughlin Associates is a widely respected digital storage analyst as well as business and technology consultant. He has over 35 years in the data storage industry with multiple engineering and management positions at high profile companies. Dr. Coughlin has many publications and six patents to his credit. Tom is also the author of *Digital Storage in Consumer Electronics: The Essential Guide*, which was published by Newnes Press. Coughlin Associates provides market and technology analysis as well as Data Storage Technical and Business Consulting services. Tom publishes the Digital Storage Technology Newsletter, the Media and Entertainment Storage Report, the Emerging Non-Volatile Memory Report and other industry reports. Tom is also a regular contributor on digital storage for Forbes.com and other blogs. Tom is active with SMPTE, SNIA, the IEEE (he is Director for IEEE Region 6 and active in the Consumer Electronics Society) and other professional organizations. Tom is the founder and organizer of the Annual Storage Visions Conference (www.storagevisions.com), a partner to the International Consumer Electronics Show, as well as the Creative Storage Conference (www.creativestorage.org). He is the general chairman of the annual Flash Memory Summit. He is a Senior member of the IEEE, Leader in the Gerson Lehrman Group Councils of Advisors and a member of the Consultants Network of Silicon Valley (CNSV). For more information on Tom Coughlin and his publications go to www.tomcoughlin.com.

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Distinguished Lecturer

Navigation to GPS and Future Systems

Abstract: This talk introduces the field of navigation, including the evolution of techniques up through modern navigation. The working of today's most ubiquitous method, the satellite network known as GPS, is based on a constellation of satellites. The wide availability of first personal vehicle GPS navigation and later mobile phone-based navigation have changed how the world does business and how people and goods travel. As more and more vehicles and people rely upon it, though, threats to GPS navigation become more dangerous. New secure solutions are being developed as threat awareness increases.



Speaker: Kathleen A. Kramer

Biography: Kathleen A. Kramer is a Professor of Electrical Engineering at the University of San Diego. She is the 2015-16 DirectorElect for IEEE Region 6 (Western USA) and Vice President for Education of the IEEE Aerospace Electronic Systems Society (AESS). She maintains an active research agenda and has over 90 publications in the areas of multi-sensor data fusion, intelligent systems, and neural and fuzzy systems and is also chair of the IEEE AESS Cyber Security Technical Panel. She has been a Member of Technical Staff at several companies, including ViaSat, Hewlett Packard, and Bell Communications Research. She received her doctorate and masters in electrical engineering from the California Institute of Technology and her bachelors in electrical engineering from Loyola Marymount University.

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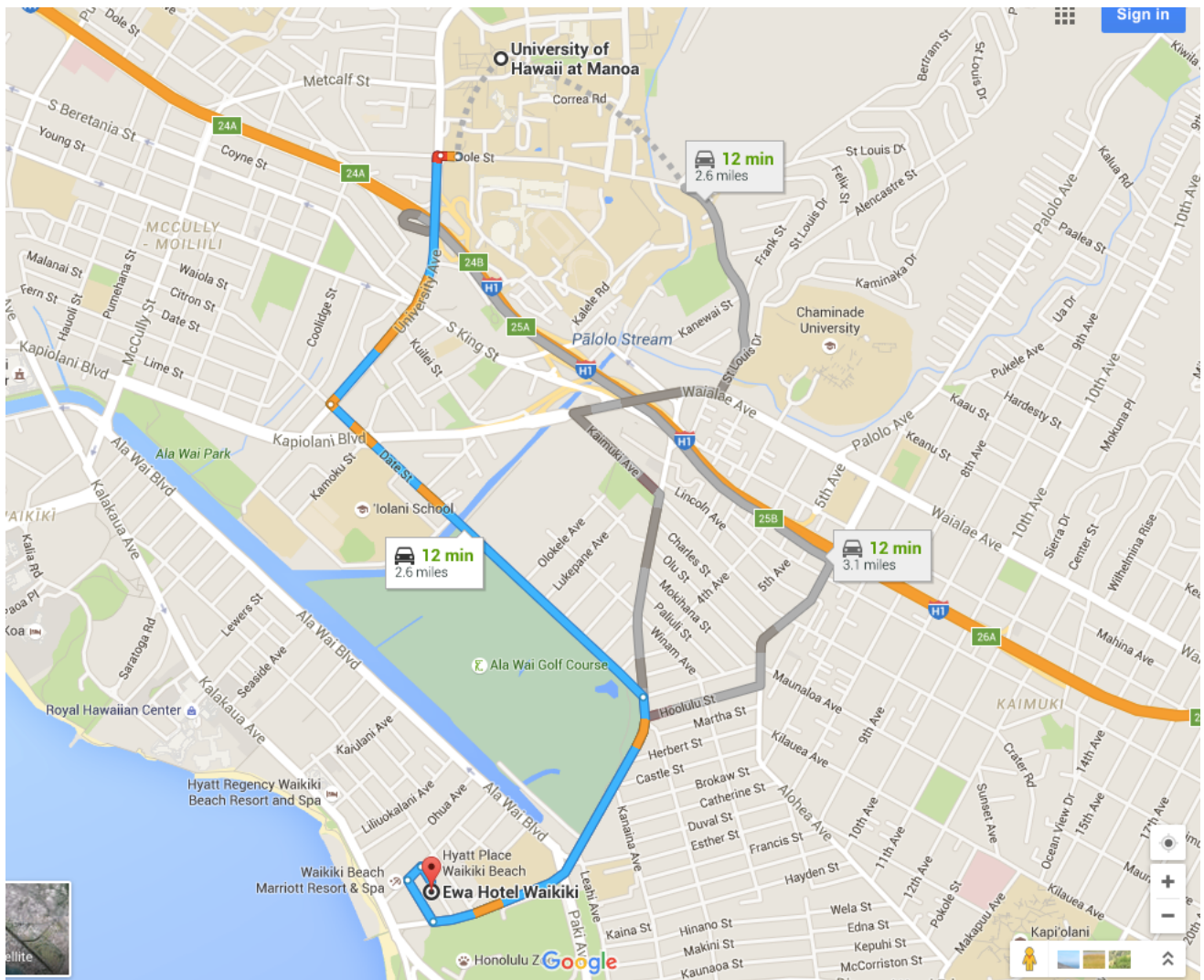
Map from Ewa Hotel to UH Manoa

Rides from Ewa Hotel to UH will be offered during before and after events.

Friday: 5:30PM to 6PM and 8:30PM to 9PM

Saturday: 7:30AM to 8AM and 30 minutes after dinner

Meet in the hotel lobby.



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Transportation Options

Trip:

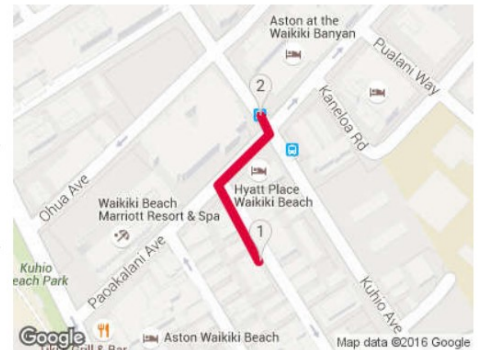
1 Walk, line 13 bus

One-Way approx: \$2.50

Duration: 20min

Ewa Hotel Waikiki, Honolulu

Walk from Ewa Hotel Waikiki, Honolulu to Kuhio Ave + Paoakalani Ave



FROM	TO
Ewa Hotel Waikiki, Honolulu	Kuhio Ave + Paoakalani Ave
DISTANCE	DURATION
569 feet	2min

Kuhio Ave + Paoakalani Ave

Line 13 bus from Kuhio Ave + Paoakalani Ave to Dole St + East-West Rd (One-Way approx: \$2 USD)

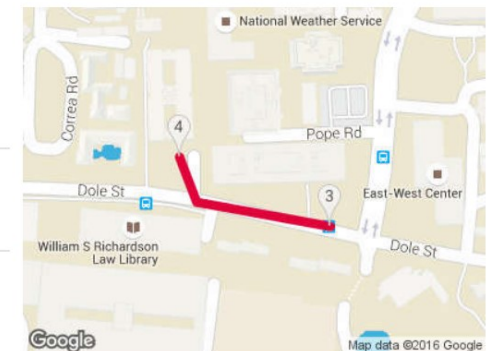
Line 13



FROM	TO	AGENCY
Kuhio Ave + Paoakalani Ave	Dole St + East-West Rd	TheBus
FREQUENCY	DURATION	SCHEDULES
every 20 minutes	16min	THEBUS.ORG

Dole St + East-West Rd

Walk from Dole St + East-West Rd to University of Hawaii at Manoa



FROM	TO
Dole St + East-West Rd	University of Hawaii at Manoa
DISTANCE	DURATION
571 feet	2min

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Transportation Options

Trip:
2 Taxi

One-Way approx: \$16 - \$19USD
Duration: 5min
Ewa Hotel Waikiki, Honolulu

Taxi from Ewa Hotel Waikiki, Honolulu to University of Hawaii at Manoa
(One-Way approx: \$16 - \$19 USD)

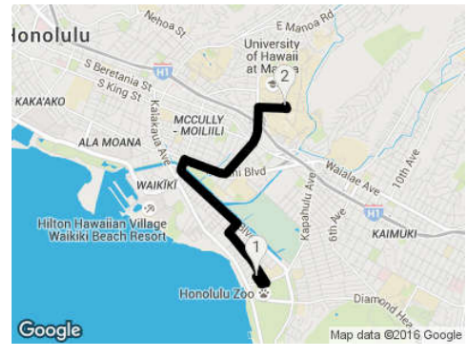


FROM	TO	AGENCY
Ewa Hotel Waikiki, Honolulu	University of Hawaii at Manoa	EcoCab +1 808-979-1010 The Cab +1 808-422-2222
DISTANCE	DURATION	
3.2 miles	5min	

Trip:
3 Uber

One-Way approx: \$7 - \$10USD
Duration: 5min
Ewa Hotel Waikiki, Honolulu

Uber from Ewa Hotel Waikiki, Honolulu to University of Hawaii at Manoa
(One-Way approx: \$7 - \$10 USD)

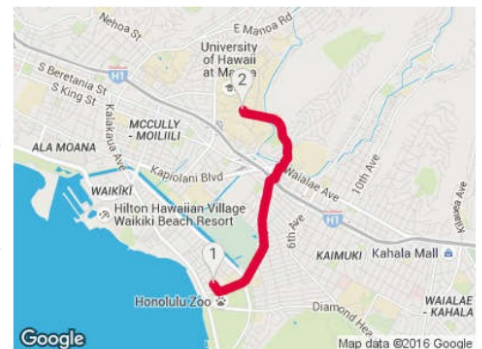


FROM	TO	AGENCY
Ewa Hotel Waikiki, Honolulu	University of Hawaii at Manoa	Uber Honolulu
FREQUENCY	DURATION	SCHEDULES
on demand	5min	UBER.COM

Trip:
4 Walk

One-Way approx: N/A
Duration: 46min
Ewa Hotel Waikiki, Honolulu

Walk from Ewa Hotel Waikiki, Honolulu to University of Hawaii at Manoa



FROM	TO
Ewa Hotel Waikiki, Honolulu	University of Hawaii at Manoa
DISTANCE	DURATION
2.4 miles	46min