

IEEE Region 6 Central Area Meeting

April 15-18, 2016

Schedule of Events

Friday, April 15th

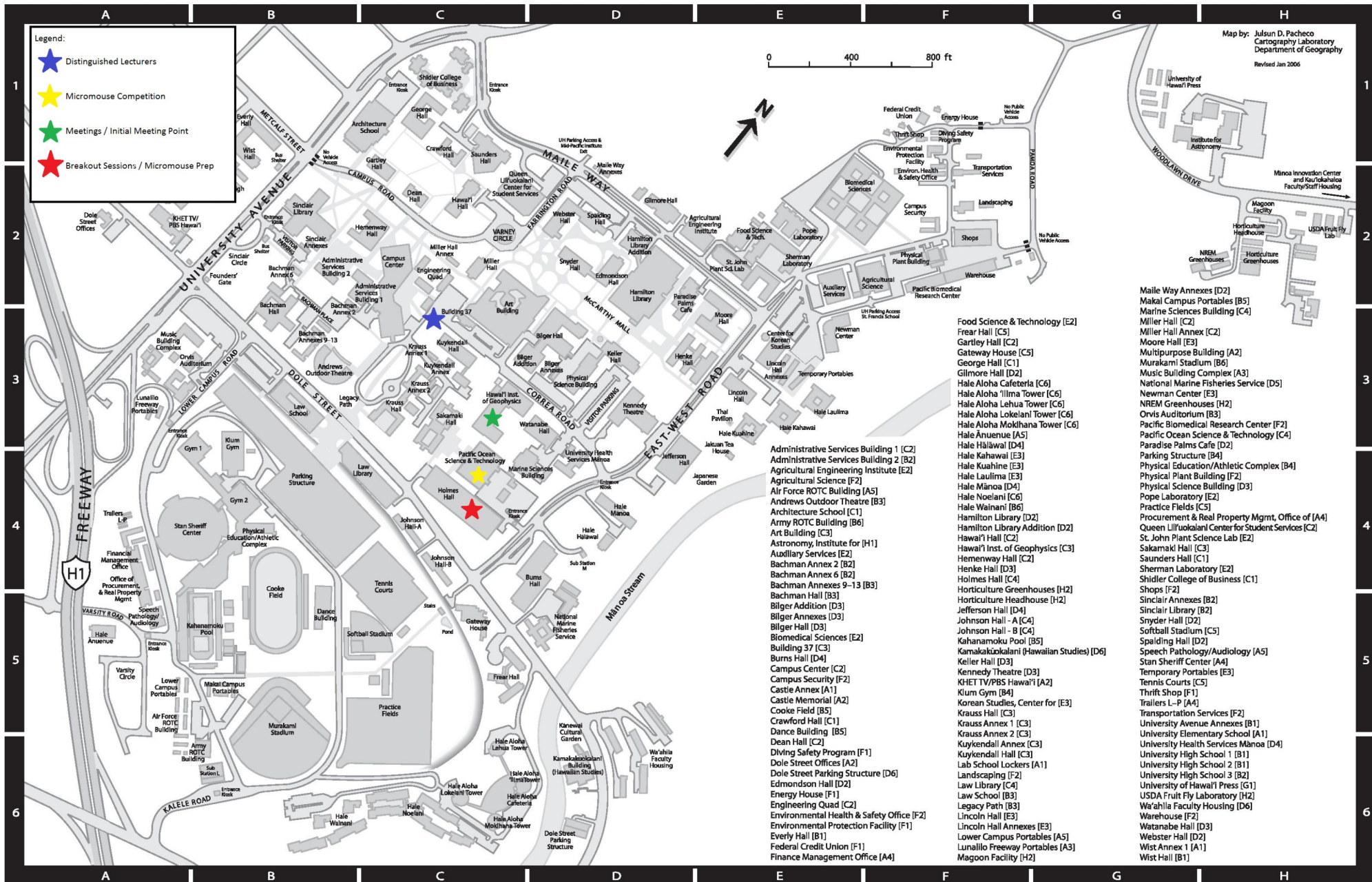
| <u>Time</u> | <u>Event</u> | <u>Location</u> |
|-----------------|---|-----------------|
| 6:00 PM—8:30 PM | Distinguished Lecturer Seminars: Wearable and IoT Devices From 2016 Consumer Electronics Show and their Practical Applications by Joseph Wei Digital Storage at the CES and the Storage Visions 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) |



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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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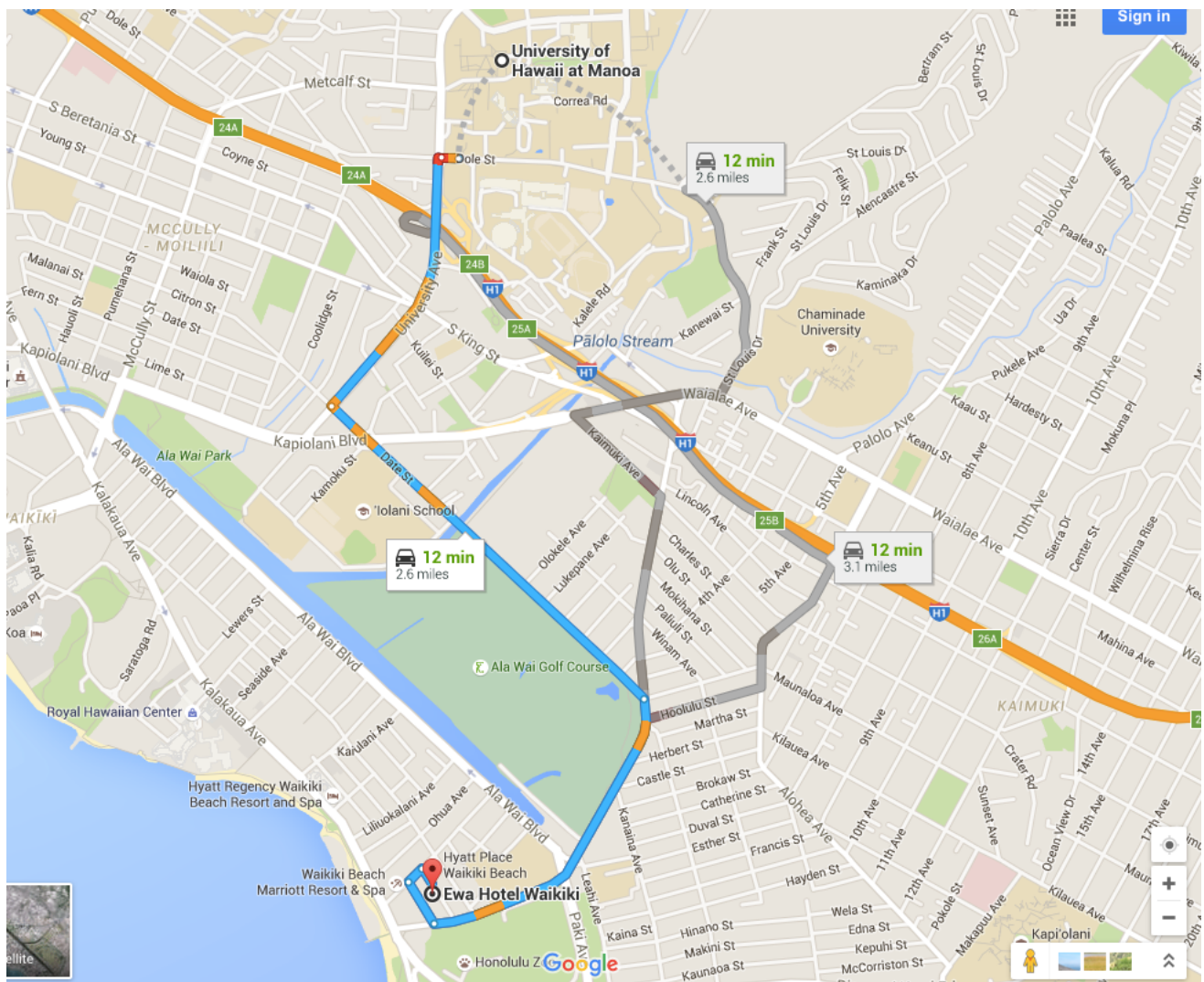
Map from Ewa Hotel to UH Manoa

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

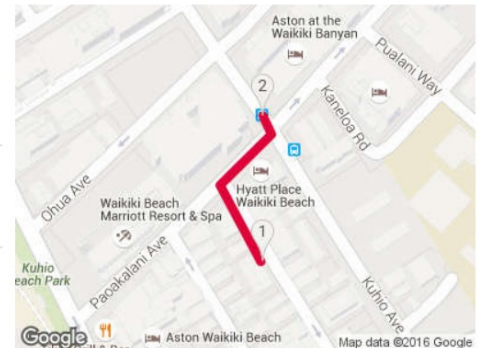
One-Way approx: \$2.50

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

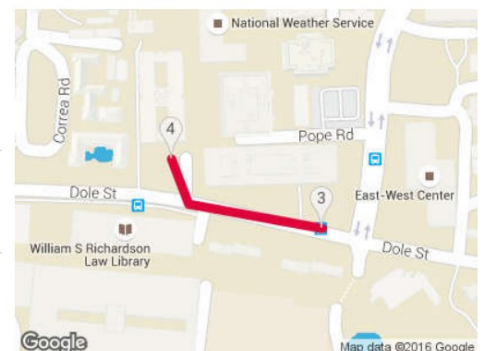
| FROM | TO | AGENCY |
|----------------------------|------------------------|--|
| Kuhio Ave + Paoakalani Ave | Dole St + East-West Rd | TheBus |
| FREQUENCY | DURATION | SCHEDULES |
| every 20 minutes | 16min | THEBUS.ORG |



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 |

