

15th Annual

Hawai'i Floodplain Management Conference

August 12–13, 2019

The Ala Moana Hotel



Ho'o Laulima

"Many Hands Working Together"



Aloha!

The “Hawai‘i Floodplain Managers Conference” is now the Hawai‘i Floodplain Management Conference. We felt a name change was appropriate because over the past 14 years of hosting this popular event, the conference has grown into a diverse group that represents a broad range of disciplines and floodplain management partners.

The inspiration for this year’s theme, *Ho‘o Laulima* (“Many Hands Working Together”) came from witnessing the many hands that worked together to assist in rebuilding our beautiful island state this past year after multiple disasters.

Mahalo for joining us for the 15th annual 2-day Hawai‘i Floodplain Management Conference. We hope that you learn and share ideas about relevant issues, programs, and projects from subject matter experts in the floodplain management community.

The 2019 Hawai‘i Floodplain Management Conference

Sponsored by

State of Hawai‘i, Department of Land and Natural Resources, Engineering Division



KEYNOTE ADDRESS

8:30 – 9:15 AM
MONDAY, AUGUST 12, 2019

Policies, Programs and Resources: What’s New in the World of Floodplain Management

With flooding on the rise nationally and worldwide, our policies, programs and resources are changing too. Hear about what is happening on the national policy level in floodplain management as well as new programs that can be used to tackle these challenges. Finally, hear about some new tools and resources the Association of State Floodplain Managers is developing to help states, communities, the private sector and public manage flood risks more effectively.



Chad Berginnis, CFM

Association of State Floodplain Managers
Executive Director

In 2011, Mr. Berginnis joined the staff of the Association of State Floodplain Managers (ASFPM). Since 1993, his work has focused on floodplain management, hazard mitigation, and land use planning at the state, local and private sector levels. Chad is a recognized national expert in floodplain management and hazard mitigation having participated in national research groups such as the National Academies of Science, General Accountability Office interviews, presented Congressional testimony, and provided input to local, state, national, and international governments. Chad has a Bachelor of Science in Natural Resources from Ohio State University.

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FEMA Assessment of State Floodplain Management Regulations for State-Owned Properties in the SFHAs

Just as each of our four counties are considered a participating communities in the NFIP, so is the State of Hawai'i. What does this mean? The State must also have floodplain management regulations for State-owned properties in a Special Flood Hazard Area.

FEMA is assessing all of the State's enabling legislation that demonstrates its ability to comply with 44CFR Part 60 Subpart B (Requirements for State Floodplain Management Regulations). This presentation explains what State agencies may be affected by FEMA's findings.



Carol Tyau-Beam, P.E., CFM

State Dept. of Land and Natural Resources, Engineering Division
State National Flood Insurance Program (NFIP) Coordinator

Carol Tyau-Beam is an engineer with the Dept. of Land and Natural Resources' Engineering Division, and the State of Hawai'i's NFIP Coordinator. The State NFIP Coordinator acts as a liaison between the FEMA and the four counties to ensure that each is properly administering and enforcing floodplain development regulations. In addition, she also conducts outreach and training for NFIP stakeholders that include: government officials, design professionals, surveyors, insurance agents, lenders, Realtors, and property owners.

Hawai'i Floodplain Management's Conference

Hawai'i Homeless Initiative

Homelessness is an issue of growing concern in Hawai'i and across the United States. This presentation provides an overview of the State of Hawai'i's efforts to address homelessness, including efforts to expand housing inventory and implement housing-focused services.



Scott Morishige

State Dept. of Human Services
Governor's Coordinator on Homelessness

Scott Morishige was appointed to his position as the Governor's Coordinator on Homelessness in August, 2015. He serves as the point person for all the homeless issues in the state, and works closely with Governor David Ige and his cabinet. Scott's office is responsible for broad policy direction and the coordination of Hawai'i's many stakeholders surrounding homelessness. Scott holds a Master Degree of Social Work from the University of Hawai'i at Manoa and a Bachelor's Degree in Political Science from Oregon State University. Born and raised in Hawai'i, Scott is a graduate of Mid-Pacific Institute.

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Case Study: Kahauiki Village

There is a saying that “It Takes a Village” to raise a child, but what does it take to create the Village? Built on an isolated peninsula of prime waterfront land in urban Honolulu, government agencies, utility providers, and community-minded businesses and individuals all came together to create Kahauiki Village. This presentation will discuss the challenges this project faced and how they were overcome and turned into opportunities. Among these challenges was that most of the waterfront land was significantly below the Base Flood Elevation and had to be raised to comply with floodzone requirements.



Lance Takehara, PE, LEED AP BD+C
Bowers + Kubota
Project Manager

Lance is a Project Manager with over 14 years of experience on various industrial, commercial, and residential projects. He has past infrastructure planning experience with clients such as Google, Inc., schools, community colleges, residential subdivisions, and various government agencies.

Building Codes and Floodplain Management Ordinances: Identify and Working with Differences

The 1st part of the four-speaker panel will focus on the State of Hawai'i's adoption of the new State Building Code and Residential Code (2012 IBC/2012 IRC) and Act 141 (2017)—legislation mandating the State Building Code Council (SBCC) to adopt the current ICC code within 2 years of its publication.

Douglas Haigh, P.E.

County of Kaua'i, Dept. of Public Works
Building Division Chief

Doug Haigh earned his Bachelor of Science degree in Construction Management at Cal Poly San Luis Obispo and his MBA from the University of Hawai'i (UH) at Manoa. Early in his career, Doug spent 10 years working in construction management at Hawaiian Dredging and Construction and Pacific Construction. He then made the move to the public sector and joined the County of Kaua'i, where he has been the past 27 years. Doug is also a member of the State Building Code Council (SBCC) representing the County of Kaua'i. When not working or volunteering his time on the SBCC, Doug enjoys family time with his wife and two sons who are both UH Manoa graduates. He's an avid surfer and gardener.

Building Codes and Floodplain Management Ordinances: Identify and Working with Differences

Participation in the National Flood Insurance Program (NFIP) is voluntary. However, there are many benefits to a community for joining the NFIP such as Federally subsidized flood insurance is made available throughout the community, Federal disaster assistance and many forms of mitigation grants are accessible. To join the Program, a community must adopt floodplain management regulations that meet or exceed the minimum NFIP criteria set forth in 44CFR§60.3.

The 2nd part of the four-speaker panel will compare each of Hawaii's four participating community's stand-alone floodplain management ordinances and highlight the higher regulatory standards that each county has electively adopted to increase safe floodplain development within their respective counties.

Carol Tyau-Beam, P.E., CFM

State Dept. of Land and Natural Resources, Engineering Division

State National Flood Insurance Program (NFIP) Coordinator

Building Codes and Floodplain Management Ordinances: Identify and Working with Differences

The 3rd part of the four-speaker panel will cover:

- The differences in flood provisions between the 2006 IBC/IRC and the 2012 IBC/IRC;
- Key differences between flood provisions in the 2012 IBC/IRC and local “stand-alone” ordinances;
- Expose the challenges of having to enforce both the codes and ordinances (duplication, conflicts);
- Local amendments—strengthen flood provisions
- Brief on changes between 2012 and 2018.

Rebecca Quinn, CFM

RCQuinn Consulting, representing FEMA Building Science
Rebecca Quinn, CFM, president of RCQuinn Consulting, Inc., specializes in floodplain management and mitigation, with particular focus on the National Flood Insurance Program and the International Building Codes. For 10 years she was Maryland's NFIP State Coordinator and the State Hazard Mitigation Officer. Since 1998, she has been a consultant to FEMA on matters related to building codes and publications. In addition, she has worked with local jurisdictions, state agencies, and other clients involved in preparing building code coordinated model floodplain management ordinances, producing guidance documents, evaluating programs, and implementing mitigation projects.

Disaster Recovery Reform Act of 2018 (DRRA) – A Brief Overview

This last part of the four-speaker panel will focus on the Disaster Recovery Reform Act of 2018 (DRRA). The DRRA of 2018 is one of the most significant legislative acts that directly impacts future disaster recovery efforts, and how FEMA will interact with impacted states and communities. This brief will attempt to provide an overview of the more relevant sections that deal with building code adoption, and implications for community resilience.



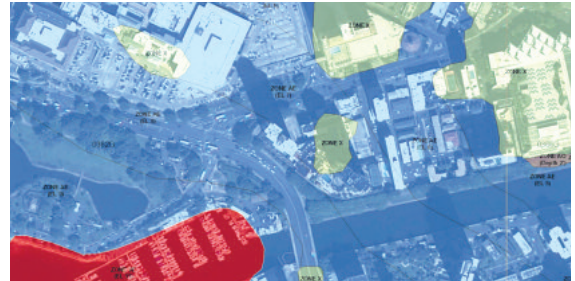
Michael Hornick, CCPA, CFM

FEMA Region IX, Mitigation Division
Natural Hazards Program Specialist

Michael has been with the federal government for 32 years serving in the National Oceanic and Atmospheric Administration and with FEMA in various Mitigation positions since 1992 (currently a Natural Hazards Program Specialist). He has been deployed to over 30 Presidential Declarations across mainland U.S., Hawai'i, and Pacific nations and territories. Michael is also the FEMA RIX Building Science Coordinator, and has been the interim lead for the FEMA RIX Dam Safety and Hurricane Programs, NEHRP lead, and as regional representative to the National Tsunami Hazard Mitigation Program.

Hawai'i Flood Hazard Assessment Tool (FHAT) Updates

This presentation will cover the latest additions and updates to the Flood Hazard Assessment Tool (FHAT). It will include an overview of the latest improvements and capabilities.



Steven Lettau, RLA, GISP, LEED Green Associate

The Onyx Group
Principal

Steven Lettau is the Principal of the Honolulu office of The Onyx Group. He has over 30 years of project management and development experience for GIS applications for numerous clients in the Pacific. Mr. Lettau has lead the FHAT development team since its inception.

Monday, August 12, 2019

7:30 AM – 8:00 AM Registration

8:00 AM – 8:30 AM **Opening Remarks**

8:30 AM – 9:15 AM Keynote Address

Policies, Programs, and Resources: What's New in the World of Floodplain Management

Chad Berginnis CFM, Association of State Floodplain Managers, Executive Director

9:15 AM – 10:00 AM

FEMA Assessment of State Floodplain Management Regulations for State-Owned Properties in the SFHAs

Carol Tyau-Beam P.E., CFM, State Dept. of Land & Natural Resources, State NFIP Coordinator

10:00 AM – 10:15 AM Morning Break

10:15 AM – 11:15 AM

Hawai'i Homeless Initiative

Scott Morishige, State Dept. of Human Services, Governor's Coordinator on Homelessness

Case Study: Kahauiki Village

Lance Takehara P.E., LEED AP BD+C, Bowers + Kubota, Engineer, Project Manager

11:15 AM – 12:45 PM

Lunch Break (*See page 25 for nearby restaurant suggestions*)

12:45 PM – 2:30 PM

Panel Discussion

Building Codes and Floodplain Management Ordinances: Identify and Working with Differences

Douglas Haigh P.E., County of Kaua'i, Dept. of Public Works, Building Division Chief

Carol Tyau-Beam P.E., CFM, State Dept. of Land & Natural Resources, State NFIP Coordinator

Rebecca Quinn CFM, RCQuinn Consulting, representing FEMA Building Science

Disaster Recovery Reform Act of 2018 (DRRA) – A Brief Overview

Michael Hornick CCPA, CFM, FEMA Region IX, Mitigation Division, Natural Hazards Program Specialist

2:30 PM – 2:45 PM

Afternoon Break

2:45 PM – 3:30 PM

Hawai'i Flood Hazard Assessment Tool (FHAT) Updates

Steven Lettau RLA, GISP, LEED Green Associate, The Onyx Group, Principal

3:30 PM – 4:00 PM

Closing Remarks Adjourn for the day

Tuesday, August 13, 2019

7:30 AM – 8:00 AM	Registration			
8:00 AM – 8:15 AM	Opening Remarks			
8:15 AM – 9:00 AM	Flood Insurance Data Edie Lohmann ANFI, CFM, MBA, FEMA Region IX, Mitigation Division NFIP Insurance Specialist			
9:00 AM – 9:45 AM	Base Level Engineering Eric Simmons CFM, FEMA Region IX, Mitigation Division, Senior Engineer			
9:45 AM – 10:00 AM	Morning Break			
10:00 AM – 10:45 AM	Adapting to Sea Level Rise: Strategies for Hawai'i's Coastal Highways Ed Sniffen P.E., State of Hawai'i Dept. of Transportation, Highways Division, Deputy Director			
10:45 AM – 11:30 AM	The 2018 Hurricane Season and Impacts Across Hawai'i Dr. Alison Nugent Ph.D., U.H. at Manoa, SOEST, Atmospheric Sciences, Assistant Professor			
11:30 AM – 12:00 PM	Transition: Pickup lunch in the Garden Lanai Ballroom and report to Hui group by 12:00 noon.			
12:00 PM – 2:15 PM	Select a Hui Group of your interest. The 1-hour Hui Group format is designed for ample discussion and interactive Q&A.			
Hui Group:	A	B	C	D
Discussion Topic:	What's the Connection? Flood Insurance & Mapping	Is Your Project Compliant? Building Codes	How to Get Your Project Funded Mitigation Grant Funding	New Directives Driven by SLR Sea Level Rising
Hui Steersman:	Edie Lohmann & Eric Simmons	Rebecca Quinn	Philip Wang & Larry Kanda	Matt Gosner
Meeting Location:	Plumeria Meeting Room	'Ilima Meeting Room	Garden Lanai Ballroom	Garden Lanai Ballroom
2:15 PM – 2:30 PM	Afternoon Break			
2:30 PM – 3:15 PM	3D Elevation Program (3DEP) – Status for Hawai'i , Drew Decker, U.S. Geological Survey, National Map Liaison			
3:15 PM – 3:45 PM	How to Transition to the 2022 National Coordinate System Without Getting Left Behind Edward Carlson, U.S. Dept. of Commerce / National Geodetic Survey, Pacific Region Geodetic Advisor			
3:45 PM – 4:15 PM	Dam Evacuation Maps / BWS Nu'uuanu 1 Reservoir Update Denise Manuel P.E., State Dept. of Land & Natural Resources, Engineer			
4:15 PM – 4:30 PM	Closing Remarks Adjourn for the day			

Flood Insurance Data

Discussion about FEMA's new NFIP databases, PIVOT, UCORT, JIRA and FloodSmart. We will be discussing the system's components, access, and current and future capabilities. Join us for an online guided tour of new NFIP stakeholder resources, statistics, and publications available through the new system of record. Learn FEMA's plans to completely overhaul the NFIP through these systems.



Edie Lohmann, ANFI, CFM, MBA

FEMA Region IX, Mitigation Division
NFIP Insurance Specialist

Edie is the FEMA Region IX National Flood Insurance Program (NFIP) Insurance Specialist. She has enjoyed working for the NFIP for 26 years in various capacities. She specializes in flood insurance outreach, education, and training, and provides technical assistance to NFIP stakeholders on flood insurance.

Base Level Engineering

Base Level Engineering (BLE) is a new, watershed-wide modeling method that uses high-resolution topographic data, regression equations for hydrology, and automated model building techniques. BLE can efficiently deliver updated flood hazard data across hundreds of square miles. This approach offers an important opportunity to communicate flood risk and distribute data needed for development decisions. These savings in time and cost are realized, however, typically without field survey and model calibration. FEMA started a BLE study with Honolulu since most of O'ahu is currently mapped Zone D (area with possible but undetermined flood hazards).



Eric Simmons, CFM

FEMA Region IX, Mitigation Division
Senior Engineer

Eric Simmons work focuses on the reduction of flood losses to people and the environment due to unwise floodplain development. Flood hazard mapping and other risk analysis work is the primary method of accomplishing this goal. His responsibilities include leading flood map projects and program management for mitigation activities involving digital map production, needs assessment for new hazard analyses, risk communication, and training. Eric, his wife and daughter reside in northern California.

Adapting to Sea Level Rise: Strategies for Hawai'i's Coastal Highways

Hawai'i's roads were historically built on a belt system (a road wrapping around the island). Today approximately 15-percent of state highways would be vulnerable to the forecasted 1 meter sea level rise by 2100. This presentation covers what HDOT is doing to protect coastal highways already seeing the impacts of erosion and changing shorelines and the strategies being implemented to reduce risk and maintain access in the future.



Ed Sniffen, P.E.

State of Hawai'i Dept. of
Transportation, Highways Division
Deputy Director

As the Deputy Director for Highways, Ed Sniffen has responsibility for 2,500 lane miles of highway and 741 bridges across six Hawaiian Islands. His mission is the development and improvement of our highway transportation systems to facilitate safe and efficient travel and commerce statewide. Actions he has taken towards that goal since his appointment in January 2014 include improving project delivery and procurement processes resulting in the lowest unobligated federal funding balance in 18 years. Ed is licensed professional engineer with experience in civil and structural design as well as facilities and construction management.

The 2018 Hurricane Season and Impacts Across Hawai'i

Dr. Alison Nugent's name may sound familiar or she may look familiar to you. That's because she shared the television screen with KHON2 Justin Cruz reporting on the approaching hurricanes of 2018.

Her presentation will cover an overview of the 2018 Hurricane Season, and then zoom in on the impactful storms (Lane, Olivia and Walaka). Additional discussion on rain gauge and radar analysis of the rainfall from Lane and current research submitted to the Bulletin of the American Meteorological Society (BAMS) journal will also be shared.



Alison D. Nugent, Ph.D.

U.H. at Manoa, SOEST, Atmospheric
Sciences
Assistant Professor

Dr. Alison Nugent is an Assistant Professor of Atmospheric Sciences, part of the School of Ocean and Earth Science and Technology (SOEST) at the University of Hawai'i at Manoa. Her research focuses on Mountain Meteorology, the study of how mountains influence airflow, initiate and enhance precipitation, and interact with the atmosphere to set their own local weather patterns.

Hui A

What's The Connection? Flood Insurance & Flood Maps

Participate in an interactive discussion on a new flood insurance changes, the flood insurance rate map (FIRM) revision and amendment process and how it may affect flood insurance premiums and what map revisions are on the horizon for Hawai'i.

Hui Steersmen: **Edie Lohmann, ANFI, CFM, MBA**
FEMA Region IX, Mitigation Division
NFIP Insurance Specialist

Eric Simmons, CFM
FEMA Region IX, Mitigation Division
Senior Engineer

Hui Location: **Plumeria Meeting Room**

Hui B

Is Your Project Compliant? Building Codes and Flood Regulations

Architects, engineers, building officials, did you realize that FEMA has long been working with the International Code Council on contributing in the development of the I-Codes since the first edition was published in 2000. FEMA also participates in the development in a key I-Code reference ASCE24. Since the 2009 edition, the flood provisions in each code in the series either meet or exceed the minimum requirements of the NFIP.

Hui Steersman: **Rebecca Quinn, CFM**
RCQuinn Consulting
representing FEMA Building Science

Hui Location: **Ilima Meeting Room**

Hui C

How to Get a Project Funded Mitigation Grant Funding

Discussion will focus on FEMA grant programs including description of nomination and selection process for mitigation projects, and explanation on the application process for State, County, and private entities.

Hui Steersmen:

Phillip Wang

FEMA Region IX, Mitigation Division

Senior Hazard Mitigation Grants Specialist

Phillip Wang has been with FEMA since 2007 serving as the Hazard Mitigation Planner and most recently the Senior Hazard Mitigation Specialist. His area of responsibility for the Hazard Mitigation Assistance Grants programs includes American Samoa, Arizona, California, Guam, Hawai'i, Nevada, and Northern Marianas Islands.

Larry Kanda

Hawai'i Emergency Management Agency

State Hazard Mitigation Officer (Interim)

- University of Hawai'i, B.ED,
- University of Southern California, M.ED.
- U.S. Air Force (1964–1991)
- State Civil Defense (1992–2010)
- Hawai'i Emergency Management Agency (2016–present)

Hui Location:

Garden Lanai Ballroom

Hawai'i Floodplain Management's Conference

Hui D

New Directives Driven by SLR Sea Level Rising

In July 2018, Honolulu Mayor Caldwell issued Directive 18-2. This Directive is informed by the City Climate Change Commission's Sea Level Rise Guidance and Climate Change Brief, and the State Climate Change Mitigation and Adaptation Commission's Sea Level Rise Vulnerability and Adaptation Report and Data Viewer (Dec. 2017). Effective August 9, 2019, State EIS rules now explicitly include the state sea level rise exposure area in the significance criteria. With the science and guidance clear, what interactions must be considered to develop new regulatory design flood elevations and incorporate SLR into planning and floodplain management?

Matthew Gonsler, AICP, CFM

City & County of Honolulu Office of
Climate Change, Sustainability & Resiliency

Coastal & Water Program Manager

Gonsler joined the Office of Climate Change, Sustainability and Resiliency in October 2017. His focus is on coastal and water issues, with attention to community planning and design, natural hazards mitigation, sea level rise and climate change adaptation, and green infrastructure and stormwater management.



Hui Location:

Garden Lanai Ballroom

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3D Elevation Program (3DEP) – Status for Hawai‘i

USGS manages the 3D Elevation Program (3DEP) on behalf of Federal, State, local, Tribal and other partners to meet the many business needs for lidar data. The goal of 3DEP is to collect lidar for the lower 49 states and territories and IfSAR in Alaska within 8 years. Data are being made available free to the public through The National Map. The 3D Nation Study is working in conjunction with 3DEP to document topographic and bathymetric data needs nationally. This presentation will provide an overview of 3DEP’s progress and plans, opportunities for cost sharing, and the status of elevation data development and 3D Nation participation in Hawai‘i and the Pacific Basin.



Drew Decker

U.S. Geological Survey
National Map Liaison

Drew Decker is the National Map Liaison for Arizona, Southern California, Hawai‘i, and the Pacific Basin and works for the National Geospatial Program within USGS. He works with local, state, and other federal agencies to coordinate mapping production, maintenance, standards, and planning in support of The National Map. He also provides support to USGS scientists and the public for mapping related assistance concerning geographic data.

How to Transition to the 2022 National Coordinate System Without Getting Left Behind

In 2022, the National Geodetic Survey will be replacing the U.S. horizontal and vertical datums (NAD 83 and NAVD 88). The new 2022 positioning paradigm will impact all users of geospatial data, either directly or indirectly, and an understanding of the whats, whys, hows, and whens of this effort will ease your transition. The presentation will discuss how to transition the 2022 National Coordinate System without getting left behind.



Edward Carlson

U.S. Dept. of Commerce / National
Geodetic Survey
Pacific Region Geodetic Advisor

Mr. Carlson is the Pacific Region Geodetic Advisor, a liaison between NGS and the Pacific, to guide and assist in the regions geodetic, charting, surveying, remote sensing, and land information system programs. He provides technical advice and training to governments and local users in planning and coordinating field surveys, quality assurance, and assisting in preparing data for inclusion into the National Spatial Reference System. Also, he serves as a primary contact for relating user needs to NGS and NOAA plus transferring new technical developments to local users.

Dam Evacuation Maps / BWS Nu‘uanu 1 Reservoir Update

This presentation will highlight the growth of the Dam Safety Program this past year and development of community outreach after the September 2018 Lane & Olivia heavy rain events and the effects on Nu‘uanu Reservoir 1 and concerns about the downstream community. In addition, this talk will briefly go over the features of the Program’s dam inventory website and evacuation maps.

www.dams.hawaii.gov



Denise Manuel, P.E.

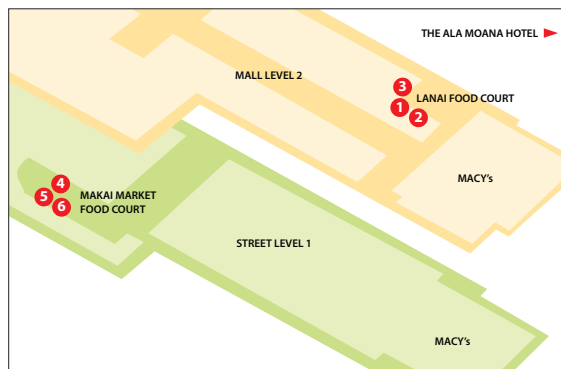
State Dept. of Land and Natural Resources

Engineer

Denise Manuel works as an engineer in the Dam Safety Program at the Department of Land and Natural Resources, Engineering Division, Flood Control and Dam Safety Section. Denise has been with the Dam Safety Program since 2006 and worked previously with the Department of Health, Environmental Management Division Wastewater and Safe Drinking Water Branches, the DOE, DAGS, and DOT.

Monday Lunch Restaurant Suggestions

www.alamoanacenter.com



Lanai Food Court Mall Level 2, Mauka near Macy’s

- 1 **BRUG** – A popular Japanese-style bakery and café that also serves soups, sandwiches, cold-brewed coffee, jelly drinks and other beverages.
- 2 **Da Spot** – Offers local and sustainable healthy meal options with a selection of 35 different smoothies.
- 3 **Teppanyaki Farmer** – Features locally available farm fresh products and feature its signature dish, Da Original Steakroll.

Makai Market Food Court Street Level, near Centerstage

- 4 **Ala Moana Poi Bowl** – When in Hawai‘i, try Hawaiian food – kalua pig, lau lau, lomi salmon, poi or rice.
- 5 **Poke & Box** – Featuring fresh poke, nutritious vegetable options and other local favorites.
- 6 **Lahaina Chicken Company** – A delicious selection of entrees like rotisserie chicken, baby back ribs, roast beef or pork.

Conference Attendees

NAMES IN COLOR are Certified Floodplain Managers (CFM)

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Wednesday, August 14th 2019

**CFM Exam
(Proctored by DLNR)**

**The Ala Moana Hotel
'Ilima Meeting Room**

**Exam Check-In: 8:00 am
Exam: 9:00 am – 12:00 noon**



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MONDAY

- 7:30 AM Registration
- 8:00 AM Opening Remarks
- 8:30 AM Keynote: **Policies, Programs, and Resources: What's New...**
- 9:15 AM **FEMA Assessment of State Floodplain Management Regs...**
- 10:00 AM Morning Break
- 10:15 AM **Hawai'i Homeless Initiative & Case Study: Kahauiki Village**
- 11:15 AM Lunch Break
- 12:45 PM Panel: **Building Codes and Floodplain Management...
Disaster Recovery Reform Act of 2018 (DRRA)...**
- 2:30 PM Afternoon Break
- 2:45 PM **Hawai'i Flood Hazard Assessment Tool (FHAT) Updates**
- 3:30 PM Closing Remarks Adjourn for the day

TUESDAY

- 7:30 AM Registration
- 8:00 AM Opening Remarks
- 8:15 AM **Flood Insurance Data**
- 9:00 AM **Base Level Engineering**
- 9:45 AM Morning Break
- 10:00 AM **Adapting to Sea Level Rise: Strategies for Coastal Highways**
- 10:45 AM **The 2018 Hurricane Season and Impacts Across Hawai'i**
- 11:30 AM Lunch, Garden Lanai Ballroom
- 12:00 PM Hui Groups
- | | |
|---------------------------------------|--|
| A | B |
| What's the Connection? | Is Your Project Compliant? |
| Flood Insurance & Mapping | Building Codes |
| Plumeria Meeting Room | 'Ilima Meeting Room |
| C | D |
| How to Get Your Project Funded | New Directives Driven by SLR... |
| Mitigation Grant Funding | Sea Level Rising |
| Garden Lanai Ballroom | Garden Lanai Ballroom |
- 2:15 PM Afternoon Break
- 2:30 PM **3D Elevation Program (3DEP) – Status for Hawai'i**
- 3:15 PM **How to Transition to the 2022 National Coordinate System...**
- 3:45 PM **Dam Evacuation Maps / BWS Nu'uuanu 1 Reservoir Update**
- 4:15 PM Closing Remarks Adjourn for the day