



**Hawai'i Land Surveyors Association**  
Along with  
**Hawai'i Geographic Information Coordinating Council**  
Presents:

**2019 HAWAII SURVEYING AND MAPPING CONFERENCE**

Pōmaika'i Ballrooms · 735 Iwilei Rd · Honolulu, Hawai'i  
MARCH 21 - MARCH 22, 2019

Register at:

[hlsahigicc-conference.com](http://hlsahigicc-conference.com)

Registration code:

**hlsa2019**



# HAWAII SURVEYING & MAPPING CONFERENCE 2019



## DAY 1 - THURSDAY, MARCH 21

8:00 - 8:30	Registration - Pomaika'i Foyer						
8:30 - 8:45	Piilani Ballroom - Breakfast and Opening Ceremonies						
8:45 - 9:30	Piilani Ballroom - KEYNOTE SPEAKER: Lisa Van Horn NSPS						
9:30 - 9:45	BREAK						
9:45 - 10:45	BREAKOUT 1	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	<i>Using UAV Technology to Obtain High Accuracy Topos &amp; Orthophotos</i>	<i>Vendor Highlight: Carlson's history, range of solutions that we offer</i>	<i>GIS for Surveyors</i>	<i>(1) Image Analysis Using Machine Learning &amp; Citizen Science (2) 3D Modeling</i>	<i>(1) Mapping Biological Soil Crusts with High Resolution Imagery (2) Mapping Rapid Ohia Death Tree Mortality Over Time</i>	closed for cleanup
	SPEAKER	Craig Clouet, GISP Dudek	Carlson SW	Brent Jones Global Manager - Land	Miguel Castrence Remap Hawaii	Eszter Collier, Crystal Baysa UH Hilo	
	MODERATOR						
10:45 - 11:00	BREAK						
11:00 - 12:00	BREAKOUT 2	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	<i>Multiple Sensor Deployment to Extend the Uses of UAV</i>	<i>(1) Data Streams at PacIOOS: From Acquisition to End Products (25 Min) (2) Near Shore Mapping with Unmanned Aerial Systems</i>	<i>Enhancing Lane Closure Processes Using Survey123 and Spatial Modeling</i>	<i>Introduction to Surveying for GIS Users</i>	<i>Survey mapping, mainly topographic, in Civil 3D from a user's point of view.</i>	<i>Vendor Highlight: Drone Data Processing for Surveyors</i>
	SPEAKER	Steven Hochart, Dudek	John Maurer; Fiona Langenberge, PacIOOS Rob O'Conner NOAA	Maaza Christos Mekuria, HDOT	Andy Harada	Karl Nishio	Logan Campbell, Aerotas
	MODERATOR						
12:00 - 1:00	PIILANI BALLROOM LUNCH SPEAKER: Brent Jones Lunch Speaker - History and Importance of Land Rights for US and Hawaii						
1:00 - 2:00	BREAKOUT 3	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	<i>Lava Field Mapping</i>	<i>Tech Exam for Non-Licensed Surveyors</i>	<i>Reading FIRM Maps and Filling out Flood Elevation Certificates</i>	<i>Geospatial Highlights of the Year, Including UAV Lava Mapping</i>	<i>Coordinate Transformation</i>	closed for cleanup
	SPEAKER	Dr. Ryan Perroy, University of Hawaii at Hilo	HLSA	Mario Siu-Li DPP Subdivision Branch Chief	Brennan O'Neill, Frontier Precision	Wayne Teruya	
	MODERATOR						
2:00 - 2:15	BREAK						
2:15 - 3:15	BREAKOUT 4	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	<i>(1) E-911 (2) GIS in Natural Disaster Incident Response for FEMA-4366-DR-HI</i>	<i>Utilizing Drones for Bridge &amp; Structure Inspections</i>	<i>Hawaii Board of Geographic Names</i>	<i>Vertical Datum Conversion in GIS</i>	<i>Construction Surveying - High Rise Construction Best Practices</i>	closed for awards dinner set up
	SPEAKER	Katja Krivoruchko, Akimeka Jessica Dozier, FEMA	Barritt Lovelace, Collins Engineers, Inc.	HBGN	Ross Winans, Ed Carlson	Kevin Stein	
	MODERATOR						
3:15 - 3:30	BREAK						
3:30 - 4:30	NEW BREAKOUT SESH						
4:30 - 6:00	PAU HANA SOCIAL HOUR						
6:00 - 10:00	HLSA AWARDS BANQUET DINNER (\$50.00)						
Yellow=Meal	White=Confirmed	Blue=Tentative	Green=Break	Orange= Vendor Highlight	Pink=25 min session	Gray: Room closed for cleanup	





# HAWAII SURVEYING & MAPPING CONFERENCE 2019



## DAY 2 - FRIDAY, MARCH 22

8:00 - All Day	Registration - Pomaika'i Foyer						
8:30 - 9:30	Piilani Ballroom - KEYNOTE SPEAKER:						
9:30 - 9:45	BREAK						
9:45 - 10:45	BREAKOUT 5	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	(1) Maps at UH, After the Flood, an Update (2) Pacific Disaster Center Use of GIS & Disaster AWARE® Exposure & Impact Products.	Vendor Highlight: Dudek	Double Meridian Distance	Hawaii Leveling and 2022 Updates	Topic to be determined	closed for cleanup
	SPEAKER	Theodore Kwok UHM, Kalei Miller PDC	Topic TBA	Jeff Sato	Ed Carlson	Christine Camp, Avalon Group	
	MODERATOR						
10:45 - 11:00	BREAK						
11:30 - 12:30	BREAKOUT 6	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	Impacts of County Parcel Boundary Adjustments	TBA	The Approach for Fee Preparation for Surveying Projects.	HGS and Damage Prevention Services A Risk Management Overview	Introduction to Land Research at the Hawaii State Archives	Vendor Highlight: Esri
	SPEAKER	Dan Sereno, Maui; Dwight Matsuwaki, DLNR	Lisa Van Horn	Karl Nishio	Paul Vierling Hensel Phelps	Ju Sun Yi	ArcGIS and the Esri Geospatial Cloud
	MODERATOR						
12:00 - 1:00	PIILANI BALLROOM LUNCH SPEAKER: Chief of Police Susan Ballard (20 Minutes) 12:30						
1:00 - 2:00	BREAKOUT 7	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	Surveys, GIS, and the Challenges of Parcel Mapping	Sea Level Rise	Talk Story Session	Vendor Highlight: Stantec	Hawaiian Land Matters (Topic TBA)	closed for cleanup
	SPEAKER	Rhonda Maronn (CCH); Rod Low (Esri)	Andy Bohlander	TBA	Geomatics Takes Flight: Integrating Unmanned Aerial Systems With Traditional Land Surveying Techniques	Donovan Preza	
	MODERATOR						
2:00 - 2:15	BREAK						
2:15 - 3:15	BREAKOUT 8	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	Safety	Mapping a University Campus	Boundary Study	Drone Survey Case Studies	(1) Remote Sensing Data Where it is, How to Use it. (2) Aeropoint Surveying of the North Shore	Vendor Highlight: Frontier Precision
	SPEAKER	Carolyn Aber, RSSD	Julius Paulo, University of Hawaii at Manoa	Andy Harada	Logan Campbell, Aerotas	Katie Taladay, NOAA Contractor, Rob Porro, NOAA	
	MODERATOR					Rob Porro Tentative	
3:15 - 3:30	BREAK						
3:30 - 4:30	BREAKOUT 9	Hokulei 1	Hokulei 2	Hokulei 3	Hokulei 4	Hokulei 5	Piilani Ballroom
	TOPIC	What's New at NSPS	3D Elevation Program (3DEP) -- Status for Hawaii	Boundary Study (continued)	(1) Accessibility of Early Education in Honolulu (2) County of Kaua'i Flood "GIS on the Fly"	Topic to be determined	Vendor Highlight: Hubs Hawaii
	SPEAKER	Lisa Van Horn	Drew Decker National Map Liasion U. S. Geological Survey	Andy Harada	Javzandulam Azuma, UHM Alex Wong, Kauai County	Pat, Mary, Meyer Cummins	TBA (Indoor & Terrestrial Scanning)
	MODERATOR						
4:30 - 6:00	Hokulei Foyer: Pau Hana and Raffle						
Yellow=Meal	White=Confirmed	Blue=Tentative	Green=Break	Orange= Vendor Highlight	Pink=25 min session	Gray: Room closed for cleanup	