



# HAWAII SURVEYING & MAPPING CONFERENCE 2019

DAY 1 - THURSDAY, MARCH 21



8:00 - 8:30 REGISTRATION - POMAIIKAI FOYER

8:30 - 9:15 BREAKFAST & OPENING CEREMONIES KEYNOTE: LISA VAN HORN, NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS

9:15 - 9:45 VENDOR INTRODUCTIONS, HLSA MEETING HOKULEI 2

BREAKOUT 1 (9:45 - 10:45)	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>Field Work Safety</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, Dudek	Carlson SW	Brent Jones, Esri	Carolyn Aber & Charles Asuncion, RSSD	Eszter Collier, Crystal Baysa, UH Hilo	

BREAK 10:45 - 10:55

BREAKOUT 2 (10:55 - 11:55)	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 (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 Langenberger, PacIOOS; Rob O'Conner, NOAA	Maaza Christos Mekuria, HDOT Highways	Clayton Kaneshiro, HECO & Andy Harada, ESH	Karl Nishio, KN Surveying	Logan Campbell, Aerotas

BREAK 11:55 - 12:10

12:10 - 1:10 LUNCH KEYNOTE: BRENT JONES - HISTORY AND IMPORTANCE OF LAND RIGHTS FOR U.S. AND HAWAII

BREAKOUT 3 (1:10 - 2:10)	HOKULEI 1	HOKULEI 2	HOKULEI 3	HOKULEI 4	HOKULEI 5	PIILANI BALLROOM
TOPIC	<i>Remote Sensing During the 2018 Kilauea Lower East Rift Zone Eruption</i>	<i>CST LEVEL 1 Exam for Non-Licensed Surveyors. Surveyor's Challenge</i>	<i>Reading FIRM Maps &amp; Filling Out Flood Elevation Certificates</i>	<i>Field Data Collection &amp; Integration to GIS Using Collector, Survey 123, Terrasync</i>	<i>Coordinate Transformation</i>	closed for cleanup
SPEAKER	Dr. Ryan Perroy, UH Hilo	HLSA	Mario Siu-Li, DPP	Karissa Barnes, Frontier Precision	Wayne Teruya, Park Engineering, Inc.	

BREAK 2:10 - 2:20

BREAKOUT 4 (2:20 - 3:20)	HOKULEI 1	HOKULEI 2	HOKULEI 3	HOKULEI 4	HOKULEI 5	PIILANI BALLROOM
TOPIC	<i>(1) Remote Sensing Data Where it is, How to Use it (2) GIS for 9-1-1</i>	<i>Utilizing UAS &amp; Photogrammetry for Bridge Inspections &amp; Asset Management</i>	<i>Hawaii Board on Geographic Names</i>	<i>Coordinate System &amp; Datum Conversions in GIS</i>	<i>Construction Surveying: High Rise Construction Best Practices</i>	<i>Vendor Highlight: JAVAD TRIUMPH-LS "A Beast in Tree Cover"</i>
SPEAKER	Katie Taladay, NOAA; Katja Krivoruchko, Akimeka	Barritt Lovelace, Collins Engineers, Inc.	HBGN	Ross Winans & Ed Carlson, NOAA	Kevin Stein, BKF Engineers	Michael Glutting, JAVAD GNSS

BREAK 3:20 - 3:30

BREAKOUT 5 (3:30 - 4:30)	HOKULEI 1	HOKULEI 2	HOKULEI 3	HOKULEI 4	HOKULEI 5	PIILANI BALLROOM
TOPIC	<i>GIS for Community Engagement</i>	<i>(1) Mapping Marine Debris With Machine Learning &amp; Citizen Science (2) 3D Modeling With Aerial Oblique Imagery</i>	<i>How To Collect Survey-Grade Data By Drone</i>	<i>Datum Issues: GNSS Data Integration Into GIS</i>	<i>HGS and Damage Prevention Services: A Risk Management Overview</i>	closed for dinner set up
SPEAKER	Matthew Twietmeyer & Rod Low, Esri	Miguel Castrence, RMH	Logan Campbell, Aerotas	Karyn Nolan, Pacific GPS	Paul Vierling, Hensel Phelps	

4:30 - 6:00 PAU HANA SOCIAL HOUR

6:00 - 10:00 HLSA AWARDS BANQUET DINNER



# HAWAII SURVEYING & MAPPING CONFERENCE 2019

DAY 2 - FRIDAY, MARCH 22



8:00 - 8:30 REGISTRATION - POMAIIKAI FOYER						
8:30 - 9:15 BREAKFAST KEYNOTE: CHRISTINE CAMP, AVALON GROUP						
<b>BREAKOUT 6</b> (9:15 - 10:15)	<b>HOKULEI 1</b>	<b>HOKULEI 2</b>	<b>HOKULEI 3</b>	<b>HOKULEI 4</b>	<b>HOKULEI 5</b>	<b>PIILANI BALLROOM</b>
<b>TOPIC</b>	(1) <i>Maps at UH Library: 15 Years After the Flood</i> (2) <i>Pacific Disaster Center Use of GIS &amp; DisasterAWARE® Products</i>	<i>Vendor Highlight: Dudek</i>	<i>PLS Exam Review: Double Meridian Distance</i> <i>NOTE: Bring an NCEES Approved Calculator</i>	<i>Hawaii Leveling &amp; 2022 Updates</i>	<i>Fishponds</i>	closed for cleanup
<b>SPEAKER</b>	Theodore Kwok, UH Manoa; Robert Kalei Miller, PDC	Dudek	Jeff Sato, ESH	Ed Carlson, NOAA	Pat, Mary, & Meyer Cummins	
BREAK 10:15 - 10:30						
<b>BREAKOUT 7</b> (10:30 - 11:30)	<b>HOKULEI 1</b>	<b>HOKULEI 2</b>	<b>HOKULEI 3</b>	<b>HOKULEI 4</b>	<b>HOKULEI 5</b>	<b>PIILANI BALLROOM</b>
<b>TOPIC</b>	(1) <i>County of Maui Parcel Adjustment</i> (2) <i>Implications of County Parcel Adjustments</i>	<i>NSPS: Who We Are &amp; What We Do For Surveyors Countrywide</i>	<i>The Approach for Fee Preparation for Surveying Projects.</i>	<i>GNSS Data Collection Using Airborne, Terrestrial &amp; Mobile Lidar Scanning Systems</i>	<i>Introduction to Land Research at the Hawaii State Archives</i>	<i>Vendor Highlight: ArcGIS &amp; the Esri Geospatial Cloud</i>
<b>SPEAKER</b>	Dan Sereno, Maui Co.; Dwight Matsuwaki, DLNR	Lisa Van Horn, NSPS	Karl Nishio, KN Surveying	Mel Philbrook, Frontier Precision	Ju Sun Yi, Alice Tran, Ronald Williams Jr.	Esri
BREAK 11:30 - 11:45						
11:45 - 1:00 LUNCH KEYNOTE: CHIEF OF POLICE SUSAN BALLARD						
<b>BREAKOUT 8</b> (1:00 - 2:00)	<b>HOKULEI 1</b>	<b>HOKULEI 2</b>	<b>HOKULEI 3</b>	<b>HOKULEI 4</b>	<b>HOKULEI 5</b>	<b>PIILANI BALLROOM</b>
<b>TOPIC</b>	<i>Surveys, GIS, and the Challenges of Parcel Mapping</i>	<i>Vendor Highlight: Geomatics Takes Flight: Integrating Unmanned Aerial Systems With Traditional Land Surveying Techniques</i>	<i>Boundary Study</i>	(1) <i>100 Years of Plant Science at Lyon Arboretum</i> (2) <i>Accessibility of Early Education in Honolulu</i>	<i>Hawaiian Land Matters</i>	closed for cleanup
<b>SPEAKER</b>	Rhonda Maronn, CCH & Rod Low, Esri	Stantec	Clayton Kaneshiro, HECO & Andy Harada, ESH	Jessica Adinolf, Lyon Arboretum Javzandulam Azuma, Ph.D	Donovan Preza, KCC	
BREAK 2:00 - 2:15						
<b>BREAKOUT 9</b> (2:15 - 3:15)	<b>HOKULEI 1</b>	<b>HOKULEI 2</b>	<b>HOKULEI 3</b>	<b>HOKULEI 4</b>	<b>HOKULEI 5</b>	<b>PIILANI BALLROOM</b>
<b>TOPIC</b>	<i>What You Need To Know About ArcGIS Pro</i>	<i>HIGICC Talk Story Session: Defining Priorities</i>	<i>Boundary Study (continued)</i>	<i>Vendor Highlight: GNSS, Optical, Scanning &amp; Technology Trends</i>	<i>Sea Level Rise</i>	Closed for Private Meeting
<b>SPEAKER</b>	Matthew Twietmeyer & Rod Low, Esri	Gretchen Chiques & HIGICC Board Members	Clayton Kaneshiro, HECO & Andy Harada, ESH	Brennan O' Neill, Frontier Precision	Andy Bohlander, Sea Engineering, Inc.	
BREAK 3:15 - 3:30						
<b>BREAKOUT 10</b> (3:30 - 4:30)	<b>HOKULEI 1</b>	<b>HOKULEI 2</b>	<b>HOKULEI 3</b>	<b>HOKULEI 4</b>	<b>HOKULEI 5</b>	<b>PIILANI BALLROOM</b>
<b>TOPIC</b>	<i>A Look Into a Joint Effort Between Surveyors &amp; GIS, Benefits for Both</i>	<i>3D Elevation Program (3DEP) Status for Hawaii</i>	<i>HLSA Talk Story Session</i>	(1) <i>Using Web &amp; Mobile Apps to Measure Impacts of Management on the Environment</i> (2) <i>County of Kauai Flood "GIS on the Fly"</i>	<i>Mapping a University Campus</i>	<i>Vendor Highlight: Highlights of Trimble Business Center 5.00</i>
<b>SPEAKER</b>	Lisa Van Horn, NSPS; Les Van Horn	Drew Decker, U.S. Geological Survey	HLSA	Sam Aruch, NRDS Inc.; Alex Wong, Kauai Co.	Julius Paulo, UH Manoa	Jordan Aguiar, Hubs Hawaii
4:30 - 6:00 HOKULEI FOYER: PAU HANA AND RAFFLE						