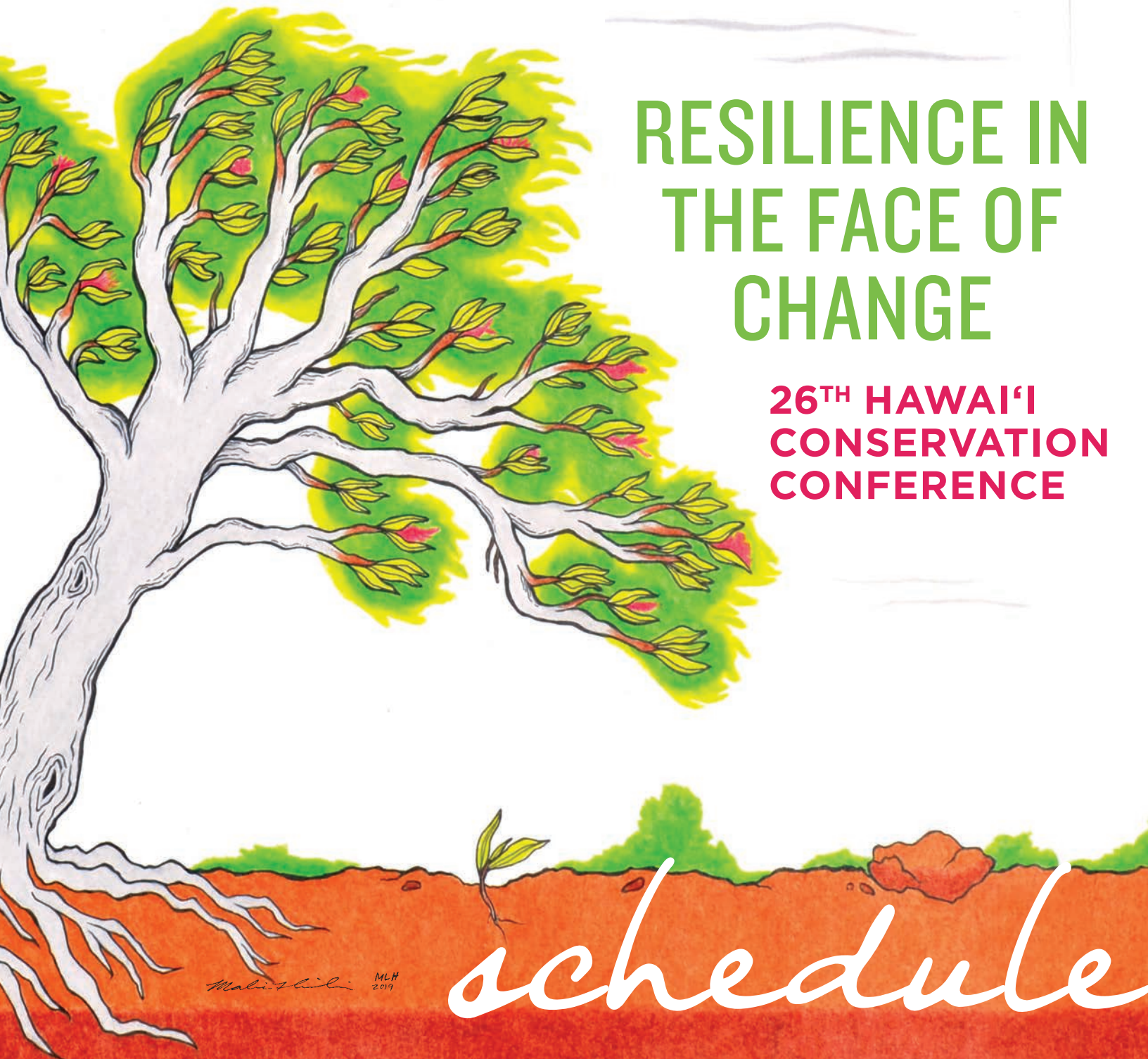


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RESILIENCE IN
THE FACE OF
CHANGE

26TH HAWAI'I
CONSERVATION
CONFERENCE



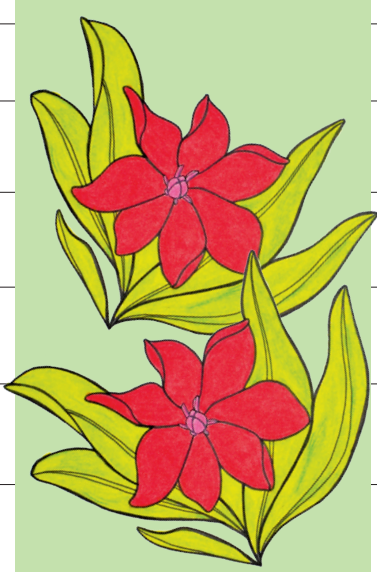
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schedule

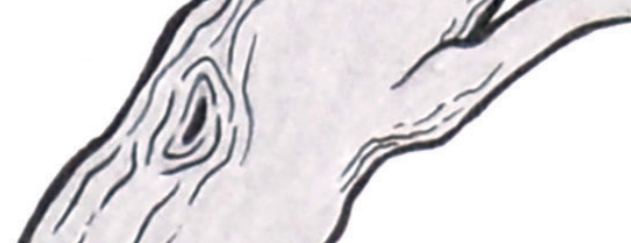


9:00 - 9:45AM >> Opening Protocol · 9:45 - 10:00AM >> HCA Opening Remarks · 10:00 - 11:15AM >> Opening Keynote Panel ·

ROOM 316 A		ROOM 316 B/C
SESSION 1 1:00 - 3:00PM	201 SYMPOSIUM: Resilience in aquatic ecosystems: Robust, yet fragile MODERATOR: Kimberly Peyton	GENERAL SESSION: Terrestrial Management MODERATOR: Gordon Tribble
1:00 PM	374: West Hawai'i coral reef communities after a catastrophic loss: Signs of recovery, resilience, and continued declines following the 2015 coral bleaching event PRESENTER: Lindsey Kramer	292: Assessing Ungulate Populations in Forested Areas with Aerial FLIR Surveys: Results and Early Lessons PRESENTER: Nicolai Barca
1:15 PM	387: Enhancing Native Species Resilience Through Effective Management of Aquatic Invasive Species PRESENTER: Justin Goggins	339: Development of a Rodent Bait with Slug-repellent Properties PRESENTERS: Tyler Bogardus, Stephanie Marie Joe
1:30 PM	406: Tracking <i>Salvinia molesta</i> Distribution Throughout Kaua'i's Watersheds and Thier Physical Characteristics Which Increase Ecosystem Resilience PRESENTER: Daniel Lager	341: Monitoring Rat Activity using Game Cameras PRESENTERS: Tyler Bogardus and Walter Thomas Russell III
1:45 PM	413: Evaluating the Efficacy of a Reef Restoration Strategy Using a Photomosaic Method PRESENTER: Natalie Dunn	347: In the know. Can artificial intelligence interpret camera trap data from the Hawaiian forest? PRESENTER: Mari K Reeves
2:00 PM	474: Citizen Science: Utilizing iNaturalist to Report Aquatic Invasive Species in the State of Hawai'i PRESENTER: Kimberly Fuller	441: The Rain, Pain, and Gain: Development and Potential Applications of Automated Real-Time Gridded Rainfall Maps for Conservation and Natural Resource Management PRESENTER: Matthew Lucas
2:15 PM	566: Hawai'i's Limu Initiative PRESENTER: Ryan Lee Yaichi Okano	568: Coastal dune restoration via biomimicry sand collection systems PRESENTERS: Jacob Egelhoff, Elaine Beaudoin, Ty Spangler
2:30 PM	644: Finding resilience in muliwai: Do estuaries of Hawai'i need a baseline state? PRESENTER: Kimberly Peyton	628: Prioritizing fire management, conservation and stakeholder trust over a large landscape at Pu'u Wa'awa'a, Big Island PRESENTERS: Clay Trauernicht, Derek Ford*
2:45 PM	689: Shallow Water Resource Fish Surveys (SWRF) in West Hawai'i: A Comparative Survey Suggests Decline in Key Resource (Food-Fish) Species in Need of Conservation and Management Efforts PRESENTER: Stacia D. Marcoux	635: Mapping and prioritizing vegetative fuels management projects to reduce fire risk across Hawai'i State PRESENTER: Clay Trauernicht
3:00 - 3:15 PM >> BREAK		
SESSION 2 3:15 - 5:15PM	GENERAL SESSION: Plants MODERATOR: Randy Bartlett	316 SYMPOSIUM: Traditional and Contemporary Approaches to Ahupua'a Management in the He'eia National Estuarine Research Reserve MODERATOR: Yoshimi Rii
3:15 PM	425: Pollination Biology of Hawaiian <i>Lysimachia (Primulaceae)</i> - Evidence for Moth Pollination in the Hawaiian Flora PRESENTER: Timothy Kroessig*	346: Invasive mangrove removal at scale: tracking ecosystem change during a restoration project at the He'eia National Estuarine Research Reserve PRESENTER: Kim Anne Falinski
3:30 PM	440: Wiliwili and the war of wasps: A controlled release of the biocontrol <i>Eurytoma erythrinae</i> to increase viable seedset of <i>Erythrina sandwicensis</i> PRESENTER: Robert Yagi	567: A functional trait approach to agroforestry design for biocultural restoration in He'eia O'ahu PRESENTER: Zoe C Hastings*
3:45 PM	782: Hawai'i Forest Plant Gathering Practices & Implications: Na ke kanaka mahi ai ka imuonui PRESENTER: Katie Kamelamelala*	704: Crabbing & Connectivity: Science for Sustainability PRESENTER: Kaleonani KC Hurley*
4:00 PM	790: Reproductive Ecology and Population Genetics of Hawaiian Wiliwili, <i>Erythrina sandwicensis (Fabaceae)</i> PRESENTER: Emily Grave	785: Ridge restoration and reef response: Impacts of invasive mangrove removal on nearshore coral reef PRESENTER: Ashley Elizabeth McGowan*
4:15 PM	773: Beyond Words – Exploring Media-Representation of Endangered Species PRESENTERS: Maiko Ikeda, Joseph Iseri, Tomoki Kobayashi, Michael Dowd	356: Time-series monitoring of the microbial food web within Kāne'ohe Bay and the surrounding open ocean PRESENTER: Sarah Jeanne Tucker*
4:30 PM	816: The Effect of Ungulate Fencing, Salt Spray, and Soil Type on the Coastal Plant Distribution and Abundance on the Kalaupapa Peninsula, Molokai PRESENTER: Cameryn Rae Kahalewai*	695: Coordinating Education and Training Programs at the Ahupua'a Scale PRESENTER: Frederick Reppun
4:45 PM	678: Liko Nā Pilina Experiment: Lessons Learned in a Path Towards Restoration Sustainability PRESENTER: Rebecca Ostertag	451: Stable isotopes reveal food web dynamics for native and invasive mullet species in He'eia fishpond PRESENTER: Patrick Kendall Nichols*
5:00 PM	15 MINS DISCUSSION	584: The Hawaiian Ko'a Card: A coral health assessment tool for coral reef resilience, bleaching occurrence, and socioeconomic impacts of climate change in the Hawaiian Islands PRESENTER: Keisha Bahr
5:15 - 5:30 PM >> DAILY CLOSING PROTOCOL · 5:30 - 7:30 PM >> SPECIAL EVENT: Society for Conservation Biology - Hawai'i Chapter Summer Evening Event:		

ROOM 311	ROOM 315	ROOM 314
<p>139 FORUM: Journeys in Conservation from Across the Pacific: Pacific Resiliency Fellows Share Their Efforts to Build Resiliency in Their Communities</p> <p>PRESENTERS: Elia Herman, Neil Hannahs</p>	<p>420 SYMPOSIUM: Biocultural Restoration in Hawai'i MODERATOR: Kawika Winter</p> <p>197: 'Āina Kaumaha: Kamehameha Schools' Indigenous Resource Management PRESENTER: Natalie Kurashima</p> <p>427: Using the Hawaiian Footprint to Inform Biocultural Restoration and Future Sustainability in Hawai'i PRESENTERS: Sam 'Ohu Gon</p> <p>432: Eco-engineering, eco-mimicry and other applications of indigenous resource management to maximize ecosystem services and address issues of sustainability in Hawai'i PRESENTER: Kawika Winter</p> <p>519: Biocultural restoration of traditional agriculture: cultural, environmental, and economic outcomes of lo'i kalo restoration in He'eia, O'ahu PRESENTERS: Leah Bremer, Kim Falinski, Casey Ching, Christopher Wada, Kimberly Burnett, Kanekoa Kukea Shultz, Nick Reppun, Gregory Chun, Kirsten Oleson, Tamara Ticktin</p>	<p>301 SYMPOSIUM: Building Resilience into Marine Wildlife Conservation through Emergency Response & Reporting MODERATOR: Angela Amlin</p> <p>738: What can we learn from whale and dolphin strandings? PRESENTER: Kristi West</p> <p>587: What We Learn from Responding to Stranded Sea Turtles and Monk Seals in Hawai'i PRESENTER: Michelle Barbieri</p> <p>378: Humane Response Decision Making For Compromised Hawaiian Monk Seals, Sea Turtles and Cetaceans (Whales and Dolphins) in Hawai'i. PRESENTER: David Schofield</p> <p>652: Partnerships and Community-based Stewardship Supports Marine Wildlife Resilience in Hawai'i PRESENTER: Irene Kelly</p>
<p>603 FORUM: Hoa'aina of Hā'ena: the story of an ohana-driven organization's journey towards 'Āina Momona in Hā'ena, Kaua'i</p> <p>PRESENTERS: Emily Cadiz, Presley Wann</p>	<p>638: Restoration of 'Āina Malo'o on Hawai'i Island PRESENTER: Noa Lincoln</p> <p>611: Developing and Implementing Indicators on Connections Between People and Place PRESENTER: Pua'ala Pascua</p> <p>642: Preserving Ancient and Historic Trail Systems in Hawai'i Through Community-Based Stewardship, Descendant Kuleana, and Ancestral Indigenous Knowledge PRESENTER: La Crivello*</p> <p>691: Identifying and tracking indicators of success in biocultural restoration PRESENTERS: Katy Hintzen, Kristen Goodrich, Kawika Winter, Pua'ala Pascua, Pelika Andrade, David Kidwell</p>	<p>539: Kia'i Kanaloa PRESENTER: Noelani Puniwai</p> <p>340: Greater than the sum of its parts: the role of public-private partnerships in building resilient marine wildlife populations through emergency response and rehabilitation PRESENTER: Claire Simeone</p> <p>589: A seal-eyed view of the underwater habitats of the Hawaiian Archipelago PRESENTER: Stacie Robinson</p> <p>227: Trends in male humpback whale song chorusing off Maui, Hawai'i since 2014/15 PRESENTER: Anke Kuegler*</p>
<p>GENERAL SESSION: Threats MODERATOR: Wendy Miles</p> <p>573: Potential Changes in Infiltration in Hawaiian Forests Caused by Climate Change and Invasive Species PRESENTER: Lucas Berio Fortini</p> <p>180: Developing An Underdominance Gene Drive System In The Southern House Mosquito PRESENTER: Jared Nishimoto*</p> <p>533: What's on Your Plate?: Land-based Pollutants in Hawaiian Reef Fishes PRESENTER: Eileen Nalley*</p> <p>572: Sunscreen use assessment in Hawaii prior to the 2021 chemical ban PRESENTER: Arielle Levine</p> <p>600: The effects of the herbicide atrazine on lace coral PRESENTER: Alexandria Lynn Barkman*</p> <p>663: Hunting in Paradise: hunting and harvest data on Lāna'i 2014-2018 PRESENTER: Shaya Honarvar</p> <p>601: Evaluating Landscape-scale Conservation in the Face of Climate Change: The Pacific Islands Climate Change Cooperative PRESENTER: Wendy Miles</p> <p>15 MINS DISCUSSION</p>	<p>369 FORUM: Ola ka olelo: A Hawaiian Language Session on Language and Culture in Conservation PRESENTERS: Pua'ala Pascua, Natalie Kurashima, Kanoelani Steward</p> 	<p>72 SYMPOSIUM: Conservation's Best Friend? Detection Dog's utility, efficacy, and science explored MODERATORS: Kyoko Johnson and Michelle Reynolds</p> <p>471: The use of scent discriminating canines for the early detection and management of plant diseases PRESENTER: Julian Lior Mendel</p> <p>355: Scent discriminating canines as an additional tool in the fight against ROD PRESENTER: Kealoha Kinney</p> <p>86: Efficacy of Detection Canines for Avian Botulism Surveillance and Mitigation at Hanalei National Wildlife Refuge PRESENTER: Michelle Reynolds</p> <p>337: New Zealand Department of Conservation's Pest Detecting Dog Programme PRESENTER: Miriam Ritchie</p> <p>667: Training dogs to detect imported fire ants PRESENTER: William Chi</p> <p>614: Scent Detection Dogs as a Tool for Species Monitoring and Impact Study at Renewable Energy Sites PRESENTER: Lauralea Oliver</p> <p>353: Detector dog (and other methods) lead to the first confirmed Band-rumped Storm Petrel colony in the Hawaiian Islands PRESENTER: Nicole Glaser</p> <p>733: Detection Dog Trained to Locate Multiple Threatened Species in New Zealand PRESENTER: Andrew Glaser</p>

WEDNESDAY July 10th 2019




8:00 - 8:05AM >> Opening Protocol · 8:05 - 8:15AM >> Welcome, introduce keynote · 8:15 - 9:00AM >> Keynote Speaker - Richard Pyle · 9:30 - 9:45AM >> HCA Award - Legacy Award

ROOM 316 A		ROOM 316 B/C
SESSION 3 10:00AM - 12:00PM	GENERAL SESSION Birds & Bats MODERATOR: Loyal Mehrhoff	281 SYMPOSIUM: Challenges and Successes of Conserving Hawai'i's Terrestrial Invertebrates: A Seven Year Update MODERATOR: Noring Yeung
10:00 AM	705: Foraging ranges of the Hawaiian hoary bat on Maui PRESENTER: Brad Yuen	727: Not gone yet, but we're not well either: an update on Hawai'i's remaining land snails PRESENTER: Kenneth A. Hayes
10:15 AM	559: Habitat use of the Hawaiian hoary bat on Maui PRESENTER: Dave Johnston	762: Act Now or Forever Hold Our Peace. Rapid Widescale Land Snail Extirpation and Extinction Calls for Immediate Emergency Intervention PRESENTER: David Sischo
10:30 AM	464: Minimizing mortality of Hawaiian hoary bats at wind farms PRESENTER: Loyal Mehrhoff	726: Captive Rearing of the Orangeblack Hawaiian Damselfly (<i>Megalagrion xanthomelas</i>) and Reintroduction Attempts on O'ahu PRESENTER: William Haines
10:45 AM	447: Identifying seabird colonies and near-island distributions at sea to inform potential offshore wind energy development surrounding the main Hawaiian Islands PRESENTER: Emma Cashman Kelsey	721: Improving Captive Rearing Methods for the Endangered Orangeblack Hawaiian Damselfly (<i>Megalagrion xanthomelas</i>) PRESENTER: Kelli Konicek
11:00 AM	114: How Do Seabirds See Light? Effects of Color on Retinal Response to Light PRESENTER: Hannah Moon*	717: The Pulehewa Project: Attempts to Expand Populations of Native Butterflies through Captive Rearing and Reintroduction Coupled with Habitat Enhancement PRESENTER: William Haines
11:15 AM	199: Wedge-tailed Shearwater Persistence in Human-Dominated Areas PRESENTER: Jessica Lauren Idle*	271: Exclusion of invasive ants increases nest success of an endangered Hawaiian yellow-faced bee (<i>Hylaeus anthracinus</i>) PRESENTER: Sheldon Plentovich
11:30 PM	207: The urbanization of the Hawaiian stilt: meet the new neighbors PRESENTER: Martha Kawasaki*	554: Marketing invertebrate conservation in Hawai'i: principles, audiences, and strategies. PRESENTER: Christopher Agustin Johns
11:45 AM	249: Nest Initiation Time and Distance to Water Predict Nesting Success of the Ae'o (Hawaiian Stilt - <i>Himantopus mexicanus knudensi</i>) in Wetlands on O'ahu PRESENTER: Kristen Corey Harmon*	15 MINUTE DISCUSSION
12:00 - 1:00 PM >> LUNCH		12:00 -12:45PM >> Rapid 'Ōhi'a Death "brown bag" question and answer session 12:45-1:00PM 'Ōhi'a Challenge Winner Announcement
SESSION 4 1:00 -3:00PM	157 SYMPOSIUM: Hawaiian Forest Birds - Developing conservation strategies to address current and future threats MODERATOR: Lainie Berry	310 SYMPOSIUM: Science and Management of Rapid 'Ōhi'a Death Part 1 MODERATOR: James Boyd Friday
1:00 PM	267: Research and Management Priorities for Hawai'i Forest Birds PRESENTER: Steven Jerry Kendall	497: The importance of ungulate induced wounds in transmission of the fungal pathogen, Ceratocystis, into 'Ōhi'a trees: Evidence at plot- and landscape-scales. PRESENTER: Flint Hughes
1:15 PM	383: Scaling-up restoration to protect Hawai'i Island birds from the spread of invasive diseases and habitat degradation due to climate change PRESENTER: Paul Banko	424: Disease Biology of the Ceratocystis Fungi Involved in Rapid 'Ōhi'a Death PRESENTER: Marc A. Hughes
1:30 PM	592: Beginning to re-establish a Palila population on northern Mauna Kea PRESENTER: Koa Matsuoka	492: Investigating the role of beetles in the spread of ROD: Status of research PRESENTER: Robert Peck



9:00 - 9:15AM >> Thank Keynote, Introduce Awards · 9:15 - 9:30AM >> HCA Award - Outstanding Leadership Award ·

ROOM 311	ROOM 315	ROOM 314
 <p>266: WORKSHOP Finding & Using Your Voice As a Platform for Conservation - A Nāhululehiwakuipapa Emerging Professionals Workshop MODERATORS: Linnea Heu, Sharon Ziegler-Chong PRESENTERS: Springer Kaye, Ku'uwehi Hiraishi, Alec Wagner, Beau Bassett</p>	<p>GENERAL SESSION: Marine Management MODERATOR: David Delaney</p>	<p>293 SYMPOSIUM: Urban 'Āina: Nurturing Biocultural Connections Where We Live MODERATOR: Heather McMillen, Manu Meyer, Kamuela Enos</p>
	<p>442: Characteristics of effective Marine Protected Areas in Hawai'i PRESENTER: Whitney Goodell</p>	<p>551: Being a Maka'ainana In an Urban World PRESENTER: Kialoa Mossman*</p>
	<p>735: Reproduction of the 'A'ama Rock Crab <i>Grapsus tenuicrustatus</i> in Hawai'i and Other Pacific Island Communities PRESENTER: David Bybee</p>	<p>426: The 'Ōhi'a Legacy Initiative; A Grassroots Effort to Return 'Ōhi'a to Urban Hawai'i PRESENTER: JC Watson</p>
	<p>736: Ecosystem Effects of Sea Level Rise on Anchialine Pools in West Hawai'i PRESENTER: Lisa Marrack</p>	<p>728: The Ulu Lehulehu-Million 'Ōhi'a Initiative, Bringing 'Ōhi'a Back Into Our Everyday Lives PRESENTER: Rebekah Ohara</p>
	<p>238: Using Citizen Science to Monitor Whale Sharks (<i>Rhincodon typus</i>) throughout the Hawaiian Islands PRESENTERS: Stacia Diane Marcoux, Travis Michael Marcoux</p>	<p>764: Citizen Foresters: Understanding the trees where we live to engage communities and catalyze stewardship PRESENTER: Shannon Noelle Rivera</p>
	<p>345: Spatial distribution of green sea turtle (<i>Chelonia mydas</i>) nests at French Frigate Shoals, Hawai'i: Implications for carrying capacity? PRESENTER: Alexandra S. Reininger*</p>	<p>443: Restoration of an urbanized ahupua'a within Ko'olaupoko PRESENTER: Kawika Winter</p>
	<p>367: Characterizing Habitat Complexity and Fish Assemblage Structure at French Frigate Shoals Using 3-Dimensional Reconstruction Techniques PRESENTER: Brianna Craig*</p>	<p>462: Challenges & Successes in Providing Accessible Restoration Opportunities in Urban Ko'olaupoko PRESENTER: Kristen Nalani Kane</p>
	<p>OPEN DISCUSSION</p>	<p>407: New Tools and Resources for Enhancing Urban and Community Forestry PRESENTER: Miranda Leigh Hutten</p> <p>765: Aloha 'Āina Practices: Growing Trees and Youth in Urban Settings PRESENTER: Indrajit Gunasekara</p>

IUCN Hui meeting on the IUCN WCC 2020 Programme

<p>792 FORUM: From Local to Global - using the Watershed Snapshots to prepare for WCC 2020 PRESENTERS: Kawika Winter, Chipper Wichman, Emma Anders, Kevin Chang</p> 	<p>550 FORUM: Building Resilience by Building Leaders: Cutting-Edge Environmental Law & Policy Research from Hawai'i's Law Students PRESENTERS: Richard Wallsgrove, three law students</p>	<p>309 FORUM: Empowering Fishers to Lead: A New Approach to Creating Neutral Spaces and Informed Decision Makers for Complex Fisheries Issues PRESENTERS: Aarin Gross, Matt Ramsey, Phil Fernandez, K.J. Chang, David Sakoda, Chris Hawkins, Joshua DeMello</p> 
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WEDNESDAY July 10th 2019



ROOM 316 A

ROOM 316 B/C

SESSION 4 (CONTINUED) 1:45 PM

428: Troubling declines in Maui's endemic honeycreepers: 2017 east Maui HFBS **PRESENTER: Christopher Charles Warren**

588: ROD mortality trajectories in varied environmental and management settings **PRESENTER: Ryan Perroy**

2:00 PM

487: Ensuring long-term survival of Papahānaumokuākea Marine National Monumen's three endemic songbirds through monitoring, habitat management, and translocation
PRESENTER: Sheldon Plentovich

630: The evolving threat of Rapid 'Ōhi'a Death (ROD) to Hawai'i's native ecosystems and rare plant species
PRESENTER: Lucas Berio Fortini

2:15 PM

718: An 'Alalā update: data and reflections from 18 months in back in the wild **PRESENTER: Alison Greggor**

416: Sharing Data in a Multi-Agency Collaboration: Managing Rapid 'Ōhi'a Death in Hawai'i **PRESENTER: Brian Tucker**

2:30 PM

156: Using Quantitative Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis to Improve Planning and Decision-Making of Reintroduction Efforts of 'Alalā (*Corvus hawaiiensis*)
PRESENTER: Jacqueline Gaudioso-Levita

731: The Hunt for ROD Resistant 'Ōhi'a Genotypes: Building the Foundation for a Disease Resistance Improvement Program for Restoring ROD Impacted Hawaiian Forests
PRESENTER: Alealani N Evangelista

2:45 PM

632: The return of the naturalist: A forest bird field school takes flight in Hawai'i **PRESENTER: Treasa Colleen Cole**

15 MINUTE DISCUSSION

3:00 - 3:15 PM >> BREAK

SESSION 5 3:15 - 5:15 PM

GENERAL SESSION: Forest and Seabirds MODERATOR: Jay Penniman

709 Symposium: Science and Management of Rapid 'Ōhi'a Death Part 2 MODERATOR: James Boyd Friday

3:15 PM

115: Behavioral Landscape of 'Ōma'o (*Myadestes obscurus*) Vocalizations in a Naturally Fragmented Habitat **PRESENTER: Erin Netoskie***

430: Potential Heat and Chemical Treatments of Ceratocystis-Infected 'Ōhi'a Wood
PRESENTER: Marc A. Hughes

3:30 PM

317: Shedding light on the Alaka'i Plateau: habitat modeling for endangered honeycreepers **PRESENTER: Erica Marie Gallerani**

669: Management of Rapid 'Ōhi'a Death on Hawaii Island
PRESENTER: Bill Buckley, Bill Stormont, David Benítez

3:45 PM

581: Examining the Effect of Helicopter Noise on Bird Assemblages in Hawai'i's Protected Natural Areas **PRESENTER: Karen Gallardo Cruz***

527: Kaua'i: A Case Study in Rapid Response to Both Species of Rapid 'Ōhi'a Death **PRESENTER: Tiffani Keanini**

4:00 PM

710: Machine annotation of Puaiohi calls in environmental acoustic recordings **PRESENTER: Madori Rumpungworn***

734: Engaging the community through 'Ōhi'a seed collecting workshops **PRESENTER: James Boyd Friday**

4:15 PM

493: Potential application of Wolbachia-mosquitoes to break the disease cycle in Hawaiian forest birds at the landscape scale
PRESENTER: Chris Farmer

298 FORUM: Green Passport: Improving the Visitor Experience and Protecting our Natural Heritage
PRESENTERS: Emelia von Saltza, Jack Kittinger, Anne Boticelli, Kalani Ka'anā'anā, Noelani Schilling- Wheeler, Mark Fox, Eric Co, Matt Ramsey

4:30 PM

463: Changes in predator activity and Hawaiian petrel reproductive success in response to landscape-level predator control
PRESENTER: Rachel Sprague

4:45 PM

708: Native Hawaiian alpine shrubland and a resident endangered seabird population exhibit resilience following ungulate exclusion
PRESENTER: Jennifer Learned

5:00 PM

729: Restoring Seabirds in Hawai'i - Resilient Beings But Require Our Commitment To Recover **PRESENTER: Jay Penniman**

5:15 - 5:30 PM >> DAILY CLOSING PROTOCOL • 5:30 - 7:30 PM >> PAU HANA RECEPTION





ROOM 311

(CONTINUED)

792 FORUM: From Local to Global - using the Watershed Snapshots to prepare for WCC 2020

PRESENTERS: Kawika Winter, Chipper Wichman, Emma Anders, Kevin Chang



ROOM 315


149 FORUM: Mālama 'Āina Wiki Student Presentations **PRESENTER:** Noelani Puniwai, up to 30 students (10 mins each)

ROOM 314

(CONTINUED)

309 FORUM: Empowering Fishers to Lead: A New Approach to Creating Neutral Spaces and Informed Decision Makers for Complex Fisheries Issues

PRESENTERS: Aarin Gross, Matt Ramsey, Phil Fernandez, K.J. Chang, David Sakoda, Chris Hawkins, Joshua DeMello



358 WORKSHOP: Pahu Manamana o Umi - Decoding ancestral structures through Papaku Makawalu

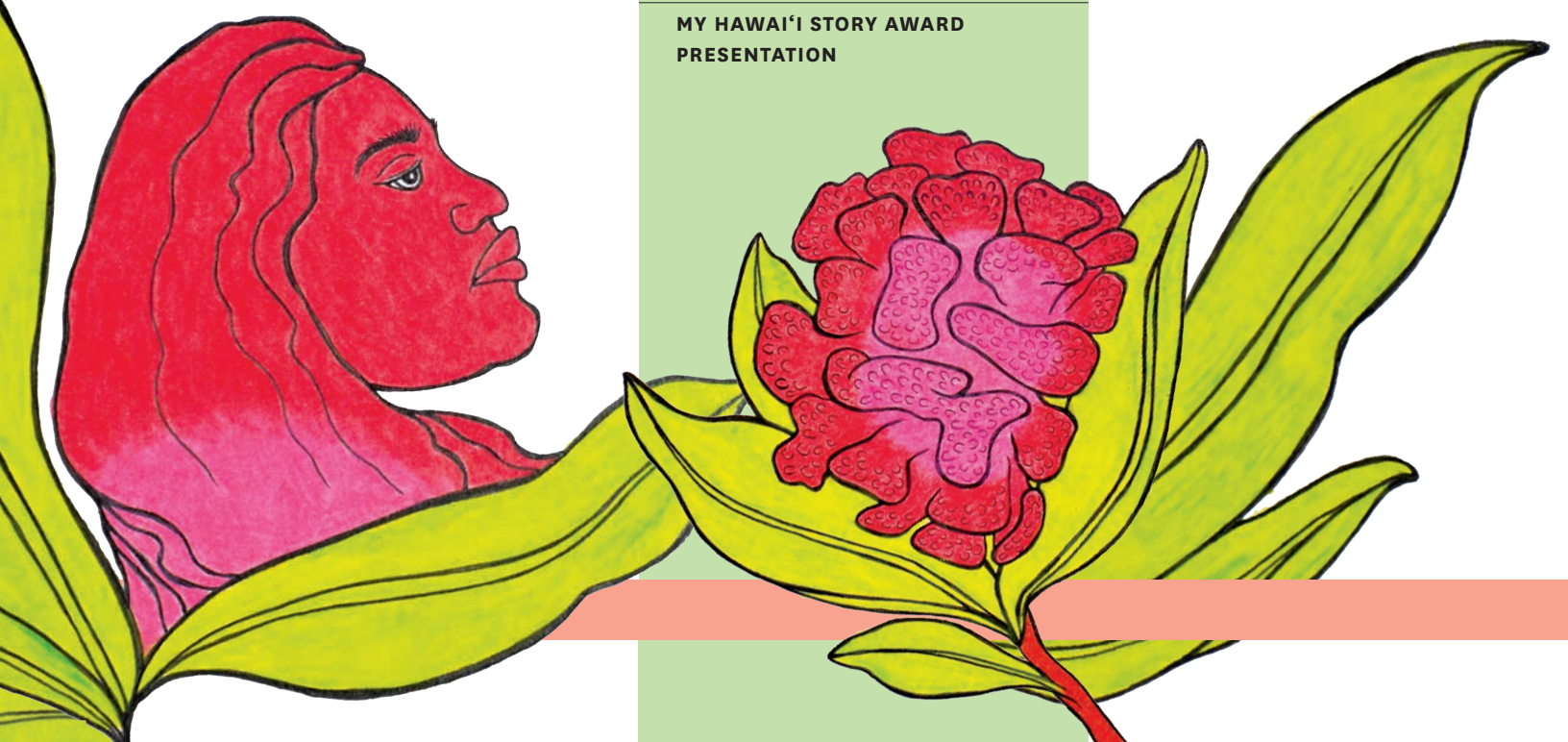
MODERATORS: Huihui Kanahale-Mossman, Kala Mossman, Kalei Nuuhiwa, Kuulei Higashi-Kanahale, Pualani Kanahale, Pualani Lincoln-Maielua

137 FORUM: Kids Creating Conservation Innovations: Students Share Their Hawai'i Youth Sustainability Challenge Projects **MODERATORS:** Elia Herman, Natalie McKinney, Emily Ishikawa

528 WORKSHOP : Hawai'i Wildlife Crime Prosecutors Workshop

PRESENTERS: Denise Antolini, Keith Swindle, Justin Kollar, Marc Wallenstein, Carlton Helm, Danica Swenson, Ian Garrod

MY HAWAI'I STORY AWARD PRESENTATION



THURSDAY July 11th 2019

8:00 - 8:05AM >> Daily Protocol • 8:05 - 8:15AM >> Welcome, Introduce Plenary • 8:15 - 8:45AM >> Suzanne Case - Plenary • 8:45 - 9:00AM >>

9:45 - 10:00AM >> BREAK

ROOM 316 A

SESSION 6 10:00AM - 12:00PM

10:00 AM

282 FORUM: Building Resilience through Partnership: The Hawai'i Association of Watershed Partnerships' Approach to Conserving Watersheds

PRESENTERS: Chris Brosius, Stephanie Dunbar-Co, Yumi Miyata, Cheyenne Perry, JC Watson

10:15 AM

10:30 AM

10:45 AM

11:00 AM

11:15 AM

11:30 PM

11:45 AM



ROOM 316 B/C

376 SYMPOSIUM: The Hawai'i Conservation Alliance's Effective Conservation Program and Hawai'i Conservation Status Report **MODERATOR:** James D. Jacobi

410: Applying Effective Conservation in Priority Setting in Hawai'i
PRESENTER: Sam 'Olu Gon

273: Transforming Data into Action with the Division of Forestry and Wildlife
PRESENTER: Emma Yuen

362: Species Distribution Models used in Conservation Planning: Examples from the Pacific Islands **PRESENTER:** Stephen Miller

648: Division of Aquatic Resources is improving data management of aquatic resources by providing tools to see a bigger picture **PRESENTERS:** Kimberly A Peyton, Eko Lapp

679: Bridging spatial data and 'ōiwi worldview for biocultural stewardship with Kamehameha Schools **PRESENTER:** Amber Nāmaka Whitehead

702: Watershed Snapshots - a biocultural approach to understanding and promoting healthy communities through place-based conservation and management **PRESENTER:** Manuel Mejia

655: Translating Specimen Data into Conservation Action
PRESENTER: Allen Allison

379: The Hawai'i Conservation Alliance's Effective Conservation Program: a tool to assess the status of conservation in Hawai'i and to support additional priority conservation actions at the state-wide level **PRESENTER:** James D. Jacobi

12:00 - 1:00 PM >> LUNCH

LUNCH FORUM: "Kāne and Kanaloa Are Coming: How Will We Receive Them? A Kānaka Take on Climate Change and Indigenous Resilience" **Opening Plenary Follow up**

SESSION 7 1:00 - 3:00PM

1:00 PM

168 FORUM: Strengthening Coastal Resilience Through Community Networks in West Hawai'i **PRESENTERS:** Malia Kipapa, Charles Leslie, Krista Johnson, Charles Young, Ku'ulei Keakealani, Hannah Kihalani Springer, John Kahiapo, Reggie Lee

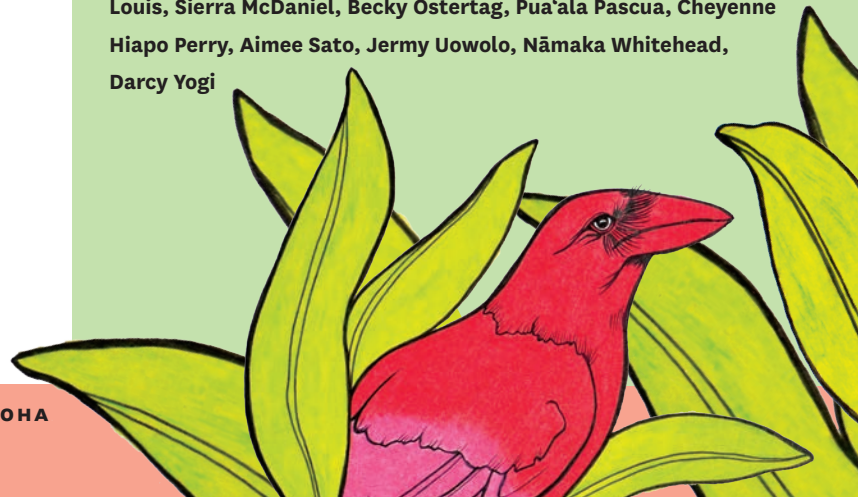
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1:45 PM

2:00 PM

262 FORUM: Connecting with Honuamea: A Bio-Cultural Way Towards Resilience **PRESENTERS:** Kekuhi Kealiikanakaoleohaililani, Kainana Francisco, Kalena Blakemore, Mililani Browning, Monika Frazier, Linnea Heu, Lea Ka'aha'aina, Joe Kern, JoAnna Quitan Kern, Rachel Kingsley, Natalie Kurashima, C. Kalā Lindsey-Asing, Renee Pualani Louis, Sierra McDaniel, Becky Ostertag, Pua'ala Pascua, Cheyenne Hiapo Perry, Aimee Sato, Jermy Uowolo, Nāmaka Whitehead, Darcy Yogi



3:15 - 3:30 PM >> FINAL CLOSING PROTOCOL - HAWAI'I ALOHA

ROOM 311

170 SYMPOSIUM: How Do Our Nearshore Fisheries Measure Up? **MODERATOR:** Eva Schemmel

384: Lessons learned from data-limited stock assessments of coral reef fish in Hawai'i
PRESENTER: Marc Nadon

111: Patterns in Coral Reef Fisheries of the Main Hawaiian Islands Revealed Through Creel Surveys
PRESENTER: David G. Delaney

565: Efficacy of the Initial Community-based Subsistence Fishing Area at Hā'ena, Kaua'i
PRESENTER: Ku'ulei Rodgers

366: Why Wait? Initial Response of Nearshore Fishery Resources of Ka'ūpūlehu, West Hawai'i to a 10-year Fishing Moratorium **PRESENTER:** Chad Wiggins

175 Workshop: Community-Based Marine Resource Monitoring

MODERATOR: Eva Schemmel



ROOM 315

658 FORUM: Native Forestry:

A new model for sustaining

conservation **PRESENTERS:**

Mililani Browning, Kamakani

Dancil, Steve McMinn, Wade

Lee, Neal Arnold, Nicholas

Koch

ROOM 314

502 FORUM: Hui Loko Network: Working together on Hawai'i Island to malama Hawaiian fishponds and anchialine pools **PRESENTERS:** Barbara Seidel, Megan Lamson, Jackson Letchworth, Lanakila Ynigues, Ku'ulei Keakealani, Lehua Kamaka, Mana Purdy, Kenrock Higa



GENERAL SESSION: Policy Content **MODERATOR:** Melissa Price

766: Are future extinctions preventable? Living down our title as the "extinction capital of the world" **PRESENTER:** Melissa Price

121: Mauri Moana, Mauri Tangata, Mauri Ora – Making Space to Enact Diverse Māori and Social Values of Aotearoa New Zealand's Marine Environment **PRESENTER:** Kelly Ratana

467: The Hawai'i Law Fellows Program: Expanding Capacity for Environmental Resource Management **PRESENTER:** Denise Antolini, David Sakoda, Kathryn Stanaway, Andrew Porter, Todd Tashima, Ian Garrod

15 MINUTE DISCUSSION

IUCN Hui Meeting on IUCN WCC 2020 Proposals and Motions

183 FORUM: Laukahi Plant Conservation Network's Research Agenda and Applicative Research Question Design

PRESENTERS: Emily Grave, Chipper Wichman, Matthew Keir, Don Drake

165 FORUM: Motions and Governance Process for the 2020 IUCN World Conservation Congress

PRESENTERS: Ryan McDermott, Kekoa Andrade, Katie Pham, Lorenzo Lima, Emily Gaskin, Denise Antolini

380 FORUM: Scoping with SeaSketch: A Public Engagement Process for the Marine 30x30 Initiative **PRESENTERS:** Brian Neilson, Will McClintock

205 SYMPOSIUM: You CAN try this at home: Breakthroughs in aerial operations for invasive species management **MODERATOR:** Springer Kaye

254: The benefits of sUAS integration **PRESENTER:** James Parker

423: Hey computer, find that plant! **PRESENTER:** Ryan Perroy

582: Just add cameras: collecting useful high-resolution imagery during helicopter operations
PRESENTERS: David Benitez, Timo Sullivan

593: The View from Above: Aerial Approaches for Detection and Control of Ants, Plants, and Birds **PRESENTER:** Adam Knox

574 Forum: At the Confluence of Invasives and Climate: Building a New Community of Practice **PRESENTERS:** Deanna Spooner, Heather Kerker, Jeff Burgett, Joshua Atwood, Christy Martin



POSTERS

ROOM 212 >> MACHINE 4 is available for free browsing

MACHINE 1

MACHINE 2

MACHINE 3

TUESDAY, July 9th, 2019 >> Electronic Posters: Biosecurity and Resilience

SESSION 1.A
1:00-1:30PM
701: Two Years Down, Eight to Go: Progress on Implementing the 2017-2027 Hawaii Interagency Biosecurity Plan **PRESENTER: Joshua Atwood**

SESSION 1.B
1:30-2:00PM
256: MarineGEO Hawaii Ola I Ke Kai: Results From The Comprehensive Bioassessment of Kaneohe Bay, 2017 **PRESENTER: Claire VA Lager**

794: Designating a State Snail for Hawai'i
PRESENTER: Connor Kalahiki*

459: Correlation of He'eia Fishpond plankton community abundance and distribution in response to environmental conditions **PRESENTER: Noeau Makamae Machado**

612: Current Status of Coqui Frog (*Eleutherodactylus coqui*) on Maui and an Overview of Approaches to Control **PRESENTER: Abraham Vandenberg**

761: Understanding Trends of Non-Native Invasive Vegetation for the Kawaiunui Marsh Restoration Project **PRESENTER: Darcy Kamalani Yogi***

Posters: Rats, Mongoose, and Soils

SESSION 1.C
2:00-2:30PM
577: Hotspot distribution of black rats in a montane mesic forest **PRESENTER: Kelly Ann Jaenecke**

SESSION 1.D
2:30-3:00PM
681: Mapping Biological Soil Crusts with Small Unmanned Aerial Systems **PRESENTER: Eszter Adany Collier***

188: Does Predator-Proof Fencing Improve Fledging Success of the Hawaiian Stilt (*Himantopus mexicanus knudseni*)? **PRESENTER: Dain Leroy Christensen***

784: Healthy Soils Hawai'i: Carbon Farming as a Tool of Resiliency **PRESENTER: Stephanie Mock**

795: Mongoose Population Assessment: Is there a breeding population on Kaua'i **PRESENTER: Tiffani Keanini**

91: Closing the Nutrient Loop: Methods to Regenerate Hawaiian Soils **PRESENTER: Lucy Caine**

Posters: Birds

SESSION 2.A
3:15-3:45PM
643: Development of optimal survey methods to provide reliable estimates of game bird populations on Hawai'i Island **PRESENTER: Javier Cotin**

SESSION 2.B
3:45-4:15PM
692: Manu o Kū of Diamond Head: Breeding Behavior of an Indigenous Seabird on the Kapi'olani Community College Campus **PRESENTER: Nolan Black*, Wendy Kuntz, James Lee, Nolan Black, Giovanni Herrera**

767: Securing the future of endangered Akekee through translocation from Kauai to a higher elevation island **PRESENTER: Lainie Berry**

446: Prey Biomass and Availability as Factors Influencing the Distribution of Pueo **PRESENTER: Laura Luther***

452: Tracking Hawai'i 'Amakihi (*Chlorodrepanis virens wilsoni*) in Nakula Natural Area Reserve on East Maui: home range estimation and evaluation of techniques for upcoming Kiwikiu (*Pseudonestor xanthophrys*) conservation translocation **PRESENTER: Kristi Mieke Fukunaga**

431: Hawaiian honeycreeper conservation in light of gut microbiota **PRESENTER: Maria Sara Costantini***

Posters: Birds and Habitat Management

SESSION 2.C
4:15-4:45PM
229: Population status of the critically endangered Laysan duck at Midway Atoll National Wildlife Refuge **PRESENTER: Kelly Goodale**

SESSION 2.D
4:45-5:15PM
693: Grazing as a Tool to Reduce Wildfire Risk at Pu'u Wa'awa'a Forest Reserve **PRESENTER: Tanya Harrison***

223: The Impacts of Light Pollution and other Fallout Factors on Wedge-tailed Shearwaters ('Ua'u Kani): Examining Population Sources and Sinks for Targeted Management **PRESENTER: Brooke Marilyn Friswold***

715: A software tool for producing annotations of prolonged audio recordings using machine learning and deep neural networks **PRESENTER: Lindsey Howells, Madori Rumpungworn**

360: Ecological and Native Dryland Forest Restoration on the Island of Kaho'olawe **PRESENTER: Courtney Kerr**

516: Can Depredated Endangered Hawaiian Water Bird Carcasses Explain Behavioral Patterns of Introduced Predators? A Case Study on Hanalei National Wildlife Refuge (NWR), Kaua'i, Hawai'i **PRESENTER: Bryden Accalia Baker**

WEDNESDAY, July 10th, 2019 >> Electronic Posters: Corals and Aquatic Invasives

SESSION 3.A
10:00-10:30AM

591: Management Implications of Submarine Groundwater Discharge on Coral Reef Metabolism in Maunaloa Bay **PRESENTER: Katia Alyssa Emi Chikasuye**

SESSION 3.B
10:30-11:00AM

479: Coral Reef Restoration Through Invasive Algae Management in Kāne'ohe Bay and the Waikiki MLCD **PRESENTER: Wesley Dukes**

Posters: Corals and Aquatic Invasives

SESSION 3.C
11:00-11:30AM
475: Combating the Ongoing Threat of Aquatic Alien Species Through Ballast Water and Biofouling Risk Analysis **PRESENTER: Genevieve Marie Devine**

SESSION 3.D
11:30AM-12:00PM
549: Testing the protective effect of the juice of the *Scaevola taccada* on yeast against UV radiation **PRESENTER: Keanu Rochette-Yu Tsuen***

498: Innovative Restoration Using Resilient Corals to Enhance Coastal Protection in Hawai'i **PRESENTER: Kira Hughes***

511: Coping with the stress: physiological differences in reproduction of *M. flabellata* versus *M. capitata* **PRESENTER: Emmett Michael Henley***

609: Preserving Coral Reef Biodiversity Using Cryopreservation **PRESENTER: Claire Lager**

Posters: Capacity Building and Trees

SESSION 4.A
1:00-1:30PM

676: Resilient Hawaiian Communities Initiative – He 'a'ali'i kū makani au **PRESENTER: Deanna L. Spooner**

SESSION 4.B
1:30-2:00PM
194: Polynesian tree mapping and traditional agroforestry extent **PRESENTER: Noa Lincoln**

190: Can compost from a nitrogen-fixing tree, *Falcataria moluccana*, replace synthetic fertilizer and store carbon in agricultural systems? **PRESENTER: Joanna Norton***

67: Native Hawaiian ecological knowledge (NHEK) as a culturally- and place-based learning platform in Hawai'i's education system: a case study on the 2018 Nā Hopena A'o (HĀ) Summit **PRESENTER: Leland Bishop Williams**

618: Shifting the Balance in a Lowland Mesic Forest on O'ahu: Maximizing the Native Acacia koa Seed Bank **PRESENTER: Benjamin Earl Duncan**

MACHINE 1

MACHINE 2

MACHINE 3

Posters: Plants

- SESSION 4.C**
2:00-2:30PM
- 557:** The Hawaiian Endemic 'Āla'a (Planchonella sandwicensis) Represents Two Distinct Taxonomic Entities **PRESENTER: J. Christopher Havran**
- SESSION 4.D**
2:30-3:00PM
- 659:** Increasing the resilience of Bonamia menziesii, a critically endangered and Hawaii-endemic member of the Convulvaceae family **PRESENTER: Rhian K Campbell**

- 683:** Overcoming Seed Dormancy in Propagation of Endangered Abutilon menziesii (Malvaceae) **PRESENTER: Samantha Renee Faul***
- 352:** Growing Resilience Together: Restoring the Haleakalā silversword and building natural resources stewardship through partnerships with Maui schools **PRESENTER: Stacey Kehaulani Torigoe, Michelle Osgood**

- 496:** Commonness and Rarity in Island Taxa: Examining Intraspecific Genetic and Ecological Differentiation of Kōpiko (Psychotria marianiana) **PRESENTER: Tiffany Kho***
- 336:** The Seedling Skirmish: Native vs. Non-Native Plant Competition on Islands **PRESENTER: Amanda E Wong***

Posters: Restoration Strategies and Tools

- SESSION 5.A**
3:15-3:45PM
- 637:** Āhūa Reef Wetland Restoration **PRESENTER: Noel Dunn, Corrina Carnes**
- SESSION 5.B**
3:45-4:15PM
- 534:** Urban 'Āina: Community Driven Indigenous Urban Design **PRESENTER: Niegel Kuhinanui Rozet***

- 821:** Restoration strategies for out-planting at marginalized coastal leeward landscapes on Hawai'i Island **PRESENTER: Mathew Dye***
- 673:** I Pa'a Hou i Kalou: Re-Mapping Historic Loko Wai and Lo'i Kalo of Waiale'e, O'ahu **PRESENTER: Nick Kawelakai Farrant***

- 505:** What We Can Learn From Fish: Integrating Behavioral Ecology and Coral Reef Conservation **PRESENTER: Margaret Malone***
- 418:** Creating innovative tools to support the community of stewards who care for our lands and waters **PRESENTER: Rachel Dacks**

Posters: Marine

- SESSION 5.C**
4:15-4:45PM
- 41:** Sampling, fast and slow: Examining tradeoffs in surveying low-density populations **PRESENTER: Jake Ferguson**
- SESSION 5.D**
4:45-5:15PM
- 666:** South Maui Coral Reef Cleanups: Saving One Polyp and Turtle at a Time **PRESENTER: Cheryl King**

- 657:** Of Mantas and Men: Understanding the Intersection of Hawai'i's Reef Manta Ray and Its Growing Tourism Industry **PRESENTER: Kirsten V Moy**
- 677:** Mapping Marine Debris using A.I. Machine Learning **PRESENTER: Kirsten V Moy, Miguel Castrence**

- 553:** Using Automated Data Analysis to Monitor Whale Populations **PRESENTER: Jennifer Dante Chinen**
- 631:** Investigating the Relationship between Microplastic Sinks and Sea Urchin Density on Kaua'i **PRESENTER: Kai Mottley**

THURSDAY, July 11th, 2019 >> Posters: Land Management and Ungulates

- SESSION 6.A**
10:00-10:30AM
- 713:** Do the remains remain? Small animal decay in the Alaka'i **PRESENTER: Abigail Kreuser**
- SESSION 6.B**
10:30-11:00AM
- 354:** Genetic ancestry of feral pigs on O'ahu **PRESENTER: Tim Smyser**

- 570:** 10 years of conservation in Upper Limahuli Preserve **PRESENTER: Uma Nagendra**
- 458:** Coming in High and Hot: A novel approach to ungulate control utilizing UAS and thermal technologies **PRESENTER: Caleb Wittenmyer**

- 690:** Using Avenza Maps App to Improve Invasive Species Management Outcomes **PRESENTER: Daniel Andrew Duda**

Posters: Dry Forests and Invasive Species Biosecurity

- SESSION 6.C**
11:00-11:30AM
- 258:** Enhancing Invasive Species Monitoring at Hawai'i's Airports **PRESENTER: Leyla Kaufman**
- SESSION 6.D**
11:30AM-12:00PM
- 716:** Precision agroforestry inventory monitoring in the Marshall Islands using small Unmanned Aircraft Systems **PRESENTER: Jason Henson, Charlie Tommy, Ryan Perroy**

- 580:** In the Weeds: A New Rapid Assessment Tool for Watershed Management Areas Utilizing Stream Weed Surveys **PRESENTER: Lucas Alan Behnke**
- 596:** Diverse Partners and Approaches Lead to Greater Resilience of Dry Forest Restoration Projects **PRESENTER: Elliott Parsons**

- 490:** Update on the Status of a Biological Control Agent Released for Strawberry Guava in Hawai'i **PRESENTER: Tracy Johnson**
- 688:** Restoration of Native Low Elevation Windward Dryland forest in Kalaupapa National Historical Park **PRESENTER: Ryan Poland**

Posters: ROD Beetles, Capacity Building, and Networks

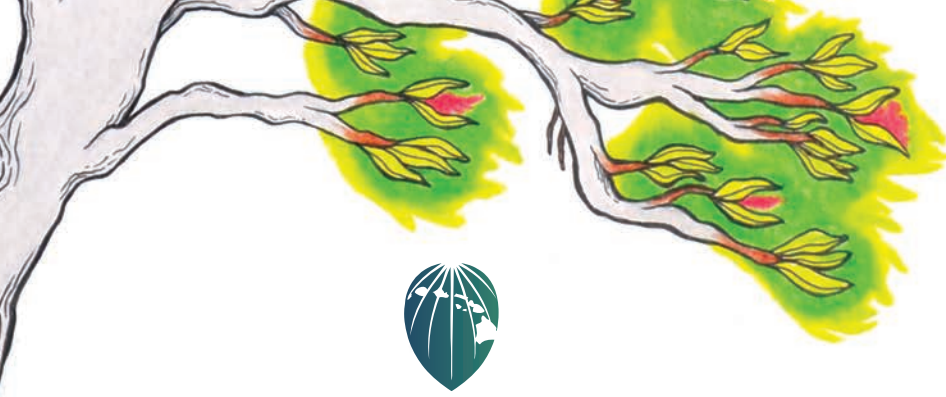
- SESSION 7.A**
1:00-1:30PM
- 608:** Viability testing of ROD found on ambrosia beetles and their frass **PRESENTER: Kelly Ann Jaenecke**
- SESSION 7.B**
1:30-2:00PM
- 85:** Lawai'a Pono: Engaging Recreational Anglers in Sea Turtle Conservation and Evaluating Impacts **PRESENTER: Kuulei Uluwehi Gunderson**

- 449:** Fishery Resilience through the eyes of Fishers **PRESENTER: Edward L Kekoa Jr**

- 467:** The Hawai'i Law Fellows Program: Expanding Capacity for Environmental Resource Management **PRESENTER: Andrew Nowell Porter, Denise Antolini, Kathryn Stanaway, Andrew Porter, Todd Tashima, Ian Garrod**
- 579:** Molecular markers for detecting ROD-associated ambrosia beetle species from frass **PRESENTER: Kylie Alohilani Minei Roy**

2:00-3:00PM >> OPEN FREE BROWSING TIME





HAWAI'I CONSERVATION ALLIANCE

A Partnership Dedicated to Environmental Stewardship, Community Engagement, and Conservation Capacity



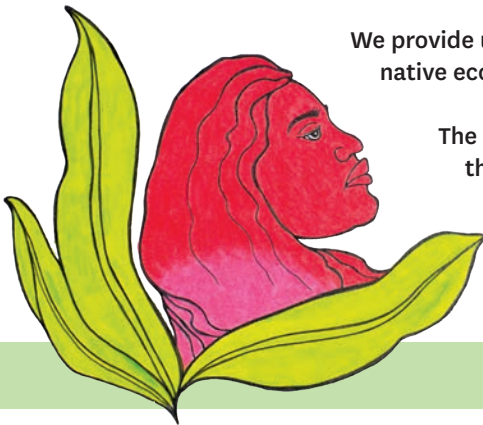
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The Hawai'i Conservation Conference is jointly produced by the Hawai'i Conservation Alliance and Hawai'i Conservation Alliance Foundation.

The Hawai'i Conservation Alliance envisions thriving, abundant lands and seas with their native ecosystems actively cared for by generations of stewards, steered by excellent science and Hawaiian values and practice.

We provide unified leadership, advocacy, and collaborative action to conserve and restore native ecosystems and the unique biodiversity of our islands.

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