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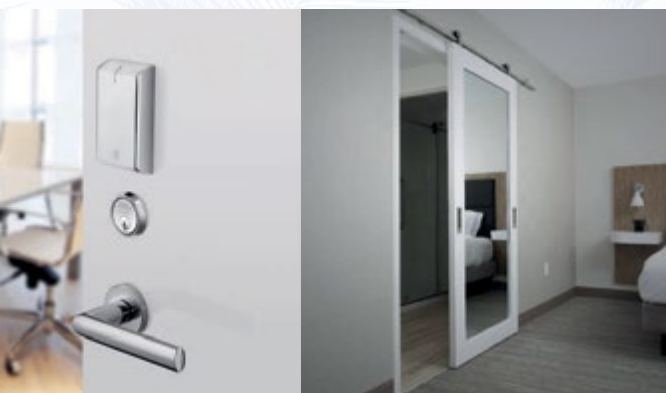
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WELCOME TO PBX21

ALOHA,

CSI Honolulu welcomes you to Hawaii's first in-person trade show for the construction and design industries in over two years.

Our team has worked diligently for the past 12 months to ensure the success of PBX21. After rescheduling the event from October 2021, we are excited to bring together professionals from across the AECO industries in support of CSI's mission: To build construction knowledge and improve project delivery.

We appreciate not only the contributions of our talented committee volunteers and consultants, but also the enthusiasm and support of our exhibitors, sponsors, seminar presenters and industry partners who look forward to this in-person event as much as we do! Their support enables us to offer our AECO peers free admission to a showcase of the latest products and services, 26 expert-led seminars, and Hawaii's first-ever Construction & Design Industries Luncheon with Mayor Rick Blangiardi and Department of Planning and Permitting Director Dean Uchida as our guest speakers. Details about these and other special events can be found in the following pages.

Thank you for joining us!



Tim Waite,
PE, CSI, CDT
PBX21 Co-Chair

Richard Myers,
AIA, CSI, CDT
PBX21 Co-Chair

John Fullmer, AIA, CSI
PBX21 Co-Chair

NEW THIS YEAR!



PBX21 is excited to use ExpoPass for the first time. It offers a free smartphone app that is easy to use and is instantly available to attendees upon registration – helping you make the most of your day at PBX21. Preview the seminars and speakers and build a custom schedule when you sign up for sessions; plan your visits with exhibitors on the show floor; and receive notifications about last-minute changes or prize drawing announcements.

PBX21 PLANNING COMMITTEE

Co-Chairs

John Fullmer, AIA, CSI
Rick Myers, AIA, CSI, CDT
Tim Waite, PE, CSI, CDT

Administration/ Treasurer

Corinna Bailey, CSI,
CCPR

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Honolulu

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Scott Kawamura/Clutch
Design

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Pau Hana Celebration/ Prizes

Greg Endo

Volunteers

Elena Brown

PBX Program Guide

Trade Media Hui

FOR YOUR HEALTH & SAFETY

The health and safety of exhibitors, guest speakers, attendees, event staff and volunteers are top priorities for PBX21. The PBX planning committee has been working with the Hawaii Convention Center staff to ensure that this event complies with the latest COVID-19 protocols and requirements.

In compliance with the Safe Access Oahu program, the Hawaii Convention Center requires event participants to provide confirmation of full COVID-19 vaccination or a negative COVID-19 test 48 hours prior to entry. Masks are required at all events.

Visit www.meethawaii.com/convention-center/ for additional information.



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PBX21 AT A GLANCE

We're bringing the construction and design industries together to build construction knowledge and improve project delivery. Along with an Exhibit Hall featuring 200 exhibitor booths and 26 expert-led seminars with AIA/CES credits, your FREE registration includes:

CSI Hospitality Booth 9:30AM

CSI Honolulu invites members and prospective members to stop by the CSI Honolulu booth (adjacent to Show Floor Seminar Room entrance) for coffee, pastries and information.

Awakea 'Aina Lunch 11:30AM – 1:00PM Exhibit Hall

Pick up a complimentary bento/box lunch and meet up with colleagues and friends for a midday break.

PBX21

Construction & Design Industries Luncheon: The DPP Revamp: An Update from the Mayor and Director, including New Initiatives

11:30AM – 1:00PM
Show Floor Seminar Room
Co-presented by



In this first of its kind industry-wide luncheon, Honolulu Mayor Rick Blangiardi and Department of Planning & Permitting Director Dean Uchida bring us up to date on the current overhaul and major improvements the City is implementing to make the DPP a more responsive and vital part of the construction team, and to keep construction moving in the City



Mayor Rick Blangiardi



Dean Uchida

and County of Honolulu. Hear from the Mayor about the City's affordable housing initiatives, too.

PBX21 looks forward to bringing together professionals from across Hawaii's construction and design industry for this informative event, moderated by Glen Kaneshige, president of Nordic PCL Construction.



Glen Kaneshige

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Mea 'Ono! Pop-up Dessert Stations

1:30PM – 2:45PM

Stop by the Dessert Sponsor booths for assorted sweets and an afternoon energy boost. (See floorplan p. 10)

Pau Hana Celebration & Prize Giveaway

4:15PM – 5:30PM

Exhibit Hall

Relax and unwind with industry peers at the end of the day with refreshments, hosted pupu and prize drawings.

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HAWAII ISLAND CONTRACTORS' ASSOCIATION (HICA)

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EXHIBITOR LIST (as of January 7, 2022)

Our sponsors are highlighted in yellow or pink (Dessert Sponsors).

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A

Aloha Marketing D16p, E15p
Alpolic C16d
Arcade Connection INC./Hawaii
Building Supply..... C07p
Arcadia Inc. Hawaii C28d
Atlas Sales C39
Autodesk.....D06p

B

Bello's Millwork, Inc.....E06p
Benjamin Moore C41p
Bonded MaterialsE33

C

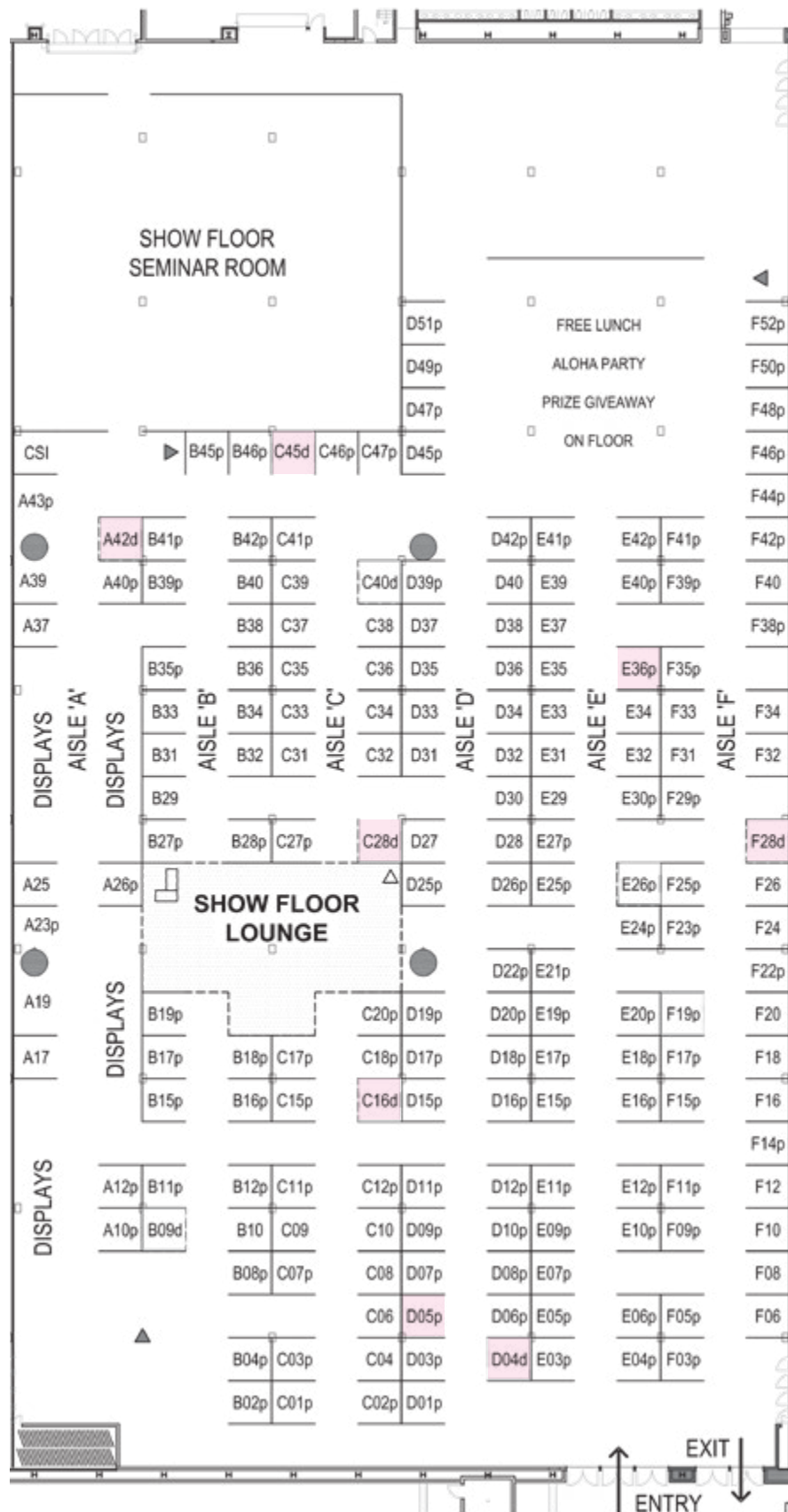
CCPIE30p, E32, E34, E36p, F33, F35p
CEMCO.....F28d
CENSEO AV+Acoustics..... B18p
City Mill C38
ClarkDietrichD22p
CO-HA Builders, Inc./Applied
Surfacing Technology C04
Crossville C33
CSI Honolulu..... CSI

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Delco Sales B11p
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E

Ecoshade.....C12p, D11p
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Kimo Scott, President with Ed Maluyo, Vice President



EXHIBITOR LIST (as of January 7, 2022)

Evergreen by Debra/Ceramic
Tile Institute of America.....B33

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Armstrong Ceilings.....F24p

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Hawaii Lighting RepsD05p

HiCoustix..... D45p

Hilti A27

Honblue B12p, C11p

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Pabco Gypsum..... A05

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Pacific Islands Construction
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Polyglass USA B27p

Polyguard Products -
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Skyco Shading Systems, Inc.F22p

Solatube International D37

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Tri-West Ltd.C06, C08

Tropical J's..... F29p, F31

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U.S. CADC20p

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W

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Waltz Engineering, Inc.F25p

Westcoat Specialty
Coating Systems C27p

Williams Pacific, Inc..... C09

Willis D31

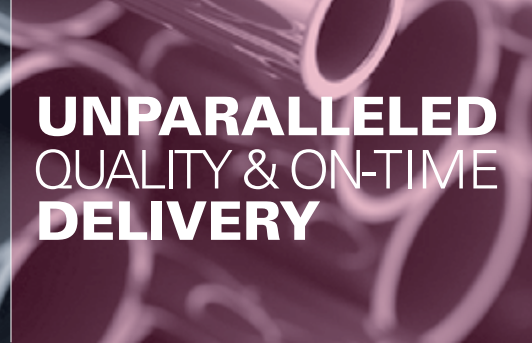
Windward Equipment Rentals...C32, C34

Wooster Products C15p

Z

Zurier/KohlerA39

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SEMINAR & EVENTS SCHEDULE

TRACK:	'EKAHI — 1	'ELUA — 2	'EKOLU — 3
	DESIGN & PRACTICE	CONSTRUCTION & CONTRACTING	TECHNICAL & SPECIFICATIONS (PRESENTED BY SEAOH)
7:00 AM	PBX21 REGISTRATION OPENS		
7:45 AM	Session 1A – 1 AIA LU Lessons Learned from Real World Insurance Claims	Session 2A – 1 AIA LU/HSW BMP Case Study: Moanalua High School's New Performing Arts Center	Session 3A – 1 AIA LU/HSW Evaluation and Protection of Bonded Post-Tension Tendons
8:40 AM	Ho'okipa Opening Ceremony (Exhibit Hall Lobby)		
9:00 AM	EXHIBIT HALL OPENS		
	CSI Hospitality Booth Coffee Service/Member Drive		
9:45 AM			
10:00 AM	Session 1B – 1 AIA LU/HSW Honouliuli Middle School - All in with HI-CHPS	Session 2B – 1 AIA LU Closing the Loop: Securing Your Right to Payment – Hawai'i Lien Law (Presented by BIA Hawaii)	Session 3B – 1 AIA LU Courthouse Curiosities: True Tales from Texas
11:30 AM	Awakea 'Aina Lunch (Exhibition Hall)		
	Construction & Design Industries Luncheon: The DPP Revamp: An Update from the Mayor and Director (Mayor Rick Blangiardi and DPP Director Dean Uchida) (Show Floor Seminar Room)		
1:15 PM			
1:30 PM	Mea 'Ono! Pop-up Dessert Stations (Exhibition Hall)		
2:00 PM	Session 1C – 1 AIA LU Post-COVID Construction Costs: Making Cents of it All	Session 2C – 1 AIA LU/HSW Keeping Our Waters Clear – and Avoiding Costly Penalties	Session 3C – 1 AIA LU The Life of the K-Factor
3:00 PM			
3:15 PM	Session 1D – 1 AIA LU Business Development Trends: Dissolving Distancing (Presented by SMPS)	Session 2D – 1 AIA LU/HSW Hawaii's New State Hospital – Safe, Secure and Therapeutic	Session 3D – 1 AIA LU/HSW It's Not If, It's When – Wind and Tsunami Code Changes to the 2018 IBC
4:15 PM	Pau Hana Celebration & Prize Giveaway (Exhibition Hall)		
5:30 PM	EXHIBIT HALL CLOSES		

All times/sessions are subject to change.

‘EHĀ — 4	‘ELIMA — 5	‘EONO — 6	‘EHIKU — 7
SUSTAINABILITY & PLANNING	GOVERNMENT, CODES & PUBLIC POLICY	EXHIBITOR SPONSORED SEMINARS (SHOW FLOOR SEMINAR ROOM)	PRODUCT SHOWCASE (SHOW FLOOR LOUNGE)
PBX21 REGISTRATION OPENS			
<p>Session 4A – 1 AIA LU Hale Makana o Ma’ili and Hale Lipoa - The Gift of Homes</p>	<p>Session 5A – 1 AIA LU/HSW Advancing Community Resilience: Where Are We?</p>		
Ho’okipa Opening Ceremony (Exhibit Hall Lobby)			
EXHIBIT HALL OPENS			
CSI Hospitality Booth Coffee Service/Member Drive			
		<p>Session 6A – 1 AIA LU/HSW Sound Control for Ceramic and Stone Tiled Floors: What You’re Not Hearing</p>	
<p>Session 4B – 1 AIA LU/HSW Healthy Workplace Investments – The ABCs of ROIs</p>	<p>Session 5B – 1 AIA LU Leveraging New Technologies for Real-World Construction (Presented by GCA of Hawaii)</p>		<p>Session 7A – 1 AIA LU/HSW Performance, Resiliency and Sustainability: Pultruded Fiberglass Windows and Doors</p>
Awakea ‘Aina Lunch (Exhibition Hall)			
Construction & Design Industries Luncheon: The DPP Revamp: An Update from the Mayor and Director (Mayor Rick Blangiardi and DPP Director Dean Uchida) (Show Floor Seminar Room)			
			<p>Session 7B Crystalline Watertight Concrete System and Sustainable Concrete Specifications</p>
Mea ‘Ono! Pop-up Dessert Stations (Exhibition Hall)			
<p>Session 4C – 1 AIA LU/HSW System Approach to Green Building in Hawai’i</p>	<p>Session 5C – 1 AIA LU Legislative Outlook: Priorities & Hot Topics for Legislative Session 2022</p>	<p>Session 6B – 1 AIA LU/HSW Permeable Concrete Technology Interlocking Pavers</p>	
<p>Session 4D – 1 AIA LU/HSW Punahou School’s “Path to Net Zero” Initiative: Walking the Walk</p>	<p>Session 5D – 1 AIA LU Long Beach Civic Center: The How-tos of Municipal DBFOMs</p>	<p>Session 6C – 1 AIA LU/HSW Critical Points of Tile Design and Installation</p>	<p>Session 7C Build Different, Build Better – Insulated Concrete Forms</p>
Pau Hana Celebration & Prize Giveaway (Exhibition Hall)			
EXHIBIT HALL CLOSES			

SEMINAR GUIDE

Educational opportunities knock at PBX21 with local and national experts presenting on 26 topics. Most sessions earn 1 AIA LU, and many also qualify

for HSW credit. Selected sessions will be recorded and available on demand after the event.

Admission badge is required for entry to seminars. Topics and speakers are subject to change.

'EKAHI (TRACK 1) - DESIGN AND PRACTICE

Session 1A (1 LU) 7:45 AM

Lessons Learned from Real World Insurance Claims

This seminar will discuss lessons learned from several recent construction and design defect lawsuits in the state of Hawaii and on the mainland, to see what we can learn to better manage risk and avoid litigation.



BENNETT CHIN

PRESENTER: Bennett Chin

Managing Partner,
Gordon Rees Scully
Mansukhani

Bennett Chin's practice is primarily focused on representing and counseling architects and engineers. He has more than 25 years of experience and his construction law practice includes construction defect claims, delay impact and loss productivity claims, professional negligence claims, construction contract and payment disputes.

Session 1B (1 LU/HSW) 10:00 AM

Honouliuli Middle School - All in with HI-CHPS

Learn how this project's design team led a collaborative process with the community and government stakeholders to realize this success. Honouliuli Middle School in East Kapolei, bestowed with the prestigious Award of Excellence by AIA Honolulu, is the first whole public school project in Hawaii to achieve Hawaii-Collaborative for High Performance Schools (HI-CHPS) Verified certification.

PRESENTERS: Mark Ayers, AIA, LEED-AP

Associate/Senior Project
Architect, Ferraro Choi
And Associates

Mark has broad experience in collaborative and creative educational and research environments. His diverse skills and thoughtful client engagement allow him to identify specific client requirements early in the design process, for a variety of project types.



MARK AYERS



BILL BROOKS

Bill Brooks, AIA, LEED AP

Principal/Vice President,
Ferraro Choi And
Associates

Bill is well known for his sustainable and educational work in Hawaii. He was Principal in Charge and Architect of Record for the Hawaii Gateway Energy Center, which in 2005 became one of the world's first projects to achieve LEED Platinum certification. He also served as Principal in Charge and Architect of Record for the Waipahu Intermediate School Cafeteria, the first LEED certified project for Hawaii's Department of Education.

Session 1C (1 LU) 2:00 PM

Post-COVID Construction Costs: Making Cents of it All

Volatility in the costs of doing business has taken the construction industry on a rollercoaster ride since the pandemic came ashore. Join our panelists for a discussion about cost trends over the course of 2020, what we anticipated v. cost data we reported, drivers and influencers of reported cost data, and a look at anticipated cost trends for 2022-2024.

PANELISTS:

Cassie Idehara, MRICS, CCM

Principal, Rider Levett
Bucknall

Based in RLB's Honolulu office, Cassie Idehara leads clients' program success as it relates to construction costs and oversees performance of the Honolulu team specializing in cost estimating, project cost management and value analysis.



CASSIE IDEHARA



GLEN KANESHIGE

Glen Kaneshige

President, Nordic PCL
Construction Inc.

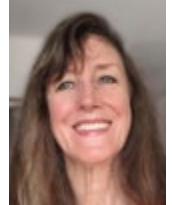
In addition to leading one of Hawaii's oldest kama'aina construction companies, Glen served as president of the General Contractors Association (GCA) of Hawaii in 2006 and is currently one of

four Associated General Contractors (AGC) Governors for the State of Hawaii.

Brett Alexander-Estes

Associate Editor, Trade
Media Hui

Brett Alexander-Estes is an associate editor at Trade Media Hui, where she writes for Building Industry Hawaii, a magazine for Hawaii's building industry professionals. She covers building development and construction news in Hawaii's commercial, residential, institutional, government, hospitality and military sectors. She also writes for Trade's annual Construction Preview and Construction Industry Guide.



BRETT ALEXANDER-ESTES



PAUL BREWBAKER

MODERATOR:

Paul Brewbaker, PhD, CBE

Principal, TZ Economics

Paul has a background in research on the Hawaii economy and in country risk and financial risk analytics from 25 years as a commercial bank economist. He received his AB from Stanford University and received his PhD from the University of Hawaii, both in economics.

Session 1D (1 LU) 3:15 PM

Business Development Trends: Dissolving Distancing Presented by SMPS

Doing business during a pandemic turned many of us on our heads. Tried and true practices were deemed unsafe or impracticable. As our communities stabilized, our industry started to figure out new and improved methods of marketing their services, building relationships, and winning work. Our panel will discuss what worked, what didn't, and what to expect as we return to "normal."

PANELISTS: Chris Hong, AIA, NCARB, LEED AP

Principal, English Hong
Architecture

Chris oversees projects ranging from commercial and institutional facilities



CHRIS HONG

to healthcare architecture while specializing in project innovation and rebranding with an emphasis on sustainability and integrated collaboration. He leads the firm's business development efforts as well as the marketing and advertising aspects.



Beth Shimogawa, CPSM

Corporate Manager, Communications, Coffman Engineers

BETH SHIMOGAWA

As the corporate communications manager at this national multidiscipline engineering design firm, Beth is passionate about communication and marketing strategies that bring value to clients and employees companywide and at the office level.

Kaylin Yoshida

Director of Sales and Marketing, BELFOR Property Restoration Hawaii

Before joining BELFOR, the North American leader in integrated



KAYLIN YOSHIDA

disaster recovery and property restoration services, Kaylin held sales and marketing positions for UFC Gym, 6-pillars marketing agency, entertainment groups and local clothing brands/companies.



MICHAEL JENKINS

where he manages business development, marketing, project estimation, and client accounts for all service lines. Michael has focused on expanding ENPRO's established position as Hawaii's premier environmental consulting firm.

MODERATOR: Michael Jenkins

Business Development Manager, ENPRO Environmental

Michael Jenkins leads the Client Relations team at ENPRO Environmental

'ELUA (TRACK 2) - CONSTRUCTION AND CONTRACTING

Session 2A (1 LU/HSW) 7:45 AM

BMP Case Study: Moanalua

High School's New Performing Arts Center

Best practices lead to best performers. Learn how Hawaiian Dredging Construction Company Inc. addressed the challenges of building a complex state-of-the-art performing arts center amid a busy operating high school and an unexpected pandemic.

PRESENTERS:

Boyd Marumoto, PE, CSI, CDT, CCCA, LEED AP

Project Director, Hawaiian Dredging Construction Co. Inc.



BOYD MARUMOTO

Boyd Marumoto has 47 years of experience in project management, field supervision and estimating in Hawaii and Guam. Among his notable projects are Moanalua High School Performing Arts Center Phase 2B, Queen's Medical Center West - Parking Structure, Sheraton Kauai Resort Renovation of Garden Wings, Ala Moana Center - Ewa Mall Expansion.



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International Construction Code Evaluation Report ESR 3632 TERM Termite Physical Barrier System: <https://icc-es.org/report-listing/esr-3632/>

SEMINAR GUIDE



Allen DeLaura
*General Superintendent,
Hawaiian Dredging
Construction Co. Inc.*

Allen DeLaura has 50 years of project field supervision experience. Among notable projects he has worked on are Moanalua High School Performing Arts Center, various federal military projects, Queen's Medical Center West - Parking Structure, Sheraton Kauai Resort Renovation of Garden Wings, Ala Moana Center - Ewa Mall Expansion.

ALLEN DELAURA

ects he has worked on are Moanalua High School Performing Arts Center, various federal military projects, Queen's Medical Center West - Parking Structure, Sheraton Kauai Resort Renovation of Garden Wings, Ala Moana Center - Ewa Mall Expansion.

Session 2B (1 LU)

10:00 AM

Closing the Loop: Securing Your Right to Payment - Hawaii Lien Law

Presented by BIA-Hawaii

To lien or not to lien; that is the question. Discover more about liens for private and public projects, the requirements, who can lien, what property is lienable and what you should include in your lien application.

PRESENTER:

Sarah Love

*Partner, Bays, Lung,
Rose & Voss*

Sarah Love's areas of practice include counseling clients and litigating disputes involving construction law, construction contract drafting and negotiation, procurement law and disputes, insurance defense and coverage, real estate and complex commercial issues.



SARAH LOVE

Session 2C (1 LU/HSW)

2:00 PM

Keeping Our Waters Clear - and Avoiding Costly Penalties

This presentation will focus on the latest national pollutant discharge elimination system (NPDES) requirements, provide an overview of the NPDES permitting process, including records maintenance, and steps to close out the permit. We will also touch on some of the recent issues we have encountered while out on construction stormwater permit inspections.

PRESENTER:

Randee Tubal

*Enforcement Section,
Hawaii Department of
Health, Clean Water
Branch*

Randee has worked for the Department of Health, Clean Water Branch since 2009 and has been with the Enforcement section



RANDEE TUBAL

and has been with the Enforcement section

since 2019. Originally from Southern California, she moved to Hawaii to work on conservation projects.

Session 2D (1 LU/HSW)

3:15 PM

Hawaii's New State Hospital - Safe, Secure and Therapeutic

This session will provide an account of the design-build process employed at the Hawaii State New Patient Facility and highlight how the design-build goals were achieved at the new facility, which was delivered from design through construction in under three years. The presenters will detail how to successfully partner for optimal outcomes. The partnership resulted in innovation in project delivery, design and construction, and a state-of-the-art facility that meets the design-build goals: Safe, secure and therapeutic.

PRESENTER:

Katie MacNeil,
AIA LEED AP

Principal, G70

With over 23 years of experience, Katie MacNeil serves as the firm's practice leader for healthcare architecture. She specializes in full-service design with client engagement from vision through realization; from feasibility through construction and is recognized for her capacity for leading complex projects.



KATIE MACNEIL

'EKOLU (TRACK 3) - TECHNICAL AND SPECIFICATIONS

Track presented by SEA0H

Session 3A (1 LU/HSW)

7:45 AM

Evaluation and Protection of Bonded Post-tension Tendons

Despite their widespread use in structures, evaluating the in-situ condition of grouted post-tensioned tendons inside a sealed duct can be challenging, but essential, especially in Hawaii's tropical environment. This presentation will discuss non-destructive methods of evaluating grout condition and detecting voids or soft grout within sealed ducts as well as cover the history and development of an innovative post-tension impregnation process that can effectively protect the tendon from future corrosion.

PRESENTER:

Rick Ellingson, PE, NACE CP2

Business Development Manager-West Coast, Vector Corrosion Technologies Inc.

Rick Ellingson is a licensed civil engineer and



RICK ELLINGSON

Session 3B (1 LU)

10:00 AM

Courthouse Curiosities: True Tales from Texas

This session will present a summary of four construction disputes that were well beyond the norm. The total claims against the engineers-of-record were \$76M. The disputes include: the partial roof collapse and total inventory loss at the regional headquarters and distribution center of a major national retailer; a 14-story luxury condominium tower that became uninhabitable almost immediately upon completion; America's then-most expensive high school football stadium, which was deemed to be unsafe and was closed shortly after its grand opening; and a 10-level parking garage that collapsed while under construction.

PRESENTER:

Stan Caldwell

*Stan R. Caldwell P.E.,
SECB*

Stan Caldwell provides structural engineering consultation as a sole proprietor based in Plano, Texas. His focus is on construction litigation, working primarily as a consultant to defense attorneys. Stan has 50 years of experience in the analysis, design and management of more than 800 projects, including buildings, bridges and specialty structures such as retaining walls, spillways, levees, large underground vaults, wharves, offshore oil platforms, pipelines and elevated LNG tanks.



STAN CALDWELL

Session 3C (1 LU)

2:00 PM

The Life of the K-Factor

There was a time long ago, in a galaxy not far away, that columns were designed for a length, L, without K. Then, in the early 1960s, the now-familiar K-factor was codified. Over the many decades since, it came to seem as if the K-factor had always existed. Now, we have methods of design by which columns can be designed that take into account stability using $KL = L$ again. This webinar explores the origins and development of K, the effective length factor, and why it often can now be taken equal to 1.

PRESENTER: Charles J. Carter, SE, PE, PhD

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CHARLES J. CARTER

President, American Institute of Steel Construction (AISC)

Prior to being named president of the American Institute of Steel Construction in 2016, Dr. Carter was vice president and chief structural engineer for AISC, which writes the standards to which all steel buildings in the U.S. are designed and constructed. Carter has spearheaded a number of important initiatives, including the revitalization of the AISC Code of Standard Practice, the development of a unified Steel Manual combining both ASD and LRFD, the development of AISC's first Seismic Design Manual, and the expansion of AISC continuing education programs into the online realm.

Session 3D (1 LU/HSW)

3:15 PM

It's Not If, It's When - Wind and Tsunami Code Changes to the 2018 IBC

A summary of recent changes to the State Building Code will be presented with the adoption of the 2018 International Building Code, International Residential Code and International Existing Building Code. The focus is on structural requirements pertaining to wind design and safe room design as they relate to the IBC and IRC. Some limited requirements for tsunami design will also be briefly discussed.

PRESENTERS:

Lyle Carden, PhD, SE, PHIUS CPHC

Vice President, Martin Chock & Carden, Inc.

Dr. Carden has 20 years of professional engineering experience and is involved in the design and construction management of a number of notable structural engineering projects for new buildings, renovations and evaluations. As chair of the Building Code Committee of the Structural Engineers Association of Hawaii, Dr. Carden is also the structural engineering representative on the Hawaii State Building Code Council.



LYLE CARDEN



GARY CHOCK

Gary Chock

President, Martin Chock & Carden, Inc.

Gary Chock has been engaged in structural engineering since 1980 and has actively led the efforts in modernizing Hawaii's hurricane wind criteria; he completed comprehensive wind studies for new wind design mapping that were adopted in the building codes for the entire state.

'EHĀ (TRACK 4) - SUSTAINABILITY & PLANNING

Session 4A (1 LU)

7:45 AM

Hale Makana o Maili and Hale Lipoa - The Gift of Homes

Learn how two affordable housing projects on Oahu were designed to meet LEED Silver standards. See and hear what features, systems and products were included during the design and construction of these remarkable affordable rental housing projects.

PRESENTERS:

Joel Ganotisi, CDT, LEED AP

Associate, Project Architect, AHL

Joel Ganotisi has over 22 years of architectural experience. Along with coordinating project delivery, Joel is involved with all phases from design through construction administration. He brings local values and attention to detail to the various roles he plays in some of AHL's most significant federal, state and residential projects.



JOEL GANOTISI



KALI WATSON

Kali Watson

President & CEO, Hawaiian Community Development Board

Kali has been at the forefront of Hawaiian issues for over 40 years. He founded HCDB in 2000 as a continuation of his passion for providing Native Hawaiian families with affordable housing options. In recent years, to expand HCDB's reach into the private non-homesteading areas, Kali has established successful HCDB partnerships with various private developers of low-income housing tax credit projects primarily located on Oahu.

Session 4B (1 LU/HSW)

10:00 AM

Healthy Workplace Investments - The ABCs of ROIs

The value of creating wellness at the workplace has seen increased recognition over the past years and has become a competitive advantage. The COVID-19 crisis has supercharged the need for healthy, safe and productive workplaces as employees are increasingly concerned about safety and health and companies and building owners seek to retain valuable talent and tenants. Investing in healthy, safe and productive workplaces has an increasingly attractive ROI for commercial real estate.

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PRESENTERS: Phillip Camp, AIA, LEED AP, WELL AP, CEM

Principal, Hi-arch-y LLP

Over the last two decades Phillip Camp has completed a multitude of award-winning, high density residential, mixed-use retail and commercial office projects throughout the West Coast and Hawaii. He also has completed three LEED Platinum Certified projects, including the Keauhou Lane mixed-use project and Hauoli Mau Loa Office Headquarters in Honolulu and the Kolopua Affordable Housing project in Princeville, Kauai.



PHILLIP CAMP

scientific consultant, a professional engineer, and an educator. Manfred has worked in the sustainability arena for over 20 years, specializing in energy / water efficient buildings and low impact site development. He has been teaching and conducting research in high performance buildings.

**Session 4C (1 LU/HSW)
2:00 PM**

System Approach to Green Building in Hawaii

This session will discuss the evolution of residential green building in Hawaii and how Gentry Homes has utilized a systems approach to energy efficiency and green building.



DR. PHYLLIS HORNER

Phyllis Horner, PhD, WELL AP

Founder and CEO, Great Places and Spaces LLC

Dr. Phyllis Horner is a professional executive coach and consultant in the ROI of people investments. Her experience includes design of competitive business strategy, corporate values, performance and productivity systems, executive development and succession.

Manfred Zapka, PhD, PE, CIEC, WELL AP, LEED AP, CEM

Co-founder and Principal, Great Places and Spaces LLC

Dr. Manfred Zapka is an engineering and



DR. MANFRED ZAPKA



ANDREW KAMIKAWA

PRESENTERS: Andrew Kamikawa

Vice President, Finance, Gentry Homes

Prior to joining Gentry Homes in February 2018, Andrew was the senior manager, development accounting for The Howard Hughes Corporation. He began his career at the accounting firm KPMG LLP.

Jayson McCullough

Construction Manager, Gentry Builders LLC

Jayson McCullough is the construction manager for Gentry Builders, LLC, overseeing purchasing, contracts, and scheduling.



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Session 4D (1 LU/HSW) 3:15 PM

Punahou School's "Path to Net Zero" Initiative: Walking the Walk

Punahou School's "Path to Net Zero" is a unique organizational, large-scale and campus-wide initiative that incorporated a turnkey planning/design/construction approach with the goal of achieving a 100% Net-Zero Energy target through energy efficiency, energy conservation, and on-site renewable energy including battery energy storage.



NOELEHUA ARCHAMBAULT

PRESENTERS:

Noelehua Archambault

Vice President
for Institutional
Advancement, Punahou
School

Noe Archambault is the vice president for Institutional Advancement at Punahou School, responsible for overseeing alumni relations, archives, fundraising and operations departments, which collectively marshal resources and support to advance

the mission of Punahou School.

Kevin Chock

Vice President, RHA
Energy Partners

Kevin Chock leads RHA Energy Partners' overall efforts in working with public and private sector clients to identify, evaluate and implement comprehensive energy-related programs, projects and solutions that leverage technologies ranging from energy efficiency to on-site renewable energy and to progressive solutions.



KEVIN CHOCK



TODD CHOW-HOY

Todd Chow-Hoy

Junior School Principal,
Punahou School

Todd Chow-Hoy was named Junior School (K-8) principal in July 2021. Now in his 23rd year at the school, he has previously served in multiple roles, including middle school math teacher and department chair, summer school director, administrative dean and assistant principal.

'ELIMA (TRACK 5) - GOVERNMENT, CODES AND PUBLIC POLICY

Session 5A (1 LU/HSW) 7:45 AM

Advancing Community Resilience: Where Are We?

The changing nature of climate risk, unpredictable and complex health-related vulnerabilities create a new urgency for solutions that advance whole-community resilience. In forging greater resilience, the critical task is to marshal our collective know-how to grow local capacity to recover and ensure future sustainability in the places we live. Where are we? And, what can we learn from national and local efforts that invest in resilience? This session will focus on actions and tools that implement holistic resilience strategies including proactive examples of steps to improve the long-term quality of life for residents and thinking beyond business-as-usual.

PANELISTS:

Dr. Robert Franco

Director for Institutional
Effectiveness, Kapiolani
Community College



DR. ROBERT FRANCO

In addition to running the office of Institutional Effectiveness at Kapiolani Community College, which houses the Center for Resilient Neighborhoods (CERENE), Dr. Franco oversees KCC's nation-leading Service and Sustainability Learning Program which successfully develops student leadership positions to build program capacity.

ship positions to build program capacity.

Matthew Gonsler, AICP, CFM

Chief Resilience Officer
& Executive Director
City & County of
Honolulu Office of
Climate Change, Sustainability and
Resiliency



MATTHEW GONSER

Matthew Gonsler serves as the City and County of Honolulu chief resilience officer and executive director of the City's Office of Climate Change, Sustainability and Resiliency. He joined the City and the Resilience Office in October 2017 and previously served as the coastal and water program manager.

Laurie Schoeman

National Director of Resilience and
Disaster Recovery, Enterprise Community
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Laurie Schoeman is a leader in design and implementation of leading-edge programs focused on building climate adaptive housing and cities across around the nation. For the past eight years, she has led Enterprise Community Partners' efforts to preserve and protect affordable housing across the nation from the risks and impacts of natural hazards and a changing climate.



LAURIE SCHOEMAN

**Session 5B (1 LU)
10:00 AM
Leveraging New Technologies
for Real-World Construction
Presented by GCA of Hawaii**

Hawaii's construction industry has rapidly adopted artificial intelligence, virtual reality, augmented reality and other technologies to plan, design and build real-world projects. More Hawaii companies are adding robots, drones, digital twins, machine learning and other innovative solutions to their tech toolbox. This is transforming the construction industry and improving productivity, precision, and profitability. Learn how three Virtual Design and Construction (VDC) professionals are incorporating state-of-the-art technologies to change the way projects are built in Hawaii.

PRESENTERS:
Christopher Baze
BIM Manager, Hawaiian Dredging Construction Company

Christopher Baze has been with Hawaiian

Dredging Construction Company (HDCC) since 2009. He has served as HDCC's BIM Manager since 2011 and has been actively using and managing software and hardware from companies including Autodesk, Trimble, and Leica Geosystems.



JONATHAN BURKE

Jonathan Burke, DBIA, LEED AP
Director of Technical Operations, Swinerton

Jon has over 15 years of design-build, project management and virtual design and construction coordination experience. He manages Swinerton Hawaii's Virtual Design and Construction department, scheduling department, layout department and the technical tools which support the company's field operations.

Angelo Lago
Senior Virtual Design and Construction (VDC) Manager, Hensel Phelps Pacific District



ANGELO LAGO



RAMONA MULLAHEY

MODERATOR:
Ramona Mullahey
Senior Analyst, Field Policy & Management, HUD Honolulu Field Office

Ramona Mullahey works in the community to align local priorities with Agency strategic goals to achieve synergies of depth and scale. She co-chaired Honolulu's Bouncing Forward Working Group for Ola: O'ahu's Resilience Strategy which advanced Action 15 on developing a resilience hubs network.

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Over his 12-year career with the company, Angelo has spearheaded several programs to integrate VDC technology into design planning and field operations. Angelo's push for drone/3D site surveying, augmented reality integration, 360° photo/video documentation, and 4D modeling has aided project teams in becoming more efficient in MEPF coordination and installation, workflow and scheduling.

Session 5C (1 LU) 2:00 PM

Legislative Outlook: Priorities & Hot Topics for Legislative Session 2022

Presented by BIA-Hawaii

Join us for a deeper understanding of current government affairs and policy and how they affect you as industry professionals, including successes and concerns from 2020 and Q1 2021, hot industry-related topics to watch for when bills are submitted for the 2022 legislative session, the governor's race, redistricting and a new City Council. Panelists also will discuss key national topics that affect us here in Hawaii.



BEAU NOBMANN

PRESENTERS:

Beau Nobmann

President, BIA-Hawaii

Beau Nobmann has been with HPM Building Supply for the past 8 years and previously worked for 11 years at Golden State Lumber, Inc. in Petaluma, California.

Stefanie Sakamoto

Lobbyist, BIA-Hawaii

Stefanie Sakamoto has worked in Hawaii's political arena since 1999. In 2009, she began her career in legislative and political advocacy,



STEFANIE SAKAMOTO

first for the Hawaii Credit Union League before opening her own governmental affairs consulting firm, Sakamoto Consulting, in 2015.



DARYL TAKAMIYA

Daryl Takamiya

President-Elect and

Government Relations Chair, BIA-Hawaii
Daryl Takamiya is a senior project engineer at Castle & Cooke Hawaii.

Session 5D (1 LU) 3:15 PM

Long Beach Civic Center: The How-tos of Municipal DBFOMs Presented by CSI West Region/ LA CSI

Clark Construction recently completed the Long Beach Civic Center (LBCC) which includes a new city hall and civic chambers, a headquarters for the Port of Long Beach, and a public library. The \$414,000,000 and 600,000 sq. ft. project replaced maintenance-plagued, seismically-unsound structures with four new civic buildings that play a vital role in the City's efforts to revitalize downtown, and without added cost to taxpayers. The state-of-the-art Civic Center development was delivered under an innovative public-private partnership (P3), utilizing a design-build-finance-operate-maintain (DBFOM) contract. The project is the nation's and North America's first municipal DBFOM, and is also the first North American hybrid DBFOM to combine public infrastructure and private development within a single project.

PRESENTERS:

Arnoldo Ulloa

Senior Associate,
Edgemoor Infrastructure
& Real Estate



ARNOLDO ULLOA

Arnoldo Ulloa has more than 10 years of experience in banking and real estate, infrastructure, and community development, including projects in Los Angeles, Greater New York City, Nashville, Brazil and Malaysia. After finishing graduate business school in 2016, he developed underwriting processes and managed the due diligence on \$350M of P3 transactions, real estate acquisitions, and tax credit equity investments for Atwater Infrastructure Partners, a startup real estate and infrastructure investment firm.

Erin Young, LEED AP

Project Executive, Clark
Construction Group



ERIN YOUNG

Erin Young was the Long Beach Civic Center project manager for Clark Construction. Some of her previous projects include the 942,000-square-foot, \$355 million Governor George Deukmejian Courthouse in Long Beach, and the 632,000-square-foot \$345 million U.S. Federal Courthouse in downtown Los Angeles.

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'EONO (TRACK 6) – EXHIBITOR SPONSORED SEMINARS

**Session 6A (1 LU/HSW)
9:45 AM**

Sound Control for Ceramic and Stone Tiled Floors: What You're Not Hearing

Sponsored by Schluter Systems

This seminar highlights the key factors that should be considered when installing a tiled floor where sound control is a consideration. Effective sound control is particularly relevant whenever there are multiple units in a building. Installing a tiled floor that meets minimum acceptable standards for sound control is a complex undertaking. There are many approaches and products available on the market and that may lead to confusion and undesirable results.

PRESENTER: Dan Curtis

Architectural Sales Manager, Northern California & Hawaii, Schluter Systems

Dan Curtis started in the stone industry in 1977, for Marble/Unlimited, one of only

two natural stone slab and tile importers on the West Coast at the time. In 2000, he became an independent representative for Schluter Systems, and in 2017 became an employee of the company.



DAN CURTIS

**Session 6B (1 LU/HSW)
2:00 PM**

Permeable Concrete Technology Interlocking Pavers

Sponsored by Evergreen by Debra

Permeable interlocking concrete pavement systems have been around for 25 or 30 years. They require wide gaps for rainwater to pass around and in between. Our presentation explains the new technology of interlocking pavers made of 100% permeable concrete, where the water passes through the pavers as well as in between.

PRESENTER:

Jeff Pompador, CTC

Hawaii & Guam Field Inspector, Ceramic Tile Institute of America (CTIOA)



JEFF POMPADOR

As the Hawaii field inspector for CTIOA, Jeff Pompador is responsible for performing unbiased inspection/consultation of ceramic tile, tile paver, tile and brick veneer, glass mosaic and stone tile installations. He has given

written evaluation and recommendations for new projects and repair of existing projects he has inspected in Hawaii and the Pacific Rim.

**Session 6C (1 LU/HSW)
3:15 PM**

Critical Points of Tile Design and Installation

Sponsored by MAPEI in cooperation with International Masonry Institute

This seminar takes a close look at the most critical elements of a successful tile project, from preliminary design through the finished installation. Applying the evaluation criteria of the Advanced Certifications for Tile Installers (ACT) to real projects and case studies, this program examines the critical requirements of ACT's specialty areas of large format tile, membranes, mud floors and walls, shower

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PRESENTER:
Scott Conwell,
FAIA, FCSI, CDT,
LEED AP

Director of Industry Development & Technical Service, International Masonry Institute (IMI)

Scott Conwell is a leader in the tile and stone industry and sits on the tile/marble/terrazzo labor management craft committee of the International Union of Bricklayers and Allied Craftworkers.



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are identified each year. As one of the first modern composite materials, fiberglass is at the forefront of this innovation. This course will familiarize you with the basic aspects of fiberglass composites, specifically pultruded fiberglass, and target their usefulness and environmental advantages in the window and door industry.



ALEX MACKENZIE

PRESENTER: **Alex MacKenzie**
Architectural Project Manager, Marvin

Alex has more than 15 years of experience in the fenestration industry. In his role as an architectural project manager for Marvin, Alex works with design and trade professionals across the Pacific Northwest to overcome design challenges and to bring to life the ambitious aspirations of his clients.

Session 7B
1:15 PM

Crystalline Watertight Concrete System and Sustainable Concrete Specifications

Sponsored by Kryton International Inc.

Things have changed in sustainable concrete practices. No longer are design and construction teams required to use surface applied coatings, sealers and membranes to keep concrete buildings leak-free and resistant to damage caused by erosion and abrasion. The presentation provides a brief overview of the crystalline concrete admixture technology and the American Concrete Institute's (ACI) recommendations for concrete in hydrostatic conditions; reviews how to build a watertight structure without the use of externally applied membranes and how to increase concrete durability as part of a carbon reduction strategy.

PRESENTER: **John Andersen**

Territory Manager, Kryton International Inc.

With over 25 years of experience supporting projects in the concrete and construction industries, John Andersen has spent the past 13 years of his career with Kryton International, applying his knowledge and experience to concrete sustainability and durability on projects throughout Western Canada and the Pacific Northwest USA.



JOHN ANDERSEN

Session 7C
3:00 PM

Build Different, Build Better - Insulated Concrete Forms
Sponsored by Aloha Marketing Manufacturers Representatives

What if you could produce what you build with for residential and light commercial construction right here on Oahu? What if that structure was corrosion-free reinforced concrete, fully and continuously insulated? What if that structure was protected by a water-resistant and fire-resistant stucco? What if building this way could drastically reduce Hawaii's carbon footprint? It's time to build different and build better Hawaii.



PAUL KANE

PRESENTER: **Paul Kane III, CSI, CDT**
Owner/Manager, Aloha Marketing

Aloha Marketing provides technical representation for commercial construction products in Hawaii, Oregon, Washington, Alaska, California and Guam for Neuvokas Corp., makers of GatorBar FRP rebar; Lo-Jac Corp., makers of Kodi-Klip system of rebar attachment and Polylok. In Hawaii, the company provides technical representation for commercial construction products and now also retails, distributes and wholesales materials.

'EHIKU (TRACK 7) - PRODUCT SHOWCASE

Session 7A (1 LU/HSW)
10:00 AM

Performance, Resiliency and Sustainability: Pultruded Fiberglass Windows and Doors
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