



International Approaches to Climate Change Planning and Adaptation in the Built and Natural Environments

March 10, 2021

Noon - 1:30 PM HST

Welcome!

- **This virtual gathering is being recorded**
- Chat
 - Introduce yourself
 - Where are you calling from?
 - How did you hear about this webinar?
- Q&A
 - What question(s) are you hoping will be answered by today's discussion?



Veronica Rocha
"Co-MC"



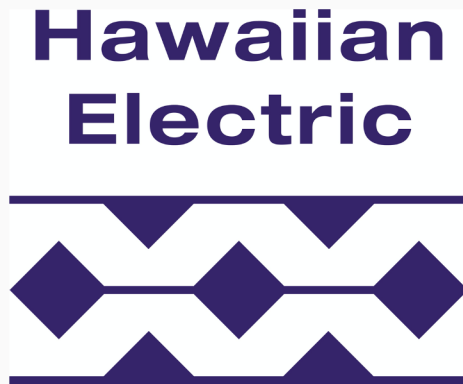
David Janes
"Co-MC"



Naoki Nagai
"DJ"

Thank you to our sponsors!

- Today's webinar is made possible thanks to our sponsors:



**Consulate
General of
Japan in
Honolulu**

Overview

- Introductions
 - PICHTR
 - OIST Foundation
- Commemoration of 10th Anniversary of the Great Japan Earthquake
- Backdrop
- Panel Presentations
- Group discussion

**Please enter your
questions into the
Q&A at any time!**



PICHTR'S History and Vision

ABOUT

In 1982, US Senator Spark Matsunaga proposed a project to facilitate US-Japan joint research programs, and Governor George Ariyoshi announced the founding of Pacific International Center for High Technology Research (PICHTR)

PICHTR was established by the 1983 Legislature and, originally managed within the University of Hawaii for administrative purposes, and later incorporated in 1985 as an independent Hawaii-based not-for-profit

VISION

To become a leader in planning, development, evaluation and deployment of place-based sustainable practices to facilitate their adoption and implementation throughout Hawaii and Asia Pacific



PICHTR'S Latest Project & Initiatives

CLIMATE ADAPTATION COLLECTIVE

- Proactively tackles barriers to climate change adaptation by providing capacity building and advocacy to decision-makers and the general public to enable forward progress on the most critical climate change adaptation initiatives of our time
- Proactive climate change adaptation is an opportunity for a more resilient and economically strong Hawaii



- Today's webinar is part of our capacity building efforts to increase awareness and understanding of climate change adaptation challenges, solutions and opportunities for Hawaii and abroad

www.pichtr.org/climate

OIST Foundation



- The **OIST Foundation** supports scientific breakthroughs, innovation, and the sustainable development of Okinawa through OIST
- **OIST (Okinawa Institute of Science and Technology Graduate University)** is a pioneering graduate university. We conduct research that bridges disciplines to explore new frontiers of scientific knowledge. We educate a new generation of scientific leaders. We are a catalyst for an innovation hub in Okinawa.
- Strong focus on climate, alternative energy, and environmental research

Commemoration of 10th Anniversary of the Great Japan Earthquake (March 11, 2011)

- 9.0 magnitude earthquake in the Pacific Ocean off the northeast coast of the Tōhoku region of Japan's Honshu island
- Triggered 38-meter tsunami waves that flooded more than 200 sq. miles of coastal land
- 20,000 people died and 500,000 people were forced to relocate
- Nuclear power plant meltdown



Source: <https://www.theatlantic.com/photo/2016/03/5-years-since-the-2011-great-east-japan-earthquake/473211/>

Honoring Shimrit Perkol-Finkel, PhD - RIP

- Co-Founder & CEO of EConcrete Tech -- a world leader in bio-enhancing concrete technologies & TIME Magazine's 100 Best Inventions in 2019
- Over 20 years of experience in Marine Biology and Ecology in over 30 countries
- Winner of EU Women Innovators award
- Fast Company's 2019 top 100 Most Creative People in Business
- Presented at our February 10, 2021 webinar
- **RIP Shimrit, you will be missed!**



Shimrit Perkol-Finkel, PhD
Co-Founder & CEO,
EConcrete Tech LTD

Moment of Silence

- Commemoration of 10th Anniversary of the Great Japan Earthquake (March 11, 2011)
- Honoring Shimrit Perkol-Finkel, PhD - RIP

International Approaches to Climate Change Planning and Adaptation in the Built and Natural Environments - Backdrop

- Stopping climate change is not enough
- Climate impacts in the U.S. alone amounted to \$100 billion in 2020 (twice as much as in the prior year) and are affecting our health, homes, jobs, communities and natural heritage
- This webinar is intended to help communities take stock of existing climate adaptation resources toward mobilizing and building upon them

International Approaches to Climate Change Planning and Adaptation in the Built and Natural Environments - Backdrop (continued)

- Importance of multi-hazard planning and adaptation
 - Hawaii Emergency Declaration (3.9.21) prompted by heavy rain that caused flooding, landslides, fear of dam failure, evacuations and destroyed/damaged homes



Haleiwa, Oahu, March 9, 2021

Source:

<https://www.dailysabah.com/world/americas/catastrophic-flooding-prompts-evacuation-from-honolulu-town>



Hana Highway, Haiku, Maui, March 8, 2021

Source:

<https://www.dailysabah.com/world/asia-pacific/hawaiian-island-evacuates-after-dam-overflows-due-to-heavy-rain>

International Approaches to Climate Change Planning and Adaptation in the Built and Natural Environments - Panelists



Colton Ching
Senior Vice
President, Planning
& Technology,
Hawaiian Electric
Company



Derek Todd
Coastal
Geomorphologist,
Jacobs



Ian Wiseman
Associate
Environmental
Scientist, Jacobs



Tim Ravasi
Professor of Marine
Sciences, OIST

International Approaches to Climate Change Planning and Adaptation in the Built and Natural Environments - Q&A



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International Approaches to Climate Change Planning and Adaptation in the Built and Natural Environments - Pau!

- Wrap-up
 - Chat - enter your #1 takeaway from today
- What's next?
 - Video recording and presentations - **see follow-up email**
 - Feedback survey - **see Chat & follow-up email**
 - Please stay tuned for next webinar!
- Mahalo! Thank you!

Please get in touch!

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