



## **Schedule Overview**

July 7-11, 2024

Honolulu, Hawaii, USA

Hawai'i Convention Center

1801 Kalākaua Ave, Honolulu, HI 96815

<https://www.meethawaii.com/convention-center/>

(808) 943-3500

**Sustaining the Indoor Air Revolution:  
Raise Your Impact**

# Schedule Overview

**SUNDAY**  
**07/07**

**MONDAY**  
**07/08**

**TUESDAY**  
**07/09**

**WEDNESDAY**  
**07/10**

**THURSDAY**  
**07/11**

6:00 AM

7:00 AM

7:30 AM

8:30 AM

10:00 AM

10:30 AM

12:00 PM

1:30 PM

3:00 PM

3:30 PM

4:00 PM

4:30 PM

5:00 PM

5:30 PM

6:00 PM

6:30 PM

7:00 PM

7:30 PM

9:00 PM

All events located at Hawai'i Convention Center, unless otherwise noted.

**MASTER CLASS**  
ROOM 311  
(9:00AM-4:00PM)

**ISIAQ BOARD MEETING**  
ALA MOANA  
(10:00AM-3:00PM)

**INDOOR ENVIRONMENTS EDITORIAL BOARD MEETING**  
ROOM 328  
(11:30AM-1:30PM)

**ISIAQ ACADEMY MEETING**  
ROOM 314  
(3:30PM-5:00PM)

**REGISTRATION**  
FOYER - 3RD FLOOR  
(3:00PM-7:00PM)

**OPENING CEREMONY AND KEYNOTE LECTURE**  
BALLROOM B  
(5:30PM-7:00PM)

**RECEPTION**  
FOYER - 4TH FLOOR  
(7:00PM-9:00PM)

**Activity: Diamond Head Hike**  
(On your own)

**LIGHT BREAKFAST**  
FOYER - 3RD FLOOR  
(7:30AM - 8:30AM)

**PLENARY**  
BALLROOM B  
4TH FLOOR  
(8:30AM-10:00AM)

**COFFEE BREAK**  
(FOYER - 3RD FLOOR)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C,  
BALLROOMS A, B, & C  
(10:30AM - 12:00PM)

**LUNCH**  
OPTIONAL SESSION:  
(BTC DISCUSSION)  
FOYER - 3RD FLOOR  
(12:00PM-1:30PM)

**POSTER SESSIONS**  
313 A/B/C  
(1:30pm - 3:00pm)

**COFFEE BREAK**  
(FOYER - 3RD FLOOR)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C,  
BALLROOMS A, B, & C  
(3:30pm - 5:00pm)

**INNOVATION NETWORK MEETING**  
313 A/B/C  
(5:00PM-6:00PM)

**MIXERS**  
HILTON:  
VILLAGE GREEN AND  
RAINBOW SUITE  
(6:30PM - 7:30PM)

**Activity: Sunrise Run**  
(On your own)

**LIGHT BREAKFAST**  
FOYER - 3RD FLOOR  
(7:30AM - 8:30AM)

**PLENARY**  
BALLROOM B  
4TH FLOOR  
(8:30AM-10:00AM)

**COFFEE BREAK**  
(FOYER - 3RD FLOOR)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C,  
BALLROOMS A, B, & C  
(10:30AM - 12:00PM)

**LUNCH**  
OPTIONAL SESSION: (AGM)  
FOYER - 3RD FLOOR  
(12:00PM-1:30PM)

**POSTER SESSIONS**  
313 A/B/C  
(1:30pm - 3:00pm)

**COFFEE BREAK**  
(FOYER - 3RD FLOOR)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C,  
BALLROOMS A, B, & C  
(3:30pm - 5:00pm)

**LŪ'AU**  
HILTON:  
GREAT LAWN  
(6:00PM-9:00PM)  
**(TICKETED)**

**LIGHT BREAKFAST**  
FOYER - 3RD FLOOR  
(7:30AM - 8:30AM)

**PLENARY**  
BALLROOM B  
4TH FLOOR  
(8:30AM-10:00AM)

**COFFEE BREAK**  
(FOYER - 3RD FLOOR)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C,  
BALLROOMS A, B, & C  
(10:30AM - 12:00PM)

**LUNCH**  
OPTIONAL SESSION:  
(MENTORING)  
FOYER - 3RD FLOOR  
(12:00PM-1:30PM)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C  
BALLROOMS A, B, & C  
(1:30PM - 3:00PM)

**INDOORERS GO OUT**  
HILTON: GREAT LAWN AND LAGOON  
(4:30PM - 6:30PM)

**(OPTIONAL TICKETED EVENING CRUISE THROUGH EXTERNAL PROVIDER LINK)**

**LIGHT BREAKFAST**  
FOYER - 3RD FLOOR  
(7:30AM - 8:30AM)

**PLENARY**  
BALLROOM B  
4TH FLOOR  
(8:30AM-10:00AM)

**COFFEE BREAK**  
(FOYER - 3RD FLOOR)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C,  
BALLROOMS A, B, & C  
(10:30AM - 12:00PM)

**LUNCH**  
OPTIONAL SESSION:  
(NETWORKING)  
FOYER - 3RD FLOOR  
(12:00PM-1:30PM)

**SESSIONS**  
311, 312, 314, 315,  
316 A/B/C  
BALLROOMS A, B, & C  
(1:30PM - 3:00PM)

**COFFEE BREAK**  
(FOYER - 3RD FLOOR)

**CLOSING CEREMONY**  
BALLROOM B - 4TH FLOOR  
(3:15PM - 4:00 PM)

## Important Information:

- Registration Hours:
- **Sunday** 3:00pm-7:00pm
  - **Monday** 7:30am-5:00pm
  - **Tuesday** 7:30am - 5:00pm
  - **Wednesday** 7:30am-3:30pm
  - **Thursday** 7:30am-4:00pm

The following event titles are clickable!

- [Luau](#)
- [Mixers](#)
- [Indoorers Go Out](#)
- [Sunrise Run](#)

# Schedule Overview: Sunday Meetings + Master Class

# Sunday 07/07

9:00 am

## Master Class: Morning Session

9:00am - 12:00pm **Room: 311**

### Contemporary Germicidal Irradiation Applications

Recent changes to industrial hygiene guidelines have increased attention for engineering indoor applications of UV. This Master Class will introduce new perspectives on complimenting existing ventilation scenarios with conventional UV254 sources as well as adapting far UV222 source to occupied spaces. Managing potential air quality impacts associated with indoor UV supplements will be presented in the context of the latest professional society and government agency guidance.

This master class will be led by an agency-industry cooperative instructional team with extensive experience in this sector: **Dr. Dustin Poppendieck**, National Institutes for Standards and Technology (NIST) & **Michael Clark**, Chief Technical Officer, Far UV Technologies.

12:00 pm

## Lunch

1:00 pm

## Master Class: Afternoon Session

1:00pm - 4:00pm **Room: 311**

### Next Generation Indoor Air Quality Monitoring

A new generation of air quality (AQ) monitors has emerged for characterizing occupied indoor environments. This Master Class will introduce the technology and resolution ranges of AQ monitors now available on commercial market along with their secure networking, archiving and algorithmic abilities. Contemporary deployment examples will be presented along with best practices for installation, operations, maintenance and field calibration(s).

This master class will be led by an industry-university cooperative instructional team with extensive experience in this sector: **Professor Jeff Siegel**, University of Toronto & **Dr. Julien Stamatakis**, Chief Technical Officer, Attune Corporation (formerly Senseware Inc.).

4:00 pm

5:00 pm

## ISIAQ Board Meeting

Ala Moana

(10:00am-  
3:00pm)

## Indoor Environments Editorial Board Meeting

**Room: 328**

(11:30am-  
1:30pm)

## ADDITIONAL EVENTS:

**OPENING  
CEREMONY AND  
KEYNOTE LECTURE**  
BALLROOM B  
(5:30PM-7:00PM)

**RECEPTION**  
FOYER - 4TH FLOOR  
(7:00PM-9:00PM)

## ISIAQ Academy Meeting

**Room: 314**

(3:30pm-  
5:00pm)

# Schedule Overview: Daily Session Themes

# Monday 07/08

8:30 am

**Plenary**  
Ballroom B - 4th Floor  
(8:30am-10:00am)  
**Dr. Odessa Gomez**  
**Dr. Marianne Touchie**

10:00 am

**Coffee Break** (Foyer - 3rd Floor)

10:30 am

**Podium Sessions** (10:30am - 12:00pm)

**Session-** Aerosols and Particulate Matter 1 (**Room 314**)

**Session-** Ventilation and HVAC 1 (**Room 315**)

**Session-** Sensors and Monitoring 1 (**Ballroom A**)

**Session-** Health Outcomes and Exposure Assessment 1 (**Ballroom B**)

**Symposium-** Emerging indoors contaminants and measurement advances (**Room 316 A/B/C**)

**Workshop-** School IAQ Research Agenda that Fuels Action (**Room 311**)

**Workshop-** Beyond Mold in the Indoor Environments (**Room 312**)

**Workshop -** Indoor Chemistry of Far UV (**Ballroom C**)

12:00 pm

**Lunch** Optional Session: Beyond the Classroom Panel Discussion (Foyer - 3rd Floor)

1:30 pm

**Poster Sessions** (1:30pm - 3:00pm)  
Poster Sessions for All Thematic Tracks (**313 A/B/C**)

3:00 pm

**Coffee Break** (Foyer - 3rd Floor)

3:30 pm

**Podium Sessions** (3:30pm - 5:00pm)

**Session-** Aerosols and Particulate Matter 2 (**Room 314**)

**Session-** Covid-19 and Viral Transmission 1 (**Ballroom B**)

**Session-** Ventilation and HVAC 2 (**Room 315**)

**Session-** Sensors and Monitoring 2 (**Ballroom A**)

**Session-** Thermal Comfort and Perception Indoor Air 1 (**Room 311**)

**Symposium-** Causal Thinking on IEQ (**Room 312**)

**Symposium-** Children Exposure + Health in Day-Care and Schools (**Room 316 A/B/C**)

**Workshop -** When Does Indoor Air Chemistry Matter? (**Ballroom C**)

5:00 pm

**Innovation Network Meeting** (5:00pm-6:00pm)

6:00 pm

(313 A/B/C)

**MIXERS:** HILTON HAWAIIAN VILLAGE; VILLAGE GREEN AND RAINBOW SUITE  
(6:30PM - 7:30PM)

# Schedule Overview: Daily Session Themes

# Tuesday 07/09

8:30 am

## Plenary

Ballroom B - 4th Floor  
(8:30am-10:00am)

**Dr. Matt Perzanowski**  
**Dr. Patricia Fabian**

10:00 am

## Coffee Break

(Foyer - 3rd Floor)

10:30 am

## Podium Sessions

(10:30am - 12:00pm)

**Session-** Covid-19 and Viral Transmission 2 (**Ballroom A**)

**Session-** Air Cleaning and Filtration 1 (**Ballroom B**)

**Session-** Dampness, Mold, and Indoor Microbiome 1 (**Room 312**)

**Session-** Policy, Regulation, and Standards 1 (**Room 311**)

**Session-** Indoor Chemistry, Sources, and Transformation 1 (**Ballroom C**)

**Session-** Health Outcomes and Exposure Assessment 2 (**Room 314**)

**Session-** Ventilation and HVAC 3 (**Room 315**)

**Workshop-** The Burden of Disease of Indoor Air Pollutants (**Room 316 A/B/C**)

12:00 pm

## Lunch

Optional Session: Annual General Meeting (Foyer - 3rd Floor)

1:30 pm

## Poster Sessions

(1:30pm - 3:00pm)

Poster Sessions for All Thematic Tracks + Job Candidate Poster Session

3:00 pm

## Coffee Break

(Foyer - 3rd Floor)

3:30 pm

## Podium Sessions

(3:30pm - 5:00pm)

**Session-** Air Cleaning and Filtration 2 (**Room 311**)

**Session-** Dampness, Mold, and Indoor Microbiome 2 (**Room 312**)

**Session-** Building Simulation, Sustainability, and Energy 1 (**Room 314**)

**Session-** Thermal Comfort and Perception Indoor Air 2 (**Ballroom B**)

**Session-** Covid-19 and Viral Transmission 3 (**Ballroom A**)

**Symposium-** Improving indoor environmental quality in K-12 schools (**Ballroom C**)

**Workshop** - Community Engaged Research for Improving IAQ (**Room 316 A/B/C**)

5:00 pm

**LUAU:** HILTON HAWAIIAN VILLAGE; GREAT LAWN  
(6:00PM-9:00PM) (TICKETED)

# Schedule Overview: Daily Session Themes

Wednesday  
07/10

8:30 am

## Plenary

Ballroom B - 4th Floor  
(8:30am-10:00am)

**Dr. Dave Jacobs**  
**Dr. Catherine Noakes**

10:00 am

## Coffee Break

(Foyer - 3rd Floor)

10:30 am

## Podium Sessions

(10:30am - 12:00pm)

**Session-** Building Simulation, Sustainability, and Energy 2 (**Room 315**)

**Session-** Air Cleaning and Filtration 3 (**Room 311**)

**Session-** Thermal Comfort and Perception 3 (**Ballroom A**)

**Session-** Health Outcomes and Exposure Assessment 3 (**Room 314**)

**Symposium-** Indoor Ultrafine Particles: Nano to Accumulation Modes (**Ballroom B**)

**Symposium-** Sampling, Chemical Analysis, Apportionment for IAQ (**Ballroom C**)

**Symposium-** Dynamics of virus aerosolization and resuspension (**Room 316 A/B/C**)

**Workshop-** IEQ Guidelines Worldwide - Recommendations (**Room 312**)

12:00 pm

## Lunch

Optional Session: Mentoring Lunch

(Foyer - 3rd Floor)

1:30 pm

## Podium Sessions

(1:30pm - 3:00pm)

**Workshop-** Building Systems Against Airborne Infection (**Room 315**)

**Workshop-** Introducing the Model Clean Indoor Air Act (**Ballroom A**)

**Workshop-** Should surface cleanliness be an IEQ factor? (**Ballroom C**)

**Symposia-** Understanding Indoor-Outdoor Transport (**Room 314**)

**Session-** Health Outcomes and Exposure Assessment 4 (**Room 316 A/B/C**)

**Session-** Sensors and Monitoring 3 (**Room 311**)

**Session-** Ventilation and HVAC 4 (**Ballroom B**)

**Symposia-** Gas-Phase Air Cleaning (**Room 312**)

2:30 pm

4:30 pm

Hilton: Great Lawn and Lagoon  
(4:30pm - 6:30pm)

## Indoorers Go Out

6:30 pm

# Schedule Overview: Daily Session Themes

Thursday 07/11

8:30 am

## Plenary

Ballroom B - 4th Floor  
(8:30am-10:00am)

**Dr. Junfeng (Jim) Zhang**  
**Dr. Shin-ichi Tanabe**

10:00 am

## Coffee Break

(Foyer - 3rd Floor)

10:30 am

## Podium Sessions

(10:30am - 12:00pm)

**Session-** Aerosols and Particulate Matter 3 (**Room 316 A/B/C**)

**Session-** Air Cleaning and Filtration 4 (**Room 314**)

**Session-** Climate Change, Wildfires, Natural Disasters, and Urbanization 1 (**Ballroom B**)

**Session-** Health Outcomes and Exposure Assessment 5 (**Room 311**)

**Session-** Thermal Comfort and Perception Indoor Air 4 (**Ballroom C**)

**Symposium-** Aerobiology in the Context of Indoor Air Quality (**Room 312**)

**Workshop-** Mixed Mode Ventilation in the Tropical Climate (**Room 315**)

**Workshop-** Expanding Perspectives for Indoor Chemistry (**Ballroom A**)

12:00 pm

## Lunch

Optional Session: Networking Lunch

(Foyer - 3rd Floor)

1:30 pm

## Podium Sessions

(1:30pm - 3:00pm)

**Session-** Aerosols and Particulate Matter 4 (**Room 316 A/B/C**)

**Session-** Air Cleaning and Filtration 5 (**Room 314**)

**Session-** Building Simulation, Sustainability, and Energy 3 (**Ballroom C**)

**Session-** Indoor Chemistry, Sources, and Transformation 2 (**Ballroom B**)

**Symposium-** Bedroom Environment and Sleep Quality (**Room 311**)

**Symposium-** High-Efficiency Engineering Controls for COVID-19 (**Ballroom A**)

**Session-** Ventilation and HVAC 5 (**Room 315**)

**Workshop-** Novel Methods for Indoor Chem Exposure Measurements (**Room 312**)

3:00 pm

3:15 pm

## Coffee Break

(Foyer - 3rd Floor)

## Closing Ceremony

Ballroom B - 4th Floor  
(3:15pm-4:00pm)

**Dr. Richard L. Corsi**  
**Dr. Kerry Kinney**

4:00 pm