



ISI and ZPH Present:

*Equitable and Sustainable Infrastructure*

# Delivering Merit and Climate Resilience

This conference takes a 360-view of what it means to design, build, and implement infrastructure systems that deliver merit, by deconstructing the term, as well as pointing to who defines and measures “merit”.

Merit can be viewed through a series of lenses, including economic, social, environmental and climatic implications. Experts will share new perspectives on the factors that influence the way infrastructure is implemented. Since public policy and funding opportunities often shape the direction of the industry, infrastructure professionals must balance responding to both policy and stakeholder needs, all while securing adequate funding for projects to be successful.

Historically, infrastructure decisions have played a role in creating and amplifying the vulnerability of underserved populations. With climate change, those populations tend to be even more vulnerable to extreme weather. The mindset must now be shifted to correct historical injustices and use infrastructure to provide equitable services to all communities.

Participants in this conference will walk away with a better understanding of the broader landscape of the infrastructure industry today and will see new ideas for how infrastructure can better serve communities with merit.

## Who should attend?

- ENV SPs
- City officials
- Thought leaders
- Infrastructure industry professionals (planners, architects, engineers, developers, owners, constructors, operators)
- Public sector agency employees
- Students
- Sustainability and resilience experts and novices alike – anyone with a desire to learn something new!

## Pre-conference Courses and Networking

### Tuesday, November 16, 2020

10:00 am – 11:00 am

#### **Envision Implementation: Organization-wide Strategies**

*\*This course qualifies toward 1 prescribed hour of education toward ENV SP credential maintenance.*

[Zoom registration link](#)

An increasing number of public and private sector stakeholders are using Envision to plan, design, and deliver more sustainable infrastructure by setting standards, establishing policies, and pursuing verification. The purpose of this course is to demonstrate how Envision can be used to develop a holistic approach that extends beyond individual project success. Leaders from across all industry sectors offer detailed examples that illustrate ways Envision has bolstered their sustainable business practices. These examples are intended to inspire new approaches that can be strategically integrated into everyday operations.

11:30 am – 12:30 pm

#### **Best Practices for Using Envision on Projects and Across Portfolios**

*\*This course qualifies toward 1 prescribed hour of education toward ENV SP credential maintenance.*

[Zoom registration link](#)

The purpose of this course is to demonstrate how Envision may be used as a tool to implement best practices and enhance designs beyond the success of individual projects. The examples illustrated throughout this course are models for Envision use that standardize implementation approaches across the project life cycle.

3:00 – 5:00 pm

#### **Foundational Decade for Advancing Sustainable Infrastructure**

*\*This course qualifies toward 2 prescribed hours of education toward ENV SP credential maintenance.*

[Zoom registration link](#)

ISI's 10-year history is built on a foundation of grassroots advocacy by people who are passionate about sustainable infrastructure. This course showcases the key influencers along with the milestone projects that served as the platform for ISI's growth and increasing Envision use across the U.S., Canada, and globally. This course prepares ENV SPs for advocacy by strengthening their foundational knowledge of ISI and the Envision framework. Examples are presented to demonstrate success by ISI members, ENV SPs, and project teams throughout the past 10 years; these examples inform future efforts and inspire expanded use of Envision.

5:30 pm – 6:30 pm

#### **Remo Open House and Networking**

[Remo registration link – Click "Save me a Spot!"](#)

*Join us on Tuesday evening before the conference begins to meet your fellow attendees and familiarize yourself with the Remo platform. Great opportunity for first-time Remo users and anyone wanting to make the most of conference networking sessions.*

## 2-day Virtual Conference Agenda

### Wednesday, November 17, 2020

10:00 am – 11:00 am

#### Day 1 Keynote: Building Sustainable Infrastructure - Bridging the Gap between Vision & Implementation

Moderator: John Williams, Chairman and CEO, Impact Infrastructure, Inc. and Board Chair at ISI

[Zoom registration link](#)

10:00

*Welcome and opening remarks*

- Anthony Kane, President and CEO, ISI
- Prof. Spiro Pollalis, Professor of Design Technology and Management, Emeritus, Zofnass Program for Sustainable Infrastructure

10:15

*Building Sustainable Infrastructure - Bridging the Gap between Vision & Implementation*

*Minelly De Coo, Director, Capital Project Management, Office of the First Deputy Mayor at NYC Office of the Mayor*

11:30 am – 1:30 pm

#### Session 1: Thinking from the Outside-In

Moderator: Marty Janowitz, Vice President Sustainable Development (Retired) Stantec

[Zoom registration link Session 1](#)

11:30

*Panel 1: Evolving Public Policy and Funding*

- Linh Do, Senior Vice President, AKRF
- Lisa MacTavish, M.Eng., P.Eng., Climate Resilience Engineer, WSP

12:30

*Panel 2: Local Examples of Implementing Policies and Securing Funding*

- Kathy Collins, Director of Sustainability, NV5
- Vanessa Velasco, Senior Environmental Scientist, California Department of Water Resources
- Michael Sussman, Chairman and CEO, Strategic Rail Finance and OnTrackNorthAmerica

The technical program opens with a discussion of the factors that shape infrastructure development. Speakers will discuss the needs of the “outside world” and how those needs can be met by infrastructure professionals, or the “inside world.” Speakers addressing public policy issues will touch on climate change, life cycle cost effectiveness in terms of post-pandemic recovery, and equity. Experts will shine a light on public sector funding in the form of stimulus and grants, as well as private sector funding. Examples of localized success stories will be shared.

1:45 – 2:45 pm

#### Awards Ceremony and Moment of Recognition

[Zoom registration link awards ceremony](#)

*Join our special 1-hr webinar as we celebrate the recent achievements of the ISI and ZPH networks. Recent project award recipients will be invited to share highlights from their Envision projects. Select project highlights include:*

- **Garage souterrain Côte-Vertu**  
*Alexis Lautard, Conseiller corporatif, Développement durable, Société de transport de Montréal*
- **City of Red Deer Water Treatment Plant Residuals Management Facility**,  
*Kingsford Amoah, Environmental Planning Engineer, City of Red Deer*

- **Miami-Dade County Dolphin Station Park-and-Ride/Transit Terminal Facility,**  
*Patricia Gómez, Ph.D., Senior Resilience/Energy Program Manager, Miami-Dade County Office of Resilience*
- **Westminster BDCWWTF Solids Dewatering and Campus Wide Improvements**  
*Julie Koehler, Utilities Engineering Manager, City of Westminster*
- **Oxford Retention Basin Multiuse Enhancement Project**  
*Ryan Virgin, Associate Civil Engineer, Los Angeles County Public Works*
- **VTA's Berryessa Transit Center**  
*Ann Calnan, VTA Environmental Programs Manager*  
*Rachael Keish, CEO, Keish Environmental*

**3:00 pm – 5:00 pm**

**Session 2: Engaging Stakeholders**

[Zoom registration link Session 2](#)

3:00

*Panel 1: Connecting Communities through Robust Stakeholder Engagement*

- *Diana Mendes, Corporate President, Infrastructure and Mobility Equity, HNTB*
- *Melissa Figueroa, Chief of Strategic Communications, California High Speed Rail Authority*

4:00

- *Oscar Cortes, Vice President International Relations, FEMCIC*

*Panel 2: Results and Outcomes: Effective Stakeholder Engagement In Practice*

- *Kari Hewitt, Sustainability Professional and Educator, Greater Boston*
- *Rebecca Karp, Managing Principal and CEO, Karp Strategies*
- *April Mendez, CEO, Greenprint Partners*

Assessing stakeholder needs allows us to be better positioned to identify appropriate solutions, and this session puts a laser focus on best practices in stakeholder engagement. Always with an eye toward creating a two-way street of communication between stakeholders and infrastructure professionals, speakers in this session share perspectives from the asset owner, infrastructure users, and the “host” community. Special attention will be paid to engaging multiple public community groups in cases where stakeholders have been previously disconnected, and in cases where communities are working towards climate resilience. Additionally, lessons learned from the pandemic will be discussed in terms of how COVID has changed how we engage our stakeholders, and which new best practices are here to stay.

**5:30 – 6:30 pm**

**Networking Session**

[Remo registration link Networking Session – Click “Save me a Spot!”](#)

*Register to attend this interactive networking session using the Remo platform. Participants will be able to engage with conference attendees through round table discussions.*

**Thursday, November 18, 2020**

**10:00 am – 11:00 am**

**Day 2 Keynote**

[Zoom registration link](#)

10:00 Welcome and opening remarks  
10:15 Keynote speaker (to be announced) and moderated Q&A

**11:30 am – 1:30 pm**

### **Session 3: Serving the Underserved**

Moderator: John Williams, Chairman and CEO, Impact Infrastructure, Inc. and Board Chair at ISI

[Zoom registration link Session 3](#)

11:30 *Panel 1: Who are the underserved and what is their infrastructure reality?*

- Sonal Jessel, Director of Policy, WE ACT for Environmental Justice
- Jade Begay, Climate Justice Campaign Director, NDN Collective

12:00 *Panel 2: How can infrastructure serve as connections to opportunities?*

- Cris B. Liban, Chief Sustainability Officer, LA Metro
- Jean Paul (JP) Liban, Environmental Engineering Student, Purdue University

12:30 *Panel 3: How is the infrastructure community engaging with Envision to lift the underserved that are impacted by climate change?*

- Elizabeth Knauer, Principal, Sive, Paget & Riesel P.C.
- Jason Waldron, P.E., Transportation Director, City of Kansas City, MO

1:00 *Moderated Q&A with all panelists*

For generations, infrastructure projects have resulted in a mixture of impacts and benefits. Many of the impacts flowed to communities that struggle to access opportunities to improve their lives. In this session, we will shine light on the realities of infrastructure development including tradeoffs we have all faced as we strive to deliver solutions that serve the needs of the broadest communities. Panel 1 will focus on the practical realities of infrastructure development including ramifications of our decisions and how steps are being taken to be sure that the long-term interests of entire communities are adequately addressed. Panel 2 will examine how three generations of engineers view their evolving roles in infrastructure development and the challenges of gentrification versus connectivity that enables less advantaged people to access a range of opportunities that enhance their lives. Panel 3 will focus on specific examples of 21st Century Infrastructure projects engaged with the entire cross section of communities and delivering solutions that serve present and future generations in ways that lift all lives.

**1:45 – 2:45 pm**

### **Posters and Networking Session**

[Remo registration link Poster and Networking Session](#)

*Register to attend this interactive poster and networking session using the Remo platform. The poster session is an opportunity to share your work on sustainable infrastructure and engage with conference attendees. For more information and to submit a poster for consideration, [please click here and complete the Google form.](#)*

**3:00 pm – 5:30 pm**

### **Session 4: Thinking from the Inside-Out**

Moderator: Eric Bill, Chief Economist, Autocase

[Zoom registration link Session 4](#)

3:00 *Panel 1: Designing for Merit*

- Eric Bill, Chief Economist, Autocase
- Gregory Huang, Vice President, CCR Airports

4:00

*Panel 2: Data, Technology, and Innovation that Deliver Merit*

- *Thomas Bucci, Vice President - Global Building and Facilities Leader, Wood Group*

*Closing remarks*

5:00

- *Anthony Kane, President and CEO, ISI*
- *Prof. Spiro Pollalis, Professor of Design Technology and Management, Emeritus, Zofnass Program for Sustainable Infrastructure*

Throughout the virtual conference, external influence factors have been analyzed with respect to how they may inform infrastructure decisions. As a session intended to culminate the ideas and best-practices discussed throughout the virtual conference, the final session is forward thinking and showcases how infrastructure professionals can plan for and design systems that meet current demands. Speakers will define “merit” in the context of infrastructure design and spotlight technology and innovation that deliver merit.