



# ICNet Global Workshop on Educating Practitioners About Climate Change

**Wed July 29<sup>th</sup> and Thurs July 30<sup>th</sup>**

## **Agenda and link to Zoom**

*Sponsored by ICNet Global*

### **AGENDA Day 1**

**Wednesday July 29, 2020, 10:30 to noon Eastern USA Time**

10-minute Introduction – Jennifer Jacobs, University of New Hampshire, USA

- What is ICNet; goals of workshop

5-minute presentations:

- Costas Samaras, Carnegie Mellon University, ASCE  
*Activities and resources of the ASCE Committee on Adaptation to a Changing Climate, current work for practitioners*
- Charlie Hebson, Maine DOT  
*Teaching Climate Change to CE Practitioners in a Large Public Engineering Organization (aka DOT)*
- Christian Axelson, Danish Road Institute  
*Implementation of Blue Spot identification in planning and design practice*

10-minute Questions/Answers

- Focused on Content

30-minute Facilitated Discussion

- Where are we at regarding having an educated workforce capable of considering climate change resilience in practice?
- What is the way forward?

5-minute Summary – Jennifer Jacobs and Jo Sias, University of New Hampshire, Pls

5-minute Future ICNet Plans – Jennifer Jacobs and Jo Sias, University of New Hampshire, Pls

Adjourn



## AGENDA Day 2

**Thursday July 30, 2020, 10:30 to noon Eastern USA Time**

10-minute Introduction – Jennifer Jacobs, University of New Hampshire, USA

- What is ICNet; goals of workshop

5-minute presentations:

- Marianne Armstrong, National Research Council-Canada  
*Delivery of the Climate Resilient Buildings and Core Public Infrastructure program for the past 4 years*
- Tom VanDam, NCE  
*Strategies and content identified by FHWA Sustainable Pavements Task Group regarding climate resilience in state DOT practice*
- Elizabeth Habic, Federal Highway Administration  
*Pilot programs, peer exchanges, and technical documents on incorporation of future conditions and resilience into transportation infrastructure*

10-minute Questions/Answers

- Focused on Content

30-minute Facilitated Discussion

- Where are we at regarding having an educated workforce capable of considering climate change resilience in practice?
- What is the way forward?

5-minute Summary – Jennifer Jacobs and Jo Sias, University of New Hampshire, Pls

5-minute Future ICNet Plans – Jennifer Jacobs and Jo Sias, University of New Hampshire, Pls

Adjourn



## Speakers' Bios

**Costas Samaras:** Costa is an associate professor at Carnegie Mellon University in the Department of Civil and Environmental Engineering. Dr. Samaras's research spans energy, climate change, automation, and defense analysis, and he directs the Center for Engineering and Resilience for Climate Adaptation. He currently serves as the Chair of the ASCE Committee on Adaptation to a Changing Climate.

**Elizabeth McLean:** Elizabeth Mclean is an Environmental Scientist & and ORISE Postdoctoral Fellow working at the EPA Office of Research and Development, where she investigates what information delivery systems are most successful in increasing public engagement awareness, and actions on important environmental issues. Elizabeth has worked diligently in addressing coastal resilience and adaptations to climate change and extreme weather events in the U.S. and abroad. She specializes in expert elicitation processes and ecological assessments.

**Christian Axelson:** Christian Axelsen works in the Danish Road Directorate as project leader in the R&D-department of Pavement and is involved in various projects on climate change, some international. These projects are focussed on both climate change adaptation and mitigation.

**Marianne Armstrong:** Marianne Armstrong is a Research Council Officer with Canada's National Research Council (NRC). Since 2004, as a member of the Building Envelope and Materials Group, she has been involved in projects addressing climate resilience including: wall-window interface design for wind-driven rain, the assessment of cladding technologies, and drainage and drying of wall assemblies. For over a decade, Ms. Armstrong conducted residential energy efficiency research at the Canadian Centre for Housing Technology, where she helped to assess the performance of over 60 different housing technologies. She is currently managing a 5-year project on Climate Resilient Buildings & Core Public Infrastructure, to integrate climate resiliency into Canadian building and infrastructure codes, standards and guidelines.

**Tom VanDam:** Thomas J. Van Dam, Ph.D., P.E., is a Principal at NCE with over 35 years of civil engineering experience, specializing in pavement design and evaluation, forensic investigations, materials assessment, sustainability, and resiliency. Dr. Van Dam is a member of ACI's Technical Activities Committee (TAC) and Committees 130, 201, 232, 240, and 325. In total, Dr. Van Dam has published over 100 technical articles and is a frequent presenter on pavements, pavement materials, and sustainability.

**Elizabeth Habic:** Elizabeth Habic is an Environmental Specialist on the Sustainable Transportation and Resilience Team with the Federal Highway Administration. Elizabeth was previously the Climate Risk and Resilience Program Manager for Maryland DOT and the State Highway Administration. Elizabeth has a broad background in environmental work and applies this knowledge to support FHWA initiatives to incorporate resilience strategies to transportation.