

Climate Resilient Smart Cities: Human-Technology Integration

Jointly Hosted by:

Board on Environmental Change and Society (BECS) *and* Board on Human-Systems Integration (BOHSI)

December 3, 2019

The National Academies

500 5th Street N.W.

Washington, DC

Keck 100

SEMINAR OBJECTIVES

The objective of the seminar is to explore human-technology integration alongside smart city technologies and methodologies that are being designed and deployed to enhance urban climate resilience and benefit all members of communities.

AGENDA

8:30-9:00am: Registration

9:00-9:30am: Welcome & Introductions

- Dr. Toby Warden, BOHSI/BECS Board Director
- Dr. Pascale Carayon, BOHSI Chair
- Dr. Kristie L. Ebi, BECS Chair

9:30-10:15am: Keynote: Dr. Carlo Ratti, Professor of Urban Technologies and Planning

- Director, SENSEable City Lab, Massachusetts Institute of Technology

10:15-10:30am: Break

10:30-11:15am: Sociotechnical Solutions for Climate Response Strategies

[Facilitated by: Dr. Najm Meshkati, BOHSI Member]

- Speakers

- Dr. Vivek Shandas, Professor of Climate Adaptation, Portland State University and Principal, CAPA Strategies LLC (**Via ZOOM**)
- Charlie Catlett, Argonne National Laboratory (**Via ZOOM**)
- Dr. J. Derek Loftis, StormSense Lead and Assistant Research Scientist, Virginia Institute of Marine Science, College of William & Mary

11:15am-12:00pm: **Panel Discussion**

12:00-1:00pm: Lunch

1:00-1:45pm: From Smart Buildings to Smart Cities: Current Status and Future Trends

[Facilitated by: Dr. Jalonne White-Newsome, BECS Member]

- Speakers

- Dr. Christine Kendrick, Smart City PDX Coordinator, City of Portland, Oregon
- Aarti Tandon, JD, Co-founder and CEO, Smart City Expo
- Sandra Baer, MBA, President, Personal Cities

1:45-2:30pm: **Panel Discussion**

2:30-3:15pm: Theme Discussion and Wrap-Up

- Dr. Pascale Carayon, BOHSI Chair
- Dr. Kristie L. Ebi, BECS Chair