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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 OBJECTIVE

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

- 8:30-9:00 am: Registration
- 9:00-9:30 am: Welcome & Introductions
- Dr. Toby Warden, BOHSI/BECS Board Director
 - Dr. Pascale Carayon, BOHSI Chair
 - Dr. Kristie L. Ebi, BECS Chair
- 9:30-10:15 am: Keynote: Dr. Carlo Ratti, Professor of Urban Technologies and Planning
- Director, SENSEable City Lab, Massachusetts Institute of Technology
- 10:15-10:30 am: Break
- 10:30-11:15 am: 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-11:50 pm: **Panel Discussion**

12:00-1:00 pm: Lunch in Cafeteria

1:00-1:45 pm: 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 - Atlanta
 - Sandra Baer, MBA, President, Personal Cities

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

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

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

*The Seminar is sponsored by the BECS and BOHSI Core Sponsors including:
National Science Foundation, U.S. Army Research Laboratory, Human Factors and Ergonomics Society,
National Aeronautics and Space Administration*