

## Discover the “Pathways to the Future” NSF Workshop Connecting Communities through Sustainable Urban Mobility

Sunday, October 15, 2023

**Disclaimer:** The information in this workshop program file is up-to-date as of September 8th. Details may undergo minor adjustments or updates.

### General Information

- **Time:** 8:30 am – 2:30 pm (PDT)
- **Location:** ASU Walter Cronkite School of Journalism and Mass Communication (555 N Central Ave, Phoenix, AZ 85004)
- **Room:** Morgan Murphy Media, Elizabeth Murphy Burns and Richard Burns Theater, Room 202

### Registration Information

- **Registration:** Free
- **RSVP Date:** October 1, 2023
- **Contact:** [pathwayss2future@gmail.com](mailto:pathwayss2future@gmail.com)

### Morning Schedule

**8:30 AM – 9:00 AM** Breakfast

**9:00 AM – 9:30 AM** • Keynote Speech by Dr. Hani Mahmassani (Northwestern University)

– Introduced by Dr. Xuesong (Simon) Zhou (ASU).

**9:30 AM – 10:00 AM** • Plenary Presentation by Dr. David Boyce

– Topic: “Urban Travel Forecasting: A 60-Year Retrospective”.

– Special Greeting: Video message from Dr. Hillel Bar-Gera (Ben-Gurion University of the Negev).

– Reading of reflections and appreciations: Dr. Jeff Ban (Univ. of Washington).

**10:00 AM – 10:10 AM** Break

**10:10 AM – 11:45 AM** Lightning Talks + Panel Discussions

- Moderator: Dr. Janille Smith-Colin (SMU)
- Topics: Bridging Research and Practice, Equity in Planning, Innovations in Transportation Modeling
- Panel Members: Dr. Pascal Van Hentenryck (GATech), Dr. Vince Bernardin (Caliper), Susan E. Anderson (Arizona DOT), Dr. Marco Nie (Northwestern), Dr. Yudai Honma (University of Tokyo)

## Luncheon [11:45 AM - 12:30 PM]

Short welcome talk by Dr. Vladimir Livshits (MAG).

**Note:** A complimentary lunch will be provided.

## Afternoon Schedule

**12:30 PM – 1:30 PM** Attendee Presentations: “AI and Emerging Technologies”

- Moderator: Mr. Shuyao Hong (MAG)
- Speaker: Dr. Yudai Honma/ Dr. Takashi Oguchi (25 min)
- Speaker: Dr. Joshua Auld (Argonne National Laboratory) (20 min)
- Activities: Online Survey Results Presentation and Graduate Students + Practitioners Showcase on Open Science Applications (15 min)

**1:30 PM – 1:35 PM** Break

**1:35 PM - 2:35 PM** Panel Discussion: “Open Science and Connecting Communities, Cross-disciplinary Collaboration”

- Moderators: Dr. Baloka Belezamo (Arizona DOT) and Dr. Peiheng Li (Norfolk Southern)
- Topics: Mentorship Opportunities for Young Researchers
- Panel Members: Dr. Srinivas Peeta (GATech), Mr. Hiroyuki Hasada (University of Tokyo), Featured Graduate Students + Practitioners

**2:35 PM - 2:40 PM** Closing Remark by Dr. Xuesong (Simon) Zhou (ASU)

## Workshop Co-Chairs

- **Dr. Xuesong (Simon) Zhou**
  - Associate Professor, Arizona State University.
  - Integrating Research and Practice Liaison.
- **Dr. Vladimir Livshits**
  - Director of Transportation Technologies and Services, Maricopa Association of Governments.
- **Dr. Yudai Honma**
  - Associate Professor, Institute of Industrial Science, University of Tokyo.
- **Dr. Janille Smith-Colin**
  - Assistant Professor, Southern Methodist University.
  - Diversity Plan Coordinator.

### Workshop Organizing Committee

- **Dr. Ram Pendyala**
  - Professor and Director, School of Sustainable Engineering and the Built Environment, Arizona State University.
- **Dr. Yanfeng Ouyang**
  - Professor, Chair of TRB AEP40 Standing Committee on Transportation Network Modeling, University of Illinois at Urbana-Champaign.
- **Dr. Yu (Marco) Nie**
  - Professor, Department of Civil and Environmental Engineering, Northwestern University.
- **Dr. Xuegang (Jeff) Ban**
  - Professor, Department of Civil and Environmental Engineering, University of Washington.
- **Dr. Baloka Belezamo**
  - Modeling & Forecasting Manager, Multimodal Planning Division, Arizona Department of Transportation.
- **Mr. Haidong Zhu**
  - Senior Transportation Project Manager, Maricopa Association of Governments.
- **Mr. Shuyao Hong**
  - Emerging Technology Program Manager, Maricopa Association of Governments.
- **Dr. Arup Dutta**
  - Travel Demand Modeling Program Manager, Maricopa Association of Governments.
- **Dr. Changhyun Kwon**
  - Associate Professor, Industrial and Systems Engineering, Korea Advanced Institute of Science and Technology.

### Workshop Activity Coordinators

- **Mr. Fan Yu**
- **Mr. Mohammad Abbasi**
- **Mr. Mustafa Gadah**
  - Ph.D. students from Arizona State University.