

THURSDAY
MAY 12
9:00 a.m. – 5:00 p.m.**STEPS+ 2022 SPRING SYMPOSIUM**
DAY 1**8:30 a.m.****Registration and Light Breakfast****9:00 a.m.****Welcome and Introductory Remarks**

Lew Fulton, Director, STEPS+ Program

9:05 a.m.**Session 1: Opening Keynote**

David Hochschild: Chair, California Energy Commission

10:00 a.m.**Break****10:10 a.m.****Session 2: Achieving Low Carbon Transitions in California and the US**

Moderator: Lew Fulton

- Lew Fulton/Hong Yang: Transition costs and investment analysis
- Julie Witcover: The LCFS and Credit Price Pass-Through: Preliminary Results

Discussant: Carrie Song, Neste

11:00 a.m.**Session 3: Important considerations when investing \$5B in EV Infrastructure**

Moderator: Mike Nicholas

- Tisura Gamage/Alan Jenn: The cost of installing corridor DC Fast Chargers
- Vishnavi Karanam/Gil Tal: Reliability and Dependability of public Charging Infrastructure
- Kelly Hoogland/Ken Kurani: Visibility of Infrastructure on EV consideration

11:50 p.m.**Lunch and Poster Session**

STEPS students and researchers present in poster format

1:20 p.m.**Session 4: Recent ZEV Development in China**

Moderator: Yunshi Wang

- Hui He: China's EV Deployment and its related policies
- Discussants (TBD)

2:10 p.m.

Session 5. Beyond Private Cars: A Path for Multimodal Travel in the US?

Moderator: Giovanni Circella

- Summer Iogansen/Giovanni Circella: Persistence of Hybrid Work Schedules and Impacts on Travel
- Alimurtaza Kothawala/Debapriya Chakraborty: The Role of Road Pricing in Promoting Clean, Equitable Transportation
- Dillon Fitch: The Role of Micromobility in the Post-pandemic Transportation System

3:00 p.m.

Break

3:10 p.m.

Session 6. Transitioning to ZEVs, What it Means for Fleets

Moderator: Marshall Miller

- Guihua Wang: Comparison of truck TCO studies
- Anmol Pahwa: Resilient Last-Mile Delivery Operations Under Disruptions

4:00 p.m.

Panel: Policy making for carbon phase down in California, US, and Europe

- Dan Sperling (ITS-Davis), Anthony Eggert (Climate Works), Pierpaolo Cazzola (ITS-ERC)

4:50 p.m.

Closing Remarks, Adjourn

5:30 p.m.

Reception and Dinner, Seasons Restaurant (102 F Street, Davis CA 95616)

FRIDAY
MAY 13
9:00 a.m. – 12:00 p.m.

STEPS+ 2022 SPRING SYMPOSIUM DAY 2

Conference Center
760 Orchard Rd,
Davis CA

ELECTRIC VEHICLE RESEARCH CENTER DEEP DIVE

8:30 a.m.

Light Breakfast

9:00 a.m.

EV Research Center Updates

Dahlia Garas

9:20 a.m.

The latest findings from research in-progress. Topics will include:

- Do we need an engine? Analyzing the correlation between charging behavior and engine status in BMW i3 REx (Hanif Tayarani)
- To purchase or lease: Investigating finance decisions of plug-in electric vehicle owners in California (Kelly Hoogland)
- Energy, Emissions, and Cost Impacts of Changing Price Strategies for Electric Vehicles (Xinwei Li)
- Understanding Electrification Decisions in California Fleets (Claire Sugihara)
- Total Cost of Ownership (Debapriya Chakraborty)
- Distribution Grid Impacts (Alan Jenn)

10:40 a.m.

Break

11:00 a.m.

Panel Discussion

- Do chargers sell vehicles? The impact of infrastructure on EV market

12:00 p.m.

Adjourn (boxed lunches available)

Conference Center
760 Orchard Rd,
Davis CA

3 REVOLUTIONS RESEARCH CENTER DEEP DIVE

8:30 a.m.

Light Breakfast

9:00 a.m.

3 Revolutions Future Mobility (3RFM) Program Deep Dive. Topics will include:

- Hybrid schedules, telework and impacts on commuting patterns, congestion and VMT
- Road pricing challenges and opportunities as a funding policy and congestion reduction strategy
- The integration of micromobility and public transportation
- The mobility of individuals with disabilities

12:00 p.m.

- The propensity towards the adoption of autonomous vehicles across various population groups
- Advances in autonomous vehicles research at ITS Davis

Adjourn (boxed lunches available)

ITS Office
1605 Tilia Street,
Davis CA

ENERGY FUTURES DEEP DIVE

8:30 a.m.

Light Breakfast

9:00 a.m.

Energy Futures Deep Dive

- Electric Power modeling (Alan Jenn, Xinwei Li)
- LCFS/Fuel research updates (Colin Murphy, Julie Witcover)
- International modeling updates (Aditya Ramji, Sarah Gujdura)

10:30 a.m.

Break

10:45 a.m.

Energy Futures/ Sustainable Freight Deep Dive

- Latest updates from hydrogen and STIEVE modeling (Lew Fulton, Tri Dev Acharya)
- US level transition modeling (Marshall Miller, Qian Wang)

12:00 p.m.

Adjourn (boxed lunches available)

ITS Office
1605 Tilia Street,
Davis CA

SUSTAINABLE FREIGHT DEEP DIVE

8:30 a.m.

Light Breakfast

9:00 a.m.

Sustainable Freight Deep Dive

- Fleet Infrastructure Scalability: electricity and hydrogen (Marshall Miller)
- ZEV truck and infrastructure and data tracking project (Marshall Miller)
- Current trends in Last Mile Distribution and What it Means for People and the Environment (Miguel Jaller)

10:30 a.m.

Break

10:45 a.m.

Energy Futures/ Sustainable Freight Deep Dive

- Latest updates from hydrogen and STIEVE modeling (Lew Fulton, Tri Dev Acharya)
- US level transition modeling (Marshall Miller, Qian Wang)

12:00 p.m.

Adjourn (boxed lunches available)

THURSDAY
MAY 12 & 13

STEPS+ 2022 SPRING SYMPOSIUM

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**THURSDAY
MAY 12 & 13**

STEPS+ 2022 SPRING SYMPOSIUM

**MAY 12
DAY 1**

LOCATIONS

ARC Conference Center (760 Orchard Rd, Davis CA)

- **ARC Parking:** The parking lot nearest the ARC Conference Center is Parking Lot 25. The visitor parking rate is \$12 for a daily permit. To pay for parking you must download the [ParkMobile app](#).

Seasons Restaurant (102 F Street, Davis CA)

- Evening reception

**MAY 13
DAY 2**

DEEP-DIVE LOCATIONS

Conference Center (550 Alumni Ln, Davis)

- 3 Revolutions and PH&EV

ITS Office (1605 Tilia Street Davis)

- Energy Futures and Sustainable Freight

UC Davis COVID Protocol

Proof of vaccination or negative COVID test within the past 48 hours will be required on the event day.