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 a.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)
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| 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
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<td>12:00 p.m.</td>
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**ENERGY FUTURES DEEP DIVE**

**ITS Office**
1605 Tilia Street, Davis CA

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<td>- Electric Power modeling (Alan Jenn, Xinwei Li)</td>
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<td>- LCFS/Fuel research updates (Colin Murphy, Julie Witcover)</td>
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<td>- International modeling updates (Aditya Ramji, Sarah Gujdura)</td>
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**SUSTAINABLE FREIGHT DEEP DIVE**

**ITS Office**
1605 Tilia Street, Davis CA

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<td>- Fleet Infrastructure Scalability: electricity and hydrogen (Marshall Miller)</td>
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<td>- ZEV truck and infrastructure and data tracking project (Marshall Miller)</td>
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<td>- Current trends in Last Mile Distribution and What it Means for People and the Environment (Miguel Jaller)</td>
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Thank you to Our 2022 STEPS+ Sponsors!
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

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.