

## **New Research Questions on Electricity, Transportation, and Carbon Markets: What Stands in the Way Becomes the Way**

*Comparing California and German Experience: Pathways to Higher Ambition and Efficient Policy*

Institute of Transportation Studies, University of California, Davis, Main Conference Room

December 3, 2018

This interdisciplinary workshop combines perspectives from policy science, law, and economics to examine relationships between electricity and transportation along the pathway to decarbonization.

We pose two high-level questions:

- What stands in the way? What are the explicit barriers to decarbonizing the sector?
- What becomes the way? What is the policy pathway to overcome these barriers?

Presentations (10-12 minutes) and planned responses (6-8 minutes) followed by dialogue.

### **9:00 Coffee and light breakfast**

### **9:30 Welcome**

### **9:45-11:45 *Next steps: Integrating renewables into the electricity system***

- a. Lessons from recent achievements
- b. Can policy lead politics: feedback effects at the voter or community level?
- c. Impacts and implication of electric vehicles for the power grids

Moderator: Eric Biber

Presenters: Jim Bushnell, Michael Pahle, Nina Kelsey

Respondents: Karen Palmer, Grady Mathai-Jackson\*

### **11:45 – 12:45 Lunch**

### **12:45-2:30 *Next steps: Decarbonizing transportation (12:45-2:30)***

- a. Comparative experiences in California and Germany
- b. Low Carbon Fuel Standard: How well can it drive transportation outcomes?
- c. Beyond light duty vehicles: freight and public transit

Moderator: Jonas Meckling

Presenters: Peter Kasten, Dan Sperling, Erich Meuhlegger\*

Respondents: Angela Konert, John Boesel, Sean Hecht

### **3:00-4:45 *Next stage: Pathways towards efficient and effective Integrated carbon policy***

- a. Does carbon pricing lead the way or follow? How to build constituencies for pricing?
- b. Coordinating across policies and sectors in CA and EU: How to align multiple programs?
- c. How do we measure incremental and long-term success?

Moderator: Dallas Burtraw

Presenters: Michael Pahle, Severin Borenstein

Respondents: Lars Zetterberg

\* invited

The **Institute of Transportation Studies** is located at 1605 Tilia Street, Davis, Calif. 95616.

For directions and a campus map, see this link <https://its.ucdavis.edu/about/visit-us/>