

ITS Berkeley Director's Letter

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Dear Colleagues and Friends,

It has been another extremely busy month. One of the striking things, looking back at the last few weeks, is the amount of activities ITS collectively led in Sacramento. Many of us were involved in hearings and testifying in front of the Legislature. As you know, ITS is partially funded by the state of California, in an amount largely unchanged since 1947. In that same time, the Institute has grown tremendously and additional units were born on other UC campuses. ITS's Laura Melendy, Tom West and myself, with UC Berkeley's Director of Government Affairs Advocacy and Institutional Relations Michelle Moskowitz, are working with the Office of the President staff and the other California ITS' on a budget change proposal, sometimes referred to as BCP, to increase support from the State. This work is being supported by UC's Office of State Government Relations in Sacramento, which, if successful, will contribute to ITS's stability in the future. Last week, **ITS Berkeley testified** at an informational hearing for the California State Assembly Transportation Committee with other ITS Directors, transportation officials and industry partners to talk about innovation, research and partnerships that support the need for a new budget. Last month, Transportation Sustainability Research Center (TSRC) Co-Director **Susan Shaheen testified** during a joint meeting of the Senate Committee on Energy, Utilities and Communications and Senate Committee on Transportation and Housing on Between Public and Private Mobility: Implications for Travel Behavior. Shaheen shared key observations, including history, logistics, technology, safety, evolution, impacts and expansion; and talked about how shared services could change the nature of mobility, equity and access, opportunities and what the future holds. Last week, Partners for Advanced Transportation Technology (PATH) Program Manager **Steven Shladover testified** before a joint informational hearing of the Senate Committee on Transportation and Housing and the Senate Committee on Judiciary regarding Telematics 101: How much your car knows about you. He covered impending NHTSA rulemaking requiring all new vehicles to broadcast specific data useful for cooperative collision warnings using DSRC, mobility enhancing applications, benefits of those applications, security and privacy protections, and need for public investment.

I want to thank all of you who have taken the time in the past to travel to Sacramento, talk to Assembly Members and Senators, been involved in hearings, and testified. This Berkeley presence in our capitol city is very important in continuing the long-lasting relationship we have with the state. We are very fortunate that the chair of the Transportation Committee, Assemblymember Jim Frazier, and committee member Assemblymember Richard Bloom have received our ideas openly and shown some understanding about our situation. Through our many connections to the Assembly and Senate, Berkeley, the work we do on behalf of the state and the value it provides to agencies is well known. Our staff and faculty presence in Sacramento continues to perpetuate our good image with the state. In the future, if you are asked to testify, I would strongly encourage you to do so. If you are interested in becoming more familiar with the Legislature and are would like to meet our Assembly Members, please let us also know. In the future, we will be frequenting Sacramento more, and inviting them to visit us on campus to see the different centers.

In other news, our faculty and students continue to excel. Assistant Professor of Civil and Environmental Engineering Scott Moura and Graduate Student Researcher in the Energy, Controls, and Applications Laboratory (eCAL) Hector Perez **received the O. Hugo Schuck Best Paper Award** from the American Automatic Control Council (ACC) for their paper "Sensitivity-Based Interval PDE Observer for Battery SOC Estimation." The award is given to recognize the best two papers presented at the previous ACC. Transportation Sustainability Research Scientist **Mark Delucchi earned the Cozzarelli Prize** from the National Academy of Science for a paper he co-authored "Low-cost solution to the grid reliability problem with 100% penetration of intermittent wind, water, and solar for all purposes." The Cozzarelli Prize recognizes outstanding contributions to the scientific disciplines represented by the National Academy of Sciences (NAS) and was chosen from the more than 3,000 research articles that appeared in the journal last year. We are very proud of these remarkable achievement, and look forward to seeing ITS' presence in the field of energy efficient transportation continue to rise in the future thanks to such outstanding milestones.

I am also excited to announce that we hired a new library assistant, Marissa Young. She comes to us with a background in libraries and records management and will be helping Acting Library Director Kendra Levine with digitization projects, revitalizing the space, and archiving digital scholarship. I am glad to have our Library staffed so they can plan for the future and launch the ITS Library to the forefront of transportation information.

Go Bears!

Alexandre Bayen  
Professor and Director of ITS Berkeley

## News



### ITS Heads to Sacramento

Key representatives from the four Institutes of Transportation Studies from the University of California system, key private and public transportation organizations and the University of California Office of the President came together in Sacramento this week to talk about the future of transportation. [Read more.](#)



### Moura, Perez Earn O. Hugo Schuck Best Paper Award

The American Automatic Control Council has awarded ITS Berkeley affiliate Assistant Professor of Civil and Environmental Engineering Scott Moura and eCAL Graduate Student Researcher Hector Perez the 2016 O. Hugo Schuck Best Paper Award. [Read more.](#)



### Shladover Testifies Before State Senate

Building government relations between ITS and the California Senate, PATH Program Manager Steven Shladover testified before a joint Informational Hearing of the state Senate Committee on Transportation and Housing and the Senate Committee on Judiciary March 15, 2016 in Sacramento. [Read more.](#)



### Shaheen Testifies On Establishing Level Playing Field in Transportation for Hire

Looking to the future of mobility, Transportation Sustainability Research Center Co-Director Susan Shaheen testified during a joint meeting of the Senate Committee on Energy, Utilities and Communications and Senate Committee on Transportation and Housing. [Read more.](#)



### TSRC's Delucchi earns Cozzarelli Prize

Transportation Sustainability Research Center Research Scientist Mark Delucchi recently earned the Cozzarelli Prize, bestowed by the Editorial Board of the Proceedings of the National Academy of Sciences (PNAS). [Read more.](#)



### Dan Kammen Named US Science Envoy

The US State Department announced the appointment of Professor Dan Kammen as US science envoy. The program showcases science and technology as engines of progress and economic growth, and as tools of diplomacy. [Read more.](#)

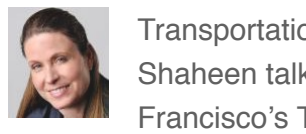


### UCCONNECT 2016 Student Conference

Miss the 2016 UCCONNECT Student Conference? See the reap of the conference, held at the University of California, Riverside on February 11-12, 2016. [Read more.](#)

## Headlines

**PATH** Partners for Advanced Transportation Technology Co-Directors Trevor Darrell and Tom West talks to **Bloomberg Business** about Automakers Go Back to School to Learn to Build Self-Driving Cars.



Transportation Sustainability Research Center Co-Director Susan Shaheen talks to **Mission Local** on Can New Shuttle Service Curb San Francisco's Transportation Trouble?



Transportation Sustainability Research Center's research discussed in **Streetsblog SE** Uber and Lyft: Friend or Foe in the Battle for Livable Streets?

## Events

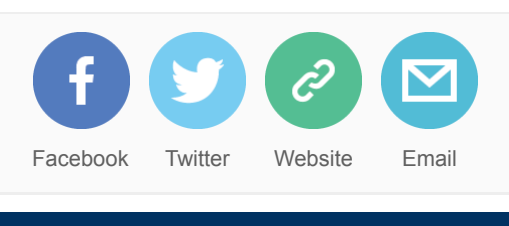
ITS Berkeley features a weekly **Friday Transportation Seminar Series** with leading researchers and practitioners in the transportation field.

- Purdue's Satish Ukkusuri will present **Interdependence of Structure and Function in the Failure of Comolex Transportation Networks** on April 1 at 4-5 pm in 290 Hearst memorial Building as part of the Transportation Seminar series. Join us for cookies and beverages at 3:30 pm.
- IBM's Tierra Bills, Natural Resource Defense Council's Amanda Eakins, Uber's Jonathon Hall and San Francisco Municipal Transportation Authority's Tim Papandreu, with UC Berkeley's Alexey Pozdnukhov moderating, will present the roundtable **"Smart Cities: The Future of Big Data and Mobile Access"** on April 8 at 3-5 pm in the Banatao Auditorium, 310 Suterda Dai Hall as part of the Transportation Seminar Series and Transportation Engineering Open House. A reception will follow.



• UC Davis's Michael Zhang will present "The Planning and Traffic Control Under the Connected Vehicle Environment" April 22 4-5 pm in 290 Hearst Memorial

Building as part of the Transportation Seminar Series. Cookies and beverages will be served at 3:30 pm.  
• UC Berkeley's Lewis Lethé will present "Easing Downtown Congestion" April 22 at 4-5 pm in 290 Hearst Memorial Building as part of the Transportation Seminar Series. Cookies and beverages will be served at 3:30 pm.  
• UC Berkeley's Mike Taplich presents "Measuring Low-Carbon Accessibility in the United States: Trucks vs. Trains" April 29 4-5 pm in 290 Hearst Memorial Building as part of the Transportation Seminar Series. Cookies and beverages will be served at 3:30 pm.



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