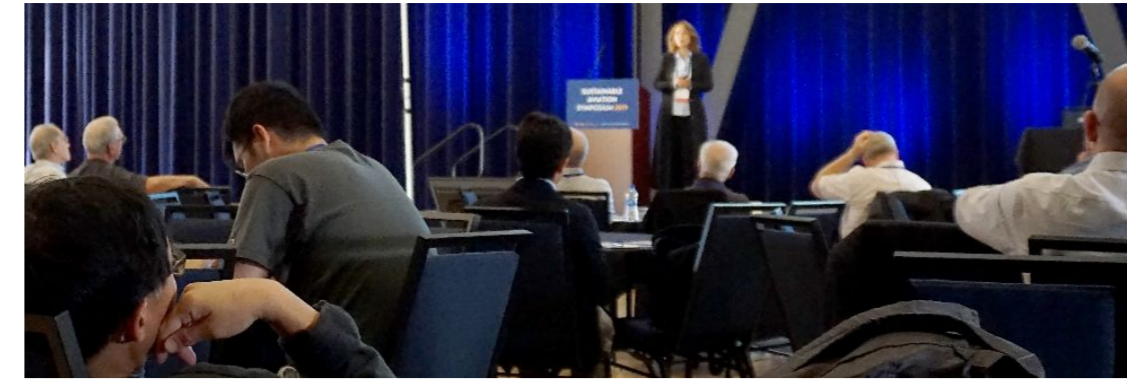


ITS Berkeley Director's Letter

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Sustainable Aviation Symposium Co-Chair and NEXTOR Deputy Director Jasenka Rakas presents her research on Air Piers for Urban Air Mobility during the symposium, held on campus Oct. 7-8, 2019.



Dear Friends and Colleagues,

Happy Staff Appreciation Week! There are several events happening around campus for staff appreciation, so check your emails to take advantage of those opportunities! I also encourage everyone to take a moment to read our new kudos section at the end of this newsletter that recognizes the above and beyond efforts of our staff that may seem small at the time, but make an impact on staff morale. Check out the online [kudos section](#) on our website for previous kudos and submit one of your own to Communications Director Amanda Cairo: acairo@berkeley.edu

On a more serious note, I want to thank everyone for their patience and flexibility during the main campus power outages to continue critical operations and meet necessary deadlines. As we face new potential power outages and some of you are smelling smoke from current wildfires to the north, I want to highlight some of our recent research efforts our researchers are working on. Civil and Environmental Engineering Professor Kenichi Soga is leading a [year-long study](#) in Bolinas, CA that will employ new traffic simulation models to develop the most efficient method of evacuation. Soga said the team will examine how the evacuation process is influenced not only inside and near Bolinas, but also the Bay Area as a whole. Bolinas, a coastal town in West Marin County has few and narrow roads out that pose a particular danger.

In addition, Transportation Sustainability Research Center Co-Director and doctoral student Stephen Wong are exploring [how car companies like Airbnb, Lyft or Uber help in disasters](#). Their first-of-its-kind [policy brief](#) suggests emergency management agencies and local relief organizations partner with companies in the sharing economy — including Airbnb, Lyft and Uber — and private citizens, to ensure vulnerable populations have the resources to evacuate and have comfortable, affordable shelter. They have been interviewing evacuees from the Thomas Fire, Creek Fire, Skidball Fire, and Camp Fire to gain a better idea of how the sharing economy can be an integral part of evacuation, especially when local government agencies do not have enough resources to transport and shelter all of the evacuees, especially vulnerable populations like the elderly and disabled. As the state and nation face and respond to more critical emergency situations, I am heartened that we will be an integral part in improving the evacuation process.


As we are providing on the ground solutions to problems, ITS recently hosted the [Sustainable Aviation Symposium](#), which several of our faculty presented at. Both College of Engineering Dean Tsu-Jae King Liu, Department of Nuclear Engineering Department Co-Chair Karl van Bibber and ITS Associate Director Daniel Rodriguez offered opening remarks at the two-day event Oct. 7-8, 2019. In addition, NEXTOR Deputy Director Jasenka Rakas, Civil and Environmental Engineering professors Arpad Horvath and Raja Sengupta, Mechanical Engineering professor Mark Mueller, and City and Regional Planning professor Dan Chaffman presented their research. Thanks to a generous donation from the College of Engineering, a large number of students were able to attend this event and interact with leading academic researchers and practical innovators in the field of sustainable aviation. I was very heartened to see so many students at the event and to watch them interact with these leaders. With this in mind, I am also excited to see the UC Berkeley campus focusing on aerospace. Several ITS affiliates are part of the AeroAstroSpace Sciences Program Task Force to explore what a program at Cal would look like. I look forward to seeing what comes from this group.

As we nudge past the mid semester work, I know that we are all busy, and I thank you all again for the hard work that goes into this institution.


Go Bears,


Alexandre Bayen
Director of Institute of Transportation Studies
Liao-Cho Professor of Engineering

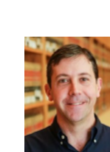
HEADLINES

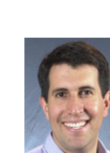
 Transportation Sustainability Research Center Co-Director Susan Shaheen talks about [Cal's Sharing Service Two Reels on Data to Get Ahead in Crowded Rental Market](#) at US Chamber of Commerce.


 ITS Director Alexandre Bayen is featured on the [TWIML Podcast: The Future of Mixed-Autonomy Traffic with Alexandre Bayen](#)


 ITS affiliate Dan Kammen talks about [California may be a climate leader, but it could be a century behind on its carbon goals: study](#) at Utility Dive.

 Partners for Advanced Transportation Technology involved in study resulting in [BART Installation to Begin This Week For New Richmond-San Rafael Bridge Bike/Ped Path](#) at PR Newswire.

 Ethan Elkind, director of the climate program at UC Berkeley's Center for Law, Energy and the Environment comments on [Nationwide trainail iderotic is plummeting - Can San Diego's high-speed rail proposal buck the trend?](#) in the LA Times.

 ITS Associate Director Daniel Rodriguez and ITS affiliate Daniel Kammen will speak at [Napa Democrats to host climate action forum Oct. 12](#) at the Napa Valley Register.

 ITS affiliate, City and Regional Planning professor Elizabeth Deakin talks about [Car-free zones could be the future of cities](#) at Vox.

 Transportation Sustainability Research Center data featured in [The Death of Cars Was Greatly Exaggerated](#) at Wired.

NEWS



[Cal Students Enjoy SA Symposium](#)



[UC Berkeley, Ecole Polytechnique Berkeley Team Up for First Leap League](#)



[WU Earns IEEE ITS Best Dissertation Award](#)



[Deakin to Present Wachs Lecture](#)



[Tomizuka Awarded Honda Medal](#)



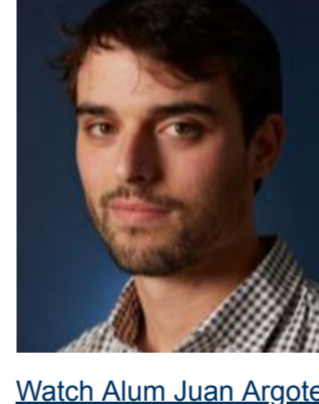
[Kenichi Soga appointed to the Donald H. McLaughlin Chair of Mineral Engineering](#)



[Shaheen Appointed as VP of TRB's Executive Committee](#)



[Can cellphones help cities be more energy efficient?](#)



[Watch Alum Juan Argo's Distinguished Lecture](#)



[Swappable Flying Batteries Keep Drones Aloft Almost Forever](#)

EVENTS

November 1, 2019 - 4:00 pm
[Robust Control and Optimization: Efficiency and Safety of Autonomous Transportation Systems](#)
Fei Mao, 290 Hearst Memorial Mining Building
University of Connecticut's Fei Mao will present Learning for Robust Control and Optimization: Efficiency and Safety of Autonomous Transportation Systems at 4 p.m. Nov. 1 at the ITS Transportation Seminar in 290 Hearst Memorial Mining Building.

November 14, 2019 - 5:30 pm to 7:00 pm
[Wachs Lecture: Integrating Transportation, Land Use, and Environmental Planning for Social Justice and Carbon Reduction: Finding a Way that Works](#)
Elizabeth Deakin, Wurster Hall Auditorium, Room 112
Join Professor Emerita Elizabeth Deakin, UC Berkeley for the Annual Martin Wachs lecture Integrating Transportation, Land Use, and Environmental Planning for Social Justice and Carbon Reduction: Finding a Way that Works Thursday, November 14, 5:30 - 7 p.m. in Wurster Hall Auditorium, Room 112. This lecture is funded by the [Martin Wachs Distinguished Lecture in Transportation Fund](#).

November 15, 2019 - 4:00 pm
[Regulating TNCs: Should Uber and Lyft set their own rules?](#)
Sen Li, 290 Hearst Memorial Mining Building
Sen Li, postdoctoral fellow in the Department of Mechanical Engineering at The University of California, Berkeley, will present Regulating TNCs: Should Uber and Lyft set their own rules? at the ITS Berkeley Transportation Seminar on Nov. 15, 2019 at 4 p.m. in 290 Hearst Memorial Mining Building. Join us for Beverages and cookies at 3:30 p.m.

November 22, 2019 - 4:00 pm
[Trustworthy Autonomy: Behavior Prediction and Validation](#)
Katherine Driggs-Campbell, 290 Hearst Memorial Mining Building
University of Illinois' Katherine Driggs-Campbell will present Trustworthy Autonomy: Behavior Prediction and Validation at 4 p.m. Nov. 22 at the ITS Transportation Seminar in 290 Hearst Memorial Mining Building.

KUDOS

If you would like to share a kudos about a colleague who went above and beyond, email acairo@berkeley.edu to let everyone know about the good work ITS and Center employees are doing!

Positive Attitude
Roxanna Infante
Kudos to Roxanna Infante for always having a friendly smile, a positive attitude and willingness to help a colleague in need of assistance. She is the best. Thanks Roxy!

Jumping in Feet First
Ami Katagiri
Kudos to Ami Katagiri, a recent addition to the Berkeley DeepDrive administrative team. She has jumped in feet-first and has made an immediate impact to our team.

Navigating Changes
Lena Lau-Stewart
Kudos to Lena Lau-Stewart for navigating the changes surrounding Berkeley DeepDrive transactions transitioning out of Team 9 and to ERSO for support.

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