

THREE TRANSPORTATION REVOLUTIONS: STEERING AUTOMATED, SHARED, AND ELECTRIC VEHICLES TO A BETTER FUTURE

Wednesday, February 12
12:00 - 1:15 PM (US Arizona)

College Avenue Commons
(CAVC) Room 333



Daniel Sperling, PhD

*Blue Planet Prize Distinguished Professor of
Civil Engineering & Environmental Science and Policy
Director, Institute of Transportation Studies
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About the Talk

Passenger transportation has seen little system innovation in half a century. That is now changing. The ubiquity of smart phones is enabling the commercialization of a range of new mobility services; rapid advances in battery and fuel cell technology are enabling electrification of vehicles; and rapid advances in sensing and AI technologies is enabling automation of vehicles. The challenge for researchers is to anticipate and understand the transformations, and for policymakers to direct these revolutions toward the public interest.

About the Speaker

Daniel Sperling is Distinguished Professor of Civil Engineering and Environmental Science and Policy, and founding Director of the Institute of Transportation Studies, at the University of California, Davis. He holds the transportation seat on the California Air Resources Board (first appointed by Governor Schwarzenegger in 2007) and most recently served as Chair of the Executive Committee of the Transportation Research Board (TRB), a unit of the National Academies. TRB awarded him its highest research award, the Roy W. Crum award in 2018. Sperling is the 2013 recipient of the Blue Planet Prize from the Asahi Glass Foundation, described as the Nobel Prize for the environmental sciences, and served twice as lead author for the IPCC (sharing the 2007 Nobel Peace Prize). He has testified 8 times to the US Congress, and has authored or co-authored over 250 technical papers and 13 books, including *Three Revolutions: Steering Automated, Shared, and Electric Vehicles to a Better Future* (Island Press, 2018). Sperling is a regular contributor to Forbes and an Energy Expert contributor for Wall Street Journal, is widely cited in leading newspapers, has been interviewed many times on NPR radio, including Science Friday, Talk of the Nation, Marketplace, and Fresh Air, and was a guest on The Daily Show with Jon Stewart in 2009.

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Light refreshments will be served. Event is open to the public.