

TITLE **Connected Vehicle Technologies and Automated Driving
2017 SF Bay Area ITE/ITS CA Joint Transportation Workshop**

DATE Thursday, April 27, 2017

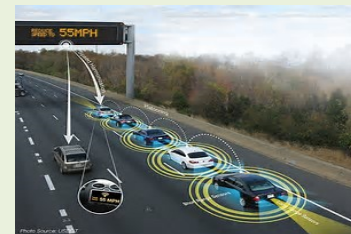
TIME 8:30 a.m. - 5:00 p.m.

FEE \$40 ITE/ITS-CA Members
\$60 Non-Members
\$10 ITE Student/Unemployed/Retired Members
This fee includes a buffet lunch and two coffee/tea breaks.

BACKGROUND Following the great success of SF Bay Area ITE's 8th Annual Transportation Workshop, with participants gathered from around the world, the San Francisco Bay Area ITE and ITS CA will jointly host 2017 9th Annual Transportation Workshop on April 27, 2017. The theme of this workshop is "Connected Vehicle Technologies & Automated Driving." The objectives of this seminar are to show the trends of the connected vehicles technologies and automated driving; innovative transportation improvement methodologies and analytic tools for our decision makers, engineers and planners; how these tools can be applied to transportation planning and engineering projects; and what impacts these technologies are likely to have on travel demands, transportation planning and traffic engineering.



Some benefits, such as independent mobility for affluent non-drivers, may begin in the 2020s or 2030s, but most impacts, including reduced traffic and parking congestion, independent mobility for low-income people and aging population (and therefore reduced need to subsidize transit), increased safety, energy conservation and pollution reductions, will only be significant when automated vehicles become common and affordable, probably in the 2040s, and some benefits may require prohibiting human-driven vehicles on certain roadways. Real applications from around the world, as well as from California, will be presented in this workshop.



This year, speakers will be representatives from international transportation technology companies, connected and automated vehicle industry, ITS industries, UC Berkeley PATH, and many others who will talk about the current exciting technology development status, on-line and time-dependent transportation models, land use models linked to the transportation models, traffic control systems, and the traffic data collection technologies. This is the first time that this workshop aims at the technology developments from many transportation data industries and automobile companies, and their implications to the ITE community.



INTENDED AUDIENCE Auto Industry, Big Data Companies, Urban and Transportation Planners, Demand Forecasting Modelers, Traffic Engineers/Transportation Planners, Consultants, Government Staff, Researchers and Students



INSTITUTE OF TRANSPORTATION ENGINEERS
San Francisco Bay Area Section



INTELLIGENT TRANSPORTATION SOCIETY OF CALIFORNIA

PRESENTERS

Internationally renowned experts will join our own locally professionals to share the latest transportation modeling technologies and research. Some speakers and topics are shown below.

SCHEDULE

- 8:00 a.m.-9:00 a.m. (Registration and Social)
- 8:30 a.m.-9:00 a.m. (Self-Introduction)
Introduction to Connected Vehicles and Automated Driving Workshop
Dr. Jia Hao Wu, SF Bay Area ITE, W & S Solutions, LLC
- 9:00 a.m.-9:35 a.m. (Moderator A)
Truck Platooning in Automated Driving Environment
Steve Boyd, Peloton Technology
- 9:35 a.m.-10:10 a.m. (Moderator A)
Traffic Engineering Issues in Automated Driving Road Network
Antonino Genoese, Jacobs
- 10:10 a.m.-10:20 a.m. (Coffee Break)
- 10:20 a.m.-10:55 a.m. (Moderator A)
Autonomous Driving and Road Network
Dr. Ling Heng, Baidu USA
- 10:55 a.m.-11:25 a.m. (Moderator A)
Open Discussions
Google and TomTom (Invited)
- 11:25 a.m.-11:30 a.m. (Moderator A)
Sponsorship Presentation
- 11:30 a.m.-1:00 p.m. (Lunch)
- 1:00 p.m.-1:45 p.m. (Moderator B)
Modelling Connected and Autonomous Vehicles
Dr. Alex Gerodimos, TSS-Transport Simulation Systems
- 1:45 p.m.-2:30 p.m. (Moderator B)
Simulating Connected and Autonomous Vehicles using PTV Vissim
Bill Cisco, PTV Group
- 2:30 p.m.-2:35 p.m. (Moderator B)
Sponsorship Presentation
- 2:35 p.m.-2:45 p.m. (Coffee Break)
- 2:45 p.m.-3:20 p.m. (Moderator B)
Research Topics and US Standards
UC Berkley PATH Program (Invited)
- 3:20 p.m.-3:55: p.m. (Moderator B)
Innovation in Action: Real-Time Insights from Deploying One of the First Connected Vehicle Pilots in the US
Wendy Tao, Siemens Industry, Inc.
- 3:55 p.m.-4:00: p.m. (SF Bay Area ITE/ITS-CA))
Appreciations/Acknowledgments

Moderator A: Joy Bhattacharya, Stantec

Moderator B: Brian Burkhard, Jacobs

Moderator C: Jia Hao Wu, W & S Solutions



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REGISTRATION

RSVP weblink:

<http://events.r20.constantcontact.com/register/event?oeidk=a07edzkw31j0b090ba4&llr=5pu4rpfab&showPage=true>

If you have questions, please direct general inquiries to the SF Bay Area ITE's Technical Program Chair, Dr. Jia Hao Wu at jiahao.wu@wssolutions.us. Walk-ins will be charged \$5 extra.

RSVP/CANCELLATION DEADLINE

The RSVP and cancellation deadline is Monday, April 24 at 12 PM. Seating capacity is limited to 90.

LOCATION

San Francisco Municipal Transportation Agency (SFMTA) at the 2nd Floor Atrium, One South Van Ness Avenue, San Francisco, CA 94103.

SPONSORSHIPS

Only two Gold (\$500), two Silver (\$350) and three Bronze (\$250) sponsorships are still available for this Workshop. For more information, please contact Ted Huynh at HuynhTC@CDMSmith.com or 415-653-3307.

Gold Sponsor:



Silver Sponsor:

