

Workshop Invitation!

Envisioning Automated Vehicles within the Built Environment: 2020, 2035, 2050.

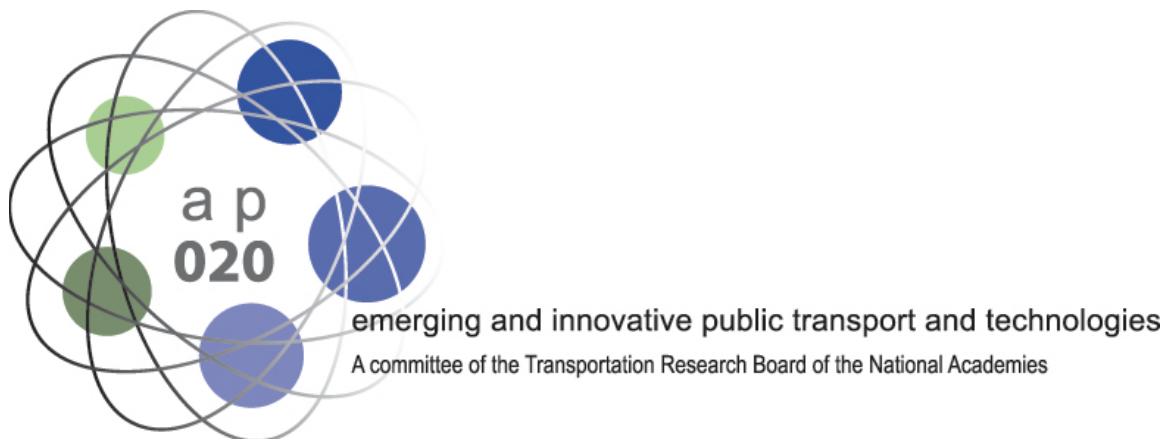
Geared to Staff from Metropolitan Planning Organizations, County Transportation Agencies, and other Regional Planners.

RSVP by July 11th. Attendance is free. Limit 50 attendees.
<http://tinyurl.com/TRBUrbanImpactsofAutomated>

Friday July 18th, 2014
Hyatt Regency SF Airport.

Part of the Automated Vehicles Symposium 2014 hosted by AUVSI and TRB
www.automatedvehiclessymposium.org

Sponsored by:



Mid-Year Meetings of:
APO20 – Emerging and Innovative Public Transport and Technologies
APO40 - Automated Transit Systems
Committees of the Transportation Research Board of the National Academies.

In this hands-on, interactive workshop, participants will re-imagine the built environment enabled by automated vehicle technologies. Small, eclectic teams of experts combining knowledge of a wide range of fields - city planning, infrastructure and architecture, car design, engineering, software and systems - will collaborate on scenarios. Each team

starts with a different "before" condition that presents roadway, neighborhood/district and regional scales, described in words, images, maps and diagrams. They will also be provided with a time-horizon for which to develop a new scenario based on the presence of specified types of vehicles with varying degrees of shared mobility, connected vehicle technology, and autonomous operation. Case studies will include a range of modes of transportation (air, bus, rail) and roadways (freeway, arterial, residential), land use (residential, commercial, agricultural, industrial) and building type (parking, dwelling, etc.), and density. Teams will generate, through different interactive methods and writing/visualizing techniques, "after" scenarios in order to think through the challenges and benefits to our built environment that an autonomous mobility future can hold. Each team's work will be facilitated by an urban designer or architect.

AGENDA

Welcome & Introduction	9:00am-10:00am
a) Conference Overview -TBA	
b) Dan Fagnant: "A Convergence in Shared Mobility: Demand-responsive fully automated vehicles, for carsharing and ridesharing across Austin, Texas"	
c) Bryant Walker Smith – "Government Regulation, Anticipation, and Participation"	
Coffee Break	10:00am-10:15am
Technology Application Pathways to Commercialization /Handouts	10:15am-11:15am
Automobiles/Transit/ Taxis-Car Sharing/Goods-Freight/Policy-Programs	
Built Environment Design Workshop (Directions and Teams)	11:15am–12:00pm
Working Lunch (per RSVP confirmation on your own options)	
Built Environment Design Workshop (hands-on)	12:00pm – 2:30pm
d) Station 1 - Roadway Design Scenario	
e) Station 2 – Neighborhood/ District Scenario	
f) Station 3 – Regional Scenario	
Presentations, Conclusion & Parting Remarks	2:30pm-3:30pm

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Workshop Organizers

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University of California at Davis

Kati Rubinyi, AIA ia
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