Safe Operation of Connected and Autonomous Vehicle Fleets

October 26 - 30, 2020

Scientific Overview
The goal of ensuring safe mobility has been at the forefront of government agencies and industry since the introduction of the mechanized transportation. Connected vehicle technologies were initially introduced to allow vehicle to vehicle and vehicle to infrastructure systems to enable the next generation of safe vehicles. Similarly, autonomous vehicles has often been looked at as a way to reduce accidents and fatalities, often associated with human error. This workshop is aimed at bringing together the formal methods community and the transportation community to understand how to build safe systems in the extremely complex driving environments where humans and robots will interact.

This workshop will include a poster session; a request for posters will be sent to registered participants in advance of the workshop.

Long Program Schedule
This workshop is part of the long program on “Mathematical Challenges and Opportunities for Autonomous Vehicles.”


Participation
Additional information about this workshop including links to register and to apply for funding, can be found on the webpage listed below. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM’s mission, and we welcome their applications.

Speakers
A list of confirmed speakers will be forthcoming.

Organizers
Ruzena Bajcsy (UC Berkeley), Lillian Ratliff (University of Washington) Richard Sowers (University of Illinois at Urbana-Champaign), Jonathan Sprinkle (University of Arizona), and Daniel Work (Vanderbilt University).

For more information, visit the program webpage: www.ipam.ucla.edu/avws2