

## Quest for Emerging Traffic Management Technologies

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Transportation Systems Management & Operations (TSMO)

Program Manager

Maricopa Association of Governments

**Thursday, December 2, 2021**

11:00 AM to 12:15 PM US Arizona

[Zoom Registration](#)



### About the Speaker

Jeff Jenq serves as the Program Manager for the Transportation Systems Management and Operations (TSMO) program at the Maricopa Association of Governments (MAG) – the Metropolitan Planning Organization encompassing the greater Phoenix area. MAG TSMO program works closely with the Arizona Department of Transportation, Maricopa County, (portions of) Pinal County, 27 cities and towns, and Native nations to plan and fund the regionally significant ITS projects and studies. Jeff has extensive experience in ITS planning, operations, and research related to the freeway and arterial operations, Integrated Corridor Management, traffic incident management, transit, traveler information, and performance measures. Jeff is a member of the TRB Intelligent Transportation Systems committee (AHB15), ITE, and a past President and board member of ITS Arizona. He received his Ph.D. in transportation engineering from Northwestern University.

### About the Talk

Congestions caused by traffic signals are among the leading source of traffic disruption. The first part of the presentation briefly reviews the evolution of traffic management technologies and discusses the limitations associated with the state of practice. The second part of the presentation sheds light on how the advent of technologies like Artificial Intelligence, sensors, the Internet of Things, communications, and crowd-sourced data started penetrating the traditional traffic management market space. These technologies have the potential of unleashing capabilities and providing data and analytics that were previously inconceivable. Examples will be provided based on vendor engagement and the pilot projects being conducted in Arizona. Discussions will be made regarding the research opportunities and the need for revised traffic management doctrines associated with the new possibilities.

**This webinar will be webcast live to a worldwide audience by Zoom.**

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