

## March 22, 2018 OCTEC Meeting

Vehicle-to-Infrastructure State of the Practice Review in a Connected Vehicle Environment

Presented By:

Dr. Shayan Khoshmagham, Data Scientist, Iteris

Understanding the role that Orange County Transportation Authority (OCTA) plays in the region as a planning and funding and transit system operations and maintenance agency, it is crucial for OCTA to know how to prepare for the CV Environment and the investments that need to be made to support such advances in technology. To aid in this effort, this study summarizes the current state of the practice of vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) CV technology.

Thirty-six (36) out of the fifty-six (56) CV applications as identified by USDOT were selected as being of relevance to OCTA, Orange County Cities and other relevant stakeholders. This review study includes an inventory of current technologies, test beds and demonstration projects that are under way, the maturity and trajectory of these selected applications, potential benefits, and the challenges of various V2V and V2I technologies. The initial non-recurring costs to deploy the infrastructure as well as the recurring costs to operate and maintain the infrastructure have been also been identified.

### SPEAKER BIO

**Dr. Shayan Khoshmagham** is a data scientist at Iteris with over 5 years of experience in ITS and connected vehicle mobility applications. He was one of the core researchers involved in development and field testing of the Multi Modal Intelligent Traffic Signal Systems (MMITSS) pooled fund project with professor Larry Head at the University of Arizona. He will be sharing this experience along with other programs he is currently involved with around the application of connected vehicles in the real world.



### MARCH LUNCHEON

**MARCH 22, 2018**

11:30 AM to 1:00 PM

**\*LOCATION\***

**Orange County Mining Co**  
10000 S Crawford Cyn Rd  
Orange, CA 92705

#### Lunch Fees:

\$20 (Member) - Ends 03/16 @ 5 pm  
\$25 (Non-Memb.) - Ends 03/16 @ 5 pm  
**Pay At the Door: \$30**  
**Students/OCTEC Fellows: \$10**

Please register via Eventbrite at:

<https://www.eventbrite.com/e/octec-march-2018-luncheon-tickets-43732830072>

### THIS MONTH'S LUNCH IS SPONSORED BY:



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## OCTEC NEWS

# OCTEC TRAINING

CALIFORNIA MUTCD HALF-DAY WORKSHOP

Wednesday April 11, 2018 @ 8:00 AM

Instructor: Rock Miller, Senior Principal, Stantec

**Location:**

Newport Beach Civic Center  
Community Room  
100 Civic Center Drive  
Newport Beach, CA 92868

Look forward to seeing you there!

**Looking for Job  
Opportunities,  
Have Job  
Opportunities, Want  
to get the latest  
newsletter?**

Visit our website  
<http://octec.net> for job listings,  
newsletters, and presentations  
from meetings.

Please contact Archie Tan or any  
Board member if you have any  
job listings that you want posted  
to the OCTEC website.

## JOB ANNOUNCEMENTS

There are several job postings on the OCTEC [website](http://www.octec.net):

- Kimley-Horn & Associates, Inc. – Locations: Orange and Downtown Los Angeles, CA  
Transportation Planners, ITS Engineers and Traffic Engineers (all experience  
levels) - Contact: [vikas.sharma@kimley-horn.com](mailto:vikas.sharma@kimley-horn.com)
- Kunzman Associates, Inc. – Location: City of Orange, CA  
Traffic Engineer (3-5 years experience), Contact: [kathy@traffic-engineer.com](mailto:kathy@traffic-engineer.com)
- KOA Corporation – Location: Orange County Office, CA  
Senior Transportation Engineer / Project Manager – Contact: Min Zhou at  
[mzhou@koacorp.com](mailto:mzhou@koacorp.com)
- City of Corona – Location: Corona, CA  
[Associate Engineer - Traffic](#) - CLOSING DATE: Continuous
- Iteris, Inc. – Location: Multiple Locations  
Engineers & Senior Engineers – Contact: [jbarker@iteris.com](mailto:jbarker@iteris.com)
- RailPros – Location: Southern California  
[Civil Traffic Engineer](#) - CLOSING DATE: Continuous  
[Civil Traffic Designer](#) - CLOSING DATE: Continuous

## LOCAL, REGIONAL & NATIONAL NEWS

### **Cost of California bullet train surges \$13 billion, more delays expected**

[\[CLICK HERE\]](#)

On Friday, rail authority officials announced the planned project connecting Los Angeles and San Francisco will cost more than \$77 billion, up \$13 billion from just two years ago. Costs could rise to as much as \$98.1 billion.

Further, the rail authority has pushed back expected completion to four years from 2029 to 2033.....

### **L.A. Metro, TSA to Test Latest Advanced Passenger Screening System at 7th Street/Metro Center Station**

[\[CLICK HERE\]](#)

The L.A. County MTA (Metro), in partnership with the TSA and ThruVis TAC, tested the latest advanced passenger weapons and explosives screening system at the 7th Street/Metro Center Station on March 6 and March 7....

### **Next-Gen Nissan Altima Adds Semi-Autonomous ProPilot Assist**

[\[CLICK HERE\]](#)

Nissan will add its ProPilot Assist semi-autonomous driving feature to the 2019 Altima – the third Nissan vehicle to add the system that pairs adaptive cruise control and lane keeping assist, Nissan announced.

Nissan debuted the technology on its 2018 Leaf, which went in sale in late 2017. It was then added to the 2018 Rogue.

Nissan will unveil the six-generation 2019 Altima at the New York International Auto Show on March 28.....

### **What autonomous vehicle companies are doing in the wake of Sunday's fatal Uber crash**

[\[CLICK HERE\]](#)

In the days following the deadly accident involving a driverless Uber vehicle in Arizona, some attention has turned to what other car companies are doing with self-driving technology.

Elaine Herzberg, 49, was struck and killed after crossing a street Sunday night, prompting the ride-hailing company to suspend testing of its autonomous vehicles in San Francisco, Phoenix, Pittsburgh and Toronto.

**THIS MONTH'S NEWSLETTER IS SPONORED BY**

**ALBERT  
GROVER &  
ASSOCIATES**

**Transportation Consulting Engineers**

*Currently accepting resumes for various levels.*

211 East Imperial Highway, Suite 208  
Fullerton, California 92835  
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FAX: (714) 992-2883  
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- Signal Timing & Coordination
- Signal/Signing/Striping/Lighting Plans
- Traffic Engineering Operations
- Air Quality/Emissions Analysis
- Transportation Planning
- GIS/Database Inventories

- Signal Systems/ITS Design
- Parking/Circulation/Safety Studies
- On-site Traffic Engineers
- Site Impact Studies
- Speed Zone Surveys
- Construction Management/Inspection



## 2017–2018 Sponsors

Meeting Date

Newsletter Sponsors

Lunch/Meeting Sponsors

September 28, 2017

Kimley-Horn  
Iteris



October 26, 2017  
Joint Meeting—ITE SoCal

Transpo Group  
WGZE

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January 25, 2018

LSA  
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February 22, 2018  
Joint Meeting—ITS California

KOA  
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March 22, 2018

Albert Grover & Associates  
<2nd Sponsorship Available>



April 26, 2018

CDM Smith  
Linscott, Law & Greenspan, Engineers

May 4, 2018

OCTEC Golf Tournament  
(Green River Golf Course)



May 16, 2018

SoCal ITE/OCTEC Student Chapter Night  
(Knott's Berry Farm Resort Hotel)

June 28, 2018

Stantec  
Kunzman Associates

For more information and sponsorship opportunities, please contact Archie Tan at 714.560.5845 or [atan@octa.net](mailto:atan@octa.net)

## OCTEC 2017–2018 Officers



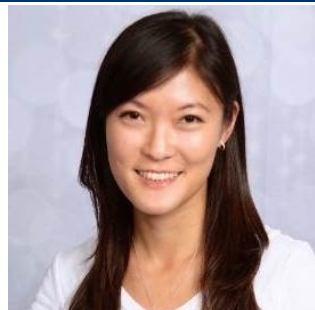
**Eric Loke, President**

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Coordinator**

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Orange, California 92863-1584  
phone: (714) 560-5845  
[atan@octa.net](mailto:atan@octa.net)





ANNUAL

# OCTEC / ITE GOLF TOURNAMENT

## FRIDAY – MAY 4, 2018

**Hole Sponsorship Form - ONLY  
GREEN RIVER GOLF CLUB**

**5215 GREEN RIVER ROAD, CORONA**

**91 Freeway off at Green River Road**

Telephone (951) 737 – 7393 or (714) 970 – 8411

**DO NOT USE THIS FORM FOR FOURSOME SIGN - UP**

**\$375.00 HOLE SPONSORSHIP FEE INCLUDES SIGN AT TEE BOX  
WITH YOUR COMPANY NAME AND LOGO AND RECOGNITION AT  
LUNCHEON  
PLEASE HAVE FEES AND ARTWORK to RON KEITH PRIOR TO  
April 10, 2018**

Company Name:				Phone:			
Address:							
City:				State:		Zip Code:	
Number of Holes Sponsored		Long Drive - Men Y/N		Long Drive - Women Y/N		Closest Pin Front 9	Closest Pin on Back 9
Special Amounts		Lunch Sponsor Amount			Breakfast Grab 'n Go Amount:		

Pay on the internet with fee at:

<https://octecgolf2018.eventbrite.com>

MAIL FEES AND COMPLETED FORM TO:

RON KEITH

C/o OCTA

550 S. Main Street - Orange, CA 92863 1584

Telephone (714) 560 – 5990

[rkeith@octa.net](mailto:rkeith@octa.net)

\*\*\* MAKE CHECKS PAYABLE TO: OCTEC \*\*\*

Please Note Check for Annual ITE/OCTEC Golf Tournament May 8, 2015



**ANNUAL**



# **GOLF TOURNAMENT**

**FRIDAY, MAY 4, 2018**

**FOUR MAN SCRAMBLE**

**SHOTGUN START AT 8:00 AM**

**REPORT IN BY 7:30 AM**

**GREEN RIVER GOLF CLUB**

**5215 GREEN RIVER ROAD, CORONA, CA**

**91 Freeway off at Green River Road**

**(See Thomas Guide Page 742 B-5, Riverside County)**

**Telephone (951) 737-7393 or (714) 970-8411**

**Please Dress Appropriately, No Denim or Tank Tops**

**\$90.00 ENTRY FEE INCLUDES CART**

**GRAB 'n Go BREAKFAST & BUFFET LUNCH**

**PLEASE HAVE ENTRIES IN PRIOR TO MONDAY, APRIL 30, 2018**

**\*\*\* MAIL ENTRIES TO: \*\*\***

**Jim Sommers**

**13072 Earlham Street**

**North Tustin, CA 92705**

**Telephone (714) 997-8714**

**[Jimsommers43@gmail.com](mailto:Jimsommers43@gmail.com)**

**\*\*\* MAKE CHECKS PAYABLE TO: O.C.T.E.C. \*\*\***

<b>NAMES</b>	<b>AGENCY OR COMPANY</b>	<b>PHONE</b>

Please print clearly and provide e-mail address for each player if possible.  
Pay on-line (includes fee) to Eventbrite:  
<https://octecgolf2018.eventbrite.com>