

Program: Dual Presentation

Automatic Traffic Signal Performance Measures
Presented by: Susan Langdon, Principal, Stantec

Using Big Data for Performance Measurement and Congestion Monitoring for Local Agencies
Presented by: Kavin Mehta, Program Manager, Iteris

Susan’s presentation today will briefly discuss the history of how modern signal controllers log hi-resolution data and how that data is utilized in managing the performance of signal systems.

Kavin’s presentation will discuss the use of Big Data analytics for congestion monitoring and performance measurement that has been traditionally limited to using floating car surveys and traffic count data in the context for local agencies.

President’s Address

Fellow OCTEC Members,

Hopefully everyone survived the dreaded tax season and are now enjoying the beginning of Spring. It's hard to believe that we are already in the final quarter of the OCTEC year; time has flown right on by again this year. This month we have a dual presentation on performance measures, with the first from Ms. Susan Langdon/Stantec on Automatic Traffic Signal Performance Measures and the second from Mr. Kavin Mehta/Iteris on Using Big Data for Performance Measurement and Congestion Monitoring for Local Agencies.

Last month, we had a great presentation from Ron Keith/OCTA on the OCTA Regional Traffic Signal Synchronization Program, including brief summaries of six multi-million dollar corridors (Antonio Parkway, Adams Avenue, Newport Avenue, Jeronimo Road, State College Boulevard, and Trabuco Road) involved in the program.

Our annual golf tournament is coming up on May 5th at Green River Golf Course. We only have a few foursomes left to fill to max out the tournament. However, we still need HOLE Sponsors and other Sponsors. Please visit our Eventbrite page (<https://octecgolf2017.eventbrite.com/>) to sign up and for sponsorship opportunities. The Board would like to thank our sponsors and golf players that have signed up so far. Sponsorships from the golf tournament provides the primary contribution source that helps raise money for OCTEC and support the ITE SoCal/OCTEC Student Night. Please contact Ron Keith (rkeith@octa.net) for any additional information.

APRIL MEETING

April 27, 2017

11:30 AM to 1:00 PM

Orange County Mining Co
10000 S. Crawford Cyan Rd
Orange, CA 92705

Lunch Fees:

\$20 (Member) - Ends 4/21 @ 5 pm
\$25 (Non-Member) - Ends 4/21 @ 5 pm
Pay At the Door: \$30

Please register via Eventbrite at:
<https://octec-april2017-meeting.eventbrite.com>

If you have any questions, please contact
Kristin Tso, at
kyt@iteris.com

**THIS MONTH’S LUNCH
IS SPONSORED BY:**



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SPEAKER BIOS

Susan Langdon, PE, PTOE — Principal, Stantec

Susan brings her clients more than 25 years of experience in traffic signal design and operations, signal system timing and implementation, traffic system modeling and simulation, transit priority applications, and ITS and connected vehicle applications. Her experience includes 10 years in the public sector where she served as Signal Operations Engineer for the Wisconsin Department of Transportation and over fifteen years in private practice. Susan has developed signal timing for more than 3,000 traffic signals in her career.



Susan currently serves as Chair/Co-Chair for several Institute of Transportation Engineers (ITE) committees on a statewide and national level. She is Past President for the Texas District of ITE and officer of the Transportation Research Board Signal Systems Committee. She was one of nine traffic signal timing experts on the project panel for the development of the Federal Highway Administration's (FHWA) Signal Timing Manual Version II.

Kavin Mehta — Program Manager, Iteris



Mr. Mehta works as a Program Manager for Iteris' Analytics Division. He has over 10 years of experience in managing transportation related software applications for agencies of various size, and has a strong technical background in programming, system architecture and database design. Kavin holds a Bachelor of Science degree in Engineering and also received his MBA degree from Bowling Green State University.

President's Address -continued-

Additionally, the annual OCTEC/SoCal ITE Student Night Presentations will occur on May 17th at Knott's Berry Farm Hotel. Please keep an eye out for the meeting announcements. At this event, OCTEC and ITE will judge the student projects presented by the various local universities, and award them with the money we raise from the annual golf tournament.

It is also that time of year where we will be opening up nominations for the next OCTEC Sponsorship/ Membership Coordinator at our April meeting. Please contact any of the Board members if you are interested or have someone in mind for nominations.

Sincerely,

Keith Rand

OCTEC President 2016-2017

JOB ANNOUNCEMENTS

There are several job postings on the [OCTEC website](#) with a few of them as follows:

- RK Engineering Group, Inc.
Associate Principal Traffic Design/Operations Engineer
(Date Posted: April 18, 2017)
- City of Costa Mesa
Transportation Services Manager
(Date Posted: April 18, 2017)
- Transpo Group
Senior Intelligent Transportation Systems Engineer
(Date Posted: February 27, 2017)
- City of Costa Mesa
Assistant / Associate Engineer
(Date Posted: February 22, 2017)

LOCAL AND REGIONAL NEWS

Gas-tax increase to pay for road repair clears California Legislature [[CLICK HERE](#)]

The state Legislature on Thursday passed a sweeping \$52 billion transportation plan that will raise California gas taxes after leaders struck deals with wavering lawmakers to fund road projects in their districts. The legislation will raise the money to pay for the plan over 10 years. It raises the base gasoline excise tax by 12 cents, creates a transportation improvement fee based on the value of a vehicle (vehicle registration fees), raises diesel excise and sales taxes.

The \$1 fee you pay covers freeway call boxes and other stuff in Orange County [[CLICK HERE](#)]

In 2006, there were nearly 1,300 call boxes along Orange County freeways and toll roads. Now, there are but 414.....The thinning out is for good reason.....the victim of cell phones. In 2005, there were 15,600 calls made from them in the county, and just 1,717 a decade later.



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 Kristin Tso or any Board member if you have any job listings that you want posted to the OCTEC website.

ITS CA SOCAL

ITS California has partnered with KNect365 to announce their upcoming **Connected & Autonomous Vehicle Conference on May 15 - 18, 2017 at the Santa Clara Convention Center (See attached flyer).**

Connected-Autonomous Vehicle Workshop



ITS CALIFORNIA IS PLEASED TO ANNOUNCE THE NEXT IN A SERIES OF WORKSHOPS ON TOPICS OF INTEREST TO THE ITS COMMUNITY

Please join ITS California at the next exciting workshop centered around the planning and deployment of connected and autonomous vehicles. The workshop will begin with a training session to familiarize attendees with the emerging technologies and the impacts to local agencies. Our luncheon speaker, Sanjiv Nanda, will discuss what the private sector is doing in this space. In the afternoon attendees, will interact with leaders from around California about current efforts to prepare for connected and autonomous vehicles.

ITSCA Member = \$50 (Includes lunch)

ITSCA Non-member = \$75 (Includes lunch)

Date: May 10, 2017

Time: 9:00 a.m. - 3:00 p.m. (lunch served at noon)

Place: Embassy Suites Anaheim - South 11767 Harbor Blvd., Garden Grove, CA 92840

For questions or to pay at the door please contact carole.cleary@parsons.com by May 5, 2017 if you plan to attend. Please use the link below to register for the event.

<https://www.universe.com/events/connected-autonomous-vehicle-workshop>



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Southern California Locations:

ORANGE

660 South Figueroa St
Suite 2050
Los Angeles, CA
90017
213-261-4040

LOS ANGELES

21820 Burbank Blvd.
Suite 230
Woodland Hills, CA
91367
747-900-8400

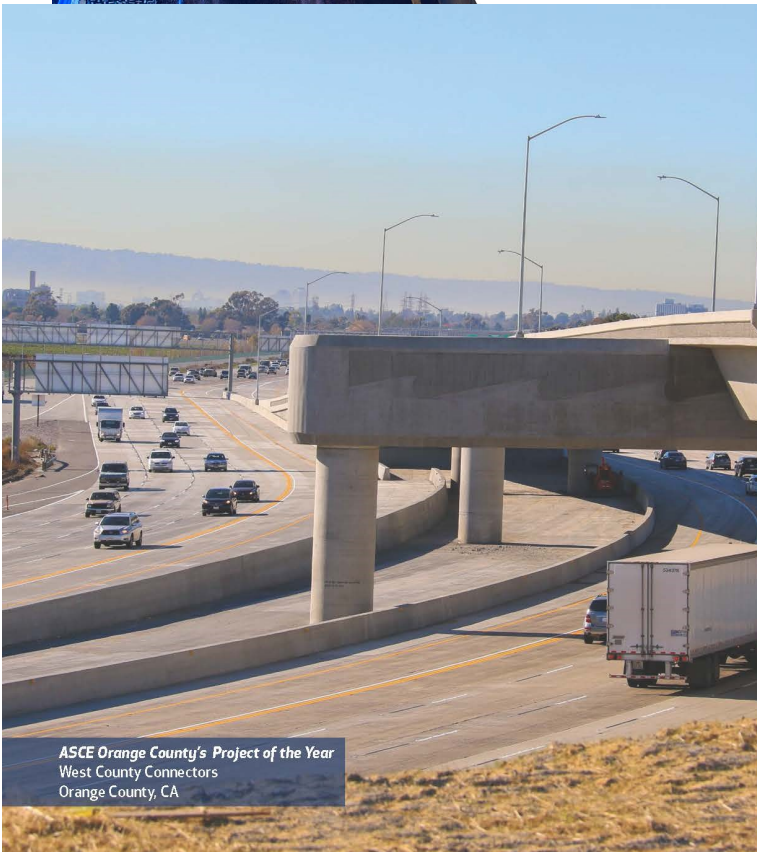
LOS ANGELES

765 The City Drive
Suite 200
Orange, CA
92868
714-939-1030

SAN DIEGO

401 B Street
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Orange County, CA

2016–2017 Sponsors

OCTEC would like to give a special thanks to all of our generous sponsors!

Meeting Date

September 22, 2016

October 27, 2016
Joint Meeting—ITE SoCal

January 26, 2017

February 23, 2017

March 23, 2017

April 27, 2017

May 5, 2017

May 17, 2017

June 22, 2017

Newsletter Sponsors

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Iteris

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Transpo Group

Albert Grover & Associates
W.G. Zimmerman Engineering

Kimley-Horn and Associates, Inc.
Michael Baker International

OCTEC Golf Tournament
(Green River Golf Course)

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

Econolite
Kuzman Associates

Lunch/Meeting Sponsors



EtherWAN



For more information and sponsorship opportunities, please contact Kristin Tso at (949) 270-9599 or kyt@iteris.com

OCTEC 2016 -2017 Officers



Keith Rand, President

ADVANTEC Consulting Engineers, Inc.
21700 Copley Drive, STE 350
Diamond Bar, CA 91765
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keithrand@advantec-usa.com



Eric Loke, Secretary

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100 Civic Center Drive, Bay 2D
Newport Beach, CA 92660
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eloke@newportbeachca.gov



Vikas Sharma, Treasurer

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Los Angeles, CA 90017
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vikas.sharma@kimley-horn.com



**Kristin Tso,
Sponsorship/Membership
Coordinator**

Iteris, Inc.
1700 Carnegie Avenue, STE 100
Santa Ana, CA 92705-5551
phone: (949) 270-9599
kyt@iteris.com



ANNUAL



OCTEC / ITE GOLF TOURNAMENT

FRIDAY – MAY 5, 2017

**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

**\$300.00 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 17, 2017**

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	
Elite/Carts/Cash Amount		Lunch Sponsor Amount			Breakfast Grab 'n Go Amount:		

Pay on the internet with fee at:

<https://octecgolf2017.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

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

Please Notate Check for Annual OCTEC Golf Tournament May 5, 2017



ANNUAL



GOLF TOURNAMENT

FRIDAY, MAY 5, 2017

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 17, 2015

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

JIM SOMMERS

OCTEC Golf Co - Chair

13072 Earlham Street

North Tustin, CA 92705

Telephone (714) 573-0317

FAX (714) 573-9534

Jimsommers43@gmail.com

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

NAMES

AGENCY OR COMPANY

PHONE

NAMES	AGENCY OR COMPANY	PHONE

Please print clearly and provide e-mail address for each player if possible.

Pay on-line (includes fee) to Eventbrite:

<https://octecgolf2017.eventbrite.com>



P R E S E N T

Job Fair & Student Presentation Night
at
Knott's Berry Farm Hotel
7675 Crescent Avenue
Buena Park, CA 90620

WEDNESDAY
05.17.2017
5 PM

JOB FAIR

The job fair portion of the program will be open from 5:30 p.m. to 6:30 p.m. and is free to attend (walk-ins OK). Must pre-register for dinner & student presentations.

DINNER & STUDENT PRESENTATIONS

Check-in begins at 6:00 PM
Dinner and Presentation at 6:30

Presentations from Southern California ITE Student Chapters

Cal Poly Pomona

CSU Fullerton

CSU Long Beach

UCI

UCLA

USC

Register at https://iteoctec_presentationnight2017.eventbrite.com

EARLY REGISTRATION ENDS AT 5 PM FRIDAY 5/5

REGISTRATION ENDS AT 5 PM FRIDAY 5/12

Questions? Contact jmcneill@iteris.com

Early Registration \$30 | General Registration \$35 | Students \$20 | Life Members Free!

Connected & Autonomous Vehicles

May 15 – 18, 2017
Santa Clara Convention Center,
CA, USA

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CCTA AUTONOMOUS TEST DAY

Take a day trip to the GoMentum Station Station, the nation's largest secure testing facility for autonomous and connected vehicle technology.

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