

March Presentation:
Starting Adaptive Systems with Systems Engineering
 Speaker: Daniel Lai, PE (TranspoGroup)

With the observed growth in traffic demand, the transportation engineering industry continues to look for ways to optimize traffic flow and maximize the use of existing infrastructure. Adaptive Signal Control Technology (ASCT) is one technology that has gained an increasing amount of attention over the past few years as a larger selection of ASCT products are now available to the transportation market. ASCT technology aims at improving signal operations by using detection data to optimize the distribution of green time within a transportation system.
 (Cont.)

President's Address

Dear OCTEC Members,

Spring is in the air, which means OCTEC is closing in on its final stretch before we end the Board year. With that in mind, we will be opening up our nominations for next year's OCTEC Sponsorship/ Membership Coordinator. If you are interested, or have anyone in mind, please contact me or a fellow OCTEC Board Member. Being on the OCTEC Board is a four-year commitment, but a great experience. Nominations will be held at our April Meeting.

Last month, we had our largest meeting in OCTEC history! In partnership with ITS-CA Southern Section, we had over 140 attendees at our meeting on February 25th. We wanted to thank our membership, ITS-CA membership, and the Board members for making this happen. We had a great panel of speakers from 4 different counties in southern California discussing Performance Measurement. It was good to see how other agencies are approaching Performance Measurement, and what are some lessons learned from it. Thank you to our panelists Ellison Alegre (SANDAG), Tim Bryne (SANBAG), Anup Kulkarni (OCTA), and Eva Pan (LA Metro) for participating and to James Dreisbach-Towle (SANDAG) for moderating the conversation.

Lastly, we are still looking for sponsors for our Annual OCTEC Golf Tournament being held on May 6th at Green River Golf Course. Please contact Ron Keith (rkeith@octa.net) for more information. In addition, we are hosting our Spring Mixer at Dave and Busters at the Outlets of Orange on April 14th. Please keep an eye out for more details.

Thank you.



Regards,
 Ed Alegre, OCTEC President 2015-2016



MARCH LUNCHEON

March 24, 2016

11:30 AM to 1:00 PM

Orange Hill Restaurant
 6410 E. Chapman Ave
 Orange, CA 92869

Lunch Fees:

\$20 (Member) - Ends 3/17 @ 5 pm
 \$25 (Non-Member) - Ends 3/17 @ 5 pm
 Pay At the Door: \$30
 Students: \$15

Please register via Eventbrite at:
<https://february-2016-joint-lunch-with-itsca.eventbrite.com>

If you have any questions, please contact
 Vikas Sharma, at
vikas.sharma@kimley-horn.com

THIS MONTH'S LUNCH IS SPONSORED BY:



Inside this issue:

Program and President's Address	1
Speaker Bio	2-3
Job Announcements	4
Local and Regional News	5
Newsletter Sponsors	6
Sponsors and OCTEC Officers	7

SPEAKER BIO

Daniel Lai, PE (TranspoGroup)

Daniel is a technology-focused transportation engineer with niche expertise supporting ITS projects. Daniel's experience in the transportation engineering field includes system planning, design, and implementation for ITS and traffic signal systems. His recent experience in ITS also includes involvement in emerging ITS technologies such as adaptive signal control systems, connected vehicles, ATMS, and TMC projects. Daniel also manages Transpo Group's in-house ITS testing facility, housing the latest hardware and software, which is used to research applications for newly emerging transportation engineering developments. Outside of work, Daniel is passionate about cross county mountain biking.



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(Continued)

While ASCT technology is capable of providing many operational benefits, considerations such as infrastructure requirements, network characteristics, and post-deployment operations and maintenance need to be carefully assessed. The FHWA's "Model Systems Engineering Documents for ASCT Systems" provides a comprehensive framework for decision makers to carefully assess whether ASCT is the right solution. In addition to being a mandatory process for federally-funded ASCT projects, the system engineering process is aimed at providing agencies with system selection guidance. This presentation will provide an overview of the Systems Engineering process, and what an agency should consider when planning for an ASCT deployment.

OCTEC SPRING 2016 SOCIAL MIXER!

April 14th from 5 PM—9 PM

Dave and Busters at The Block in Orange

Cost is only \$7 with RSVP (link below) or \$10 at the door. Price includes entry, 1 drink, appetizers, 1 raffle ticket and free pool and shuffle board. Bring a potential new member and receive 2 additional raffle tickets. Raffle tickets will also be sold for \$1 each at the door.

We are looking for mixer sponsors as well as for the raffle prize donors. Please contact any Board member.

We look forward to seeing you there!

RSVP now for the Spring 2016 Social Mixer: <http://octecfallsocialmixer.eventbrite.com/>

February Panel Presentations—Performance Measurement

Presented by: Ellison Alegre (SANDAG), Tim Bryne (SANBAG), Anup Kulkarni (OCTA), and Eva Pan (Metro)

OCTEC, in conjunction with ITS CA Southern Section, had a fantastic turnout with over 140 attendees from the two organizations. The February Panel Presentation focused on Performance Measurement from the different perspectives of four separate counties in southern California. Mr. James Dreisbach-Towle (SANDAG) moderated the panel that consisted of Ellison Alegre (SANDAG), Tim Bryne (SANBAG), Anup Kulkarni (OCTA), and Eva Pan (LA Metro). The presentations are available on the OCTEC website under the Meetings section.

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

Job Announcements

There are several job postings on the OCTEC website:

- City of Irvine
Traffic Management Center Supervisor
- Kimley-Horn
Senior Transportation Engineer—
Roadway Design
- LSA Associates
Assistant Transportation Planner/
Engineer
- City of Rancho Palos Verdes
Senior Civil Engineer
- HDR
Senior Traffic Engineer/Project Manager
- RailPros
Civil / Traffic Designer
- Eberke Design, Inc./Reno A&E
Experienced Salesperson
- Albert Grover and Associates
CAD Operations & Project Engineers
- RK Engineering Group, Inc.
Traffic/Transportation Engineer
- IBI Group
Transportation Engineer
- LSA Associates, Inc.
Transportation Planner/Engineer

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

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

ITS CA ANNUAL MEETING—SAVE THE DATE Sept. 19-21, 2016



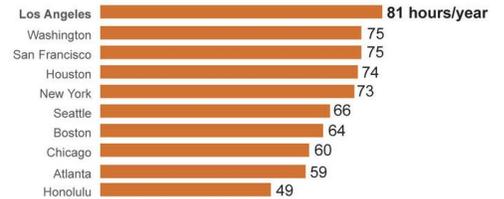
LOCAL AND REGIONAL NEWS

Southern California Can Claim the Worst Traffic America — Again [\[CLICK HERE\]](#)

A recent Los Angeles Times article identified that southern California has once again claimed the top spot with the worst cumulative delay of any U.S. metropolitan area. Motorists in the Los Angeles/Long Beach/Santa Ana region spent 81 hours idling on southern California freeways last year. It was also reported that U.S. drivers spent more than 8 billion hours stuck in traffic last year according to transportation analytics provided by Inrix. Within Orange County, the article identified Interstate 5 between SR 133 and Olympic Boulevard in Los Angeles as one of the four world’s most congested freeway segments.

Traffic-wise, L.A.'s the worst

U.S. drivers spent more than 8 billion hours stuck in traffic in 2015, according to transportation analytics firm Inrix.



Source: Inrix

@latimesgraphics

Two LACMTA Rail Projects Receive Federal Appropriations [\[CLICK HERE\]](#)

The U.S. Department of Transportation plans to award \$300 million to the Los Angeles County Metropolitan Transportation Authority (METRO) for two major rail projects in Los Angeles County. The two transit projects selected for award are the Regional Connector and the Westside Purple Line Extension (Sections 1 and 2), both of which are currently under construction. The Regional Connector project extends from the Gold Line Little Tokyo/Arts District Station to the 7th Street/Metro Center Station in downtown Los Angeles. The Westside Purple Line Extension is a rail project that extends Metro’s rail line from the Wilshire/Western Station along Wilshire Boulevard out to Westwood at the VA Hospital near I-405/Wilshire Boulevard.

GPS Tracking Down to the Centimeter [\[CLICK HERE\]](#)

Researchers at the University of California, Riverside (UCR) have developed a new method for processing GPS data that enhances the accuracy as near as a few centimeters. The report indicates that this enhancement will be used in developing autonomous vehicles, as well as improvements to both air and naval navigation systems. The research, which was led by Jay Farrell, professor and chair of electrical and computer engineering, was recently published in IEEE’s Transactions on Control Systems Technology.

Tech Transfer Courses

Classes through April 2016 now open for enrollment

[TE-40 Multimodal Transportation Planning and Engineering](#)

March 8-10, 2016

Los Angeles

[TE-13 Synchro and SimTraffic](#)

March 15-16, 2016

Costa Mesa

[PL-11 Complete Streets Planning and Design](#)

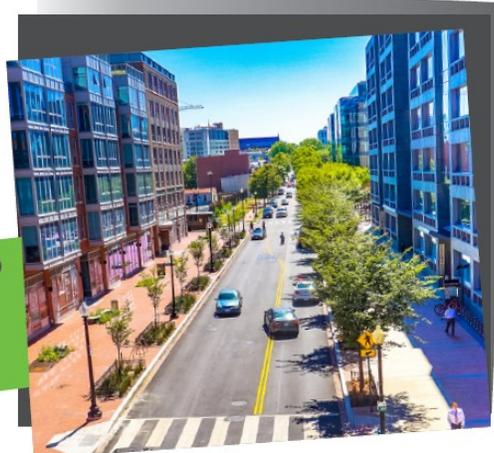
June 15-16, 2016

Los Angeles



PRESENTED BY THE SOUTHERN CA CHAPTER OF AMERICAN PUBLIC WORKS ASSOCIATION

17TH ANNUAL COMPLETE STREETS & TECHNOLOGY CONFERENCE



SAVE THE DATE ✓
Wednesday
April 20, 2016
8 a.m. - 3:30 p.m.

ENGAGING TOPICS OF BENEFIT TO CURRENT PUBLIC WORKS PRACTITIONERS:

- Plans, Specifications and Estimates (PS&E)
- Mobile Computer Applications
- Construction Management Best Management Practices
- ADA Accessibility Compliance
- Pavement Management Advances
- Tech Tools for Operations Maintenance
- Green Streets and Water Quality
- 3 Complete Streets Sessions:
 - Active Transportation Funding & Safety
 - Sustainable Streetscapes
 - Complete Streets Stories

PLUS | BONUS LUNCH PRESENTATION



DETAILS

Carson Community Center
801 East Carson Street
Carson, CA 90745
Wednesday, April 20, 2016
8 a.m. - 3:30 p.m.



EXHIBITORS

If you are interested in being an Exhibitor, please contact:
Alan Rigg
(714) 890-4203
arigg@ci.stanton.ca.us



COST

\$145 Members
\$165 Non-Members
\$165 Walk-ins | \$525 Vendors
Students - FREE for the first 10 to register! (\$50 thereafter)

THIS MONTH'S NEWSLETTER IS SPONSORED BY



Founded in 1998, **ADVANTEC Consulting Engineers** focuses on providing innovative solutions for our transportation clients and the public we serve. Our name espouses our strength to implement **ADVANCEMENTS** in **TECHNOLOGY** and to adopt innovations to benefit our clients and communities. Our continued success relies upon strong principal involvement, client centered management, and team leadership bringing together the right blend of talent on every project. Our Professional Team specialize in providing these solutions as part of our professional services:

Smart Cities, Intelligent Transportation Systems, Connected Vehicles, Traffic Engineering, Traffic Operations, Highway Planning/Engineering, Public Works, Active Transportation

Our company's continued success relies upon a business model that offers strong principal involvement, client centered responsive services, and project leadership, bringing together the right blend of talent on every project. Our senior leadership team has over 180 years of combined civil engineering, transportation planning, active transportation, ITS, and traffic engineering experience throughout California.

We are currently looking for talented engineers and planners to join our Team!

- Interns
- Graduates
- Design Engineers
- System Engineers
- Project Engineers
- Traffic Engineering Project Managers
- Active Transportation Project Managers

Our compensation package involves very competitive salaries, bonuses, medical & dental insurance, 401k plan, and rewarding programs tailored for the bright and ambitious professionals!

For more information about ADVANTEC, visit our website at www.advantec-usa.com. Interested candidates shall apply online through our website, or email resumes to HR@advantec-usa.com.

Contact Information:

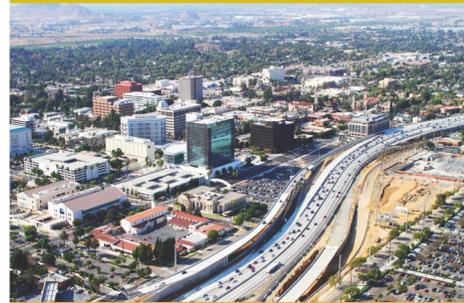
Mr. Leo Lee, PE or
Mr. Carlos Ortiz, PE, TE, PTOE
949.861.4999
www.advantec-usa.com

Offices Locations:

Irvine, Diamond Bar, Ontario, Palmdale, Oakland, San Diego (Fall 2016)

We like to introduce our new senior leader to the ADVANTEC Team

Mr. John Dorado, PE



CITY OF RIVERSIDE | Beyond Traffic: The Smart Transportation Challenge Grant Application

THIS INTERSECTION IS A LOT SMARTER THAN IT LOOKS.



To get smart with us, look at www.sensysnetworks.com/sensmetrics

Smart Cities are built on a foundation of accurate, actionable data.

SensMetrics makes Smart Cities possible. How? By continuously capturing and analyzing uniquely detailed performance measures - data previously limited to inefficient traffic studies every few years. Our data platform provides precise, on-demand signal re-timing plans and even tracks red light and speed violations. The result? Now you can easily optimize your intersections and corridors as often as you want.

Smart Cities are already here. All you need is a browser (and some incredibly accurate sensors and intelligent data analytics behind the scenes.)



2015 -2016 Sponsors

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

<u>Meeting Date</u>	<u>Newsletter Sponsors</u>	<u>Lunch/Meeting Sponsors</u>
September 24, 2015	Kimley-Horn and Associates, Inc. Transpo Group	      
October 22, 2015 Joint Meeting—ITE SoCal	Albert Grover & Associates DKS Associates	
January 28, 2016	Counts Unlimited Iteris	
February 25, 2016 Joint Meeting—ITS CA	HDR Irvine Global Consulting	
March 24, 2016	Advantec Consulting Engineers, Inc. Sensys Networks	
April 28, 2016	KOA Corporation W.G. Zimmerman Engineering, Inc.	
May 6, 2016	OCTEC ITE Golf Tournament (Green River Golf Course)	
May 18, 2016	SoCal ITE/OCTEC Student Night (Knott's Berry Farm Resort Hotel)	
June 23, 2016	Kunzman Associates, Inc. Stantec	

For more information and sponsorship opportunities, please contact Vikas Sharma at (213) 261-4050 or vikas.sharma@kimley-horn.com

OCTEC 2015 -2016 Officers



Ed Alegre, President

Los Angeles County Metropolitan
Transportation Authority (Metro)
One Gateway Plaza
MS: 99-22-9
Los Angeles, CA 90012
phone: (213) 922-7902
AlegreE@metro.net



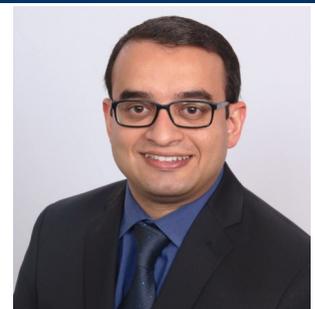
Keith Rand, Secretary

AECOM
901 Via Piemonte, 5th Floor
Ontario, CA 91764
phone: (909) 568-1538 cell
keith.rand@aecom.com



Eric Loke, Treasurer

City of Newport Beach
100 Civic Center Drive, Bay 2D
Newport Beach, CA 92660
phone: (949) 644-3336
eloke@newportbeachca.gov



**Vikas Sharma,
Sponsorship/Membership
Coordinator**

Kimley-Horn
660 South Figueroa Street, Ste 2050
Los Angeles, CA 90017
phone: (213) 261-4050
vikas.sharma@kimley-horn.com

I am thankful to my Section and the District Board for their confidence in me and for selecting me as a candidate for Western District Secretary–Treasurer. I am excited to continue serving our members and hope to receive your support. ITE has been an integral part of my career and I hope to help make our organization accessible for others.



GOALS

- Better communication between Section and District leadership
- Continue to finalize current District Board initiatives and implement guidance.
- Engage the next generation of engineers and planners – younger member recruitment & retention – growth of Annual Meeting programs for young professionals.

SECTION/DISTRICT INITIATIVES

- SoCal Section Student Traffic Bowl (now in its 7th year)
- Joint (SoCal, RSBITE, and OCTEC) Holiday Mixer Casino Night (now in its 3rd year)
- Western District Annual Meeting Career Guidance Sessions (now in its 3rd Year)



RECOGNITION

- SoCal Section Young Transportation Engineer of the Year 2010
- Western District Young Professional Achievement Award 2015
- ITE International Rising Star Class of 2015



ITE LEADERSHIP ROLES

- UC Irvine Student Chapter President (2007)
- SoCal Section Student Chapter Liaison (2008–2012)
- District Student Traffic Bowl Aid (2011, 2014 – now)
- Southern California Section Board (2012–serving as Past President)



- District Student Endowment Fund Volunteer (2012 – now)
- District MiteY Race

- Coordinator (2012 – now)
- District Career Guidance Chair (2012 – now)
- International Young Member Committee (2014 – now)
- International Local Arrangements Committee Member (2016)
- Co–Chair for the potential 2020 District Annual Meeting in Hawaii

<https://www.facebook.com/NeelamforITE/>

ITE Western District Candidate



Neelam Dorman
Secretary-Treasurer



JONATHAN HOFERT

PE | TE | PTOE

I am honored and excited to be selected as a candidate for ITE Western District Secretary-Treasurer. This is an exciting time to be in the transportation profession: The industry is changing rapidly, and with it comes many opportunities to make ITE better. I will help the District seize those opportunities. I believe we can do this by having a “Four M” approach: How ITE will Move and Manage More Modes to be in front of the cutting edge. I will promote ITE as the organization with the most innovative membership, on the cutting edge of engineering and transportation.



HofertITE2016.org

HIGHLIGHTS OF MY ITE EXPERIENCE

- // Riverside San Bernardino Section
2nd Past-President, and current
Webmaster Chair
- // Southern California Section
Sponsorship Chair
- // Western District Young Professional Achievement
Award Recipient, 2013
- // Published article in WesternITE Newsletter
- // Attendee, Presenter and Moderator at Western
District Annual Meetings
- // Presenter at Cal Poly Pomona ITE student chapter
meetings
- // Lecturer at Cal Poly Pomona

EXPERIENCE

- // 13 Years Professional Experience
- // LA Metro
- // Parsons Brinckerhoff
- // RBF Consulting
(now Michael Baker International)

PROFESSIONAL LICENSES

- // PE Civil, California
- // TE, California
- // PTOE
- // Served as intern for 1 year at RBF and 3 years at
City of Corona

GOALS AS SECRETARY/TREASURER

- // Continue to practice Fiscal Responsibility and find opportunities to reduce costs.
- // Promote ITE to Young Engineers and Planners on the benefits of ITE
- // Promote the Student Endowment Fund, as it is the foundation to attracting future members.
- // Increase Agency involvement by Promoting ITE Agency Membership and its benefit.
- // Provide easy access to data, and identify data that ITE members are searching for.
- // Work with ITE International to develop an Innovations Task Force Committee to assist Agencies on implementing pilot projects.
- // Promote TPCB certifications to Agencies on benefits to their planning and engineering projects.
- // I look forward to a successful 2016 and beyond for the Western District.

Jonathan Hofert, PE, TE, PTOE

LA Metro

Senior Engineer, Program Management
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- // metro.net
- // [facebook.com/losangelesmetro](https://www.facebook.com/losangelesmetro)
- // [@metrolosangeles](https://twitter.com/metrolosangeles)

Metro provides excellence in service and support

