

## October Presentation: Impacts of Connectivity in Transportation By Alan Clelland, Interis, Inc.

The enabling of new mobility services through the convergence of personal and device connectivity, is providing both opportunities and challenges to the transportation professional in areas of planning, infrastructure design and operations. This presentation provides examples of the potential impact of such connectivity on transportation with the goal of helping awareness of issues likely to be confronting many of us in the profession in the near future.

### President's Address

Dear OCTEC Members,

*I would like to thank our members that made it to our September meeting. It was a great turn out with almost 100 attendees. I am hoping for the same attendance throughout this year. Our September speaker, Matt Ginsberg, gave a great presentation on Connected Signals, and how signal timing data can be integrated and be used by drivers to improve mobility, safety, and air quality.*

*This month, we had our annual Fall Social Mixer at D&B's in Orange. Again, another great turn out with over 50 attendees gathering together for an evening of food, drinks, conversations, and games. I would like to thank our main sponsor Counts Unlimited for helping out with food/drinks. We had several raffle sponsors, and would like to thank Advantec, Albert Grover and Associates, DDL Traffic, Econolite, ITS-CA, Kimley-Horn and Associates, KOA Corporation, MsiTec, and WGZE for providing great giveaways.*

*I am proud to announce our first Joint Meeting with the Institute of Transportation Engineers (ITE) Southern California this month. With ITE SoCal having their usual Orange County meeting this month and with overlap memberships with OCTEC, we are hoping that this Joint Meeting will be an annual event. We have Alan Clelland, Senior Vice President from Interis, presenting on "The Impacts of Connectivity in Transportation".*

*OCTEC will be going "dark" in November and December. Please look forward to our Joint Holiday Mixer with ITE SoCal and Riverside San Bernardino ITE on December 9th at Los Coyotes Country Club. Also, we will be opening our Membership Drive in December. For those registering early, you will be qualified for raffle prizes that we will be announcing at our January meeting.*

Thank you and Happy Holidays!

Regards,



Ed Alegre, OCTEC President 2015-2016



### OCTOBER MEETING OCTEC/ITE SoCal

October 22, 2015

11:30 AM to 1:00 PM

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

#### Lunch Fees:

\$20 (Early Bird) - 10/1—10/9 @ 5 pm

\$25 - 10/9—10/15 @ 3 pm

\$30 (Late) - 10/15—10/21 @ 5 pm

Pay At the Door: \$35

Students: \$15

Please register via Eventbrite at:  
<https://october-lunch-and-joint-meeting-with-ite-socal.eventbrite.com>

If you have any questions, please contact  
Vikas Sharma, at  
[vikas.sharma@kimley-horn.com](mailto:vikas.sharma@kimley-horn.com)

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

**Kimley»Horn**

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**SPEAKER BIOS****Alan Clelland, Iteris, Inc.**

Alan Clelland has served as Senior Vice President in the Transportation Systems division of Iteris since October 2007. Mr. Clelland has over 40 years of experience in transportation engineering and traffic control and management. Amongst other responsibilities he is actively involved in Iteris' Connected Vehicle activities.

He established the Los Angeles office for JHK and Associates (later TransCore) and was Project Manager for some of the most innovative ITS projects in Southern California including the City of Los Angeles ATSAC and Santa Monica Freeway Smart Corridor Systems. He was a partner in Gardner Systems until its acquisition by Siemens and then became Director of Consulting for the firm until joining Iteris.

Mr. Clelland is a past Chair of ITS California, serves as a Senior Advisor to the ITS California Board and is contributing to the Los Angeles Economic Development Corporation's' Autonomous Vehicle Initiative.

He has a BS degree in Physics and Electronic Engineering from the University of Leeds, England, is a registered electrical engineer in Europe and a certified Project Management Professional.

**OCTEC NEWS**

# SAVE THE DATE

## OCTEC/ITE SoCal/RSB ITE HOLIDAY MIXER!

Los Coyotes Country Club, Buena Park  
**Wednesday, December 9th starting at 5:30 PM**

Details to follow.

**<Sponsorship Opportunities Available>**

If you are interested in sponsoring the event, please contact Vikas Sharma or any Board member.

## JOB ANNOUNCEMENTS

### **RK Engineering Group, Inc.** **Traffic/Transportation Engineer**

RK Engineering Group, Inc. is looking for a Traffic/Transportation Engineer to join our Newport Beach Team. RK is a full service Traffic/Transportation and Environmental Engineering firm who serves both our Public and Private Sector Clients. Our firm has been in operation for the past 27 years and has a large array long standing clients. We are looking for a "Self-starter" who is interested in being part of the RK Team.

The ideal candidate will be a well-rounded Civil Engineer with 2-3 years' experience in traffic engineering, transportation planning and traffic operations. Experience in Environmental Engineering in the areas of air quality and acoustical engineering would also be desirable. The perspective candidate will have to have a knowledge of transportation planning, including traffic impact and parking studies. The candidate should be familiar with AutoCAD, Synchro, Traffix, HCS and other traffic engineering software tools. A familiarity with the California MUTCD and the California Vehicle Code is also desirable.

This is a technical working position. The position will require producing transportation analysis and engineering documents that are required by our clients. Good verbal and written skills are an important for this position.

The candidate will prepare technical analysis and studies as part of his/her work assignments. Some field work would be required to help support the various engineering studies. Presentations to our senior management will be an important part of the position.

RK offers a competitive salary and benefits package to our employees. If you are interested in looking for an opportunity to get on the ground floor of expanding our company's capabilities, please email your resume to:  
Rogier Goedecke, Vice President of Operations  
info@rkengineer.com

### **Albert Grover and Associates** **CAD Operators & Project Engineers**

Albert Grover & Associates, a Fullerton based Traffic Engineering Consulting firm, is seeking resumes from dedicated, responsible and motivated CAD Operators and Project Engineers. Please email your resumes to aga@albertgrover.com.

### **IBI Group** **Transportation Engineer**

IBI Group is searching for a Transportation Engineer to join their growing team either in Irvine or Los Angeles.

#### **Responsibilities**

- Assist the senior Project Planner/Engineer/Project Managers on transportation planning and preliminary design studies
- Support evaluation or assessments of transportation corridor alternatives, and transportation master plans for public agencies

- Prepare design concepts related to traffic impact, parking and traffic calming studies, active transportation projects, and traffic management plans
- Assist in development of conceptual or functional plans for transportation corridors and facilities, including highways, streets and transit
- Preparation of technical reports and documentation related to current or prospective projects
- Preparation of engineering drawings
- Working with a dynamic team from various offices on projects in Southern CA and across the Western United States

#### **Qualifications**

- Minimum of a Bachelor's degree in civil engineering, transportation engineering, or equivalent discipline
- 2-5 years' of experience in transportation engineering and design
- EIT or P.E. registration in California (or ability to obtain within 6 months of employment)
- Ability to plan, organize and coordinate work with project or study teams
- Knowledge of the transportation interactions with land use/urban design, the economy and environment
- Excellent report writing and oral communication skills
- Ability to create engineering plans and drawings using design and illustration software (AutoCAD/AutoDesk, MicroStation, Civil 3D, SketchUp, etc.)

### **LSA Associates, Inc.** **Transportation Planner/Engineer**

LSA's Irvine office is seeking a Transportation Planner/Engineer to perform technical analyses and prepare written reports for public- and private-sector clients. This position requires a working knowledge of HCM 2010 using software such as Synchro, HCS, and Traffix. Candidates should also demonstrate familiarity with general design sources such as AASHTO, Caltrans Highway Design Manual, and the Caltrans Highway Design Manual. Typical assignments include traffic impact analyses for public and private development projects, operational analyses for roadway improvement projects, and conceptual design of capital improvements. The position requires a bachelor's or master's degree in traffic engineering, transportation planning, urban planning, or a related field. The candidate should be a Registered Professional Engineer (PE) or Traffic Engineer (TE) with 3 to 5 years of experience in traffic engineering and/or transportation planning. Excellent organizational, written, and verbal communication skills are required.

LSA offers competitive pay; medical, dental, vision, LTD, long-term care, group life/AD&D insurance plans; vacation, sick, and holiday pay; an Employee Stock Ownership Plan; and a Profit Sharing and Savings Plan (with 401k and company match).

Please send a letter of interest and resume to:  
employment@lsa-assoc.com

## LOCAL AND REGIONAL NEWS

### 2015 FTIP Proposed Amendment #15-13 [\[CLICK HERE\]](#)

The Southern California Association of Governments is in receipt of the 2015 Federal Transportation Improvement Program (FTIP) Amendment #15-13 for Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties. The Public Review period starts on October 8, 2015 and will conclude at 5:00 p.m. on October 19, 2015.

A copy of the Project Listing is located on the SCAG FTIP website Proposed Amendment link at <http://ftip.scag.ca.gov/Pages/2015/proposed.aspx>.

Please note that some of the changes or project additions may be for projects funded with Federal Transit Administration (FTA) Section 5307 funds. This public involvement opportunity is provided to meet the public involvement requirements for the program of projects.

SCAG is relying on the public participation process for the FTIP to satisfy FTA public participation requirements for the transit program of projects.

Subject to revisions to address comments received during the public review period, the 2015 FTIP as revised by Proposed Amendment #15-13 will be the final program unless amended, and a final notice will not be published.

If you have any questions or comments concerning this amendment, contact Maria I. Lopez at (213) 236-1806 no later than 5:00 p.m. on October 19, 2015.

### CTC to Announce Active Transportation Program Awards [\[CLICK HERE\]](#)

Staff at the California Transportation Commission recently released their recommendations for the Statewide and Small Urban and Rural component of the 2015 Active Transportation Program (ATP). Approximately \$83.9 million was recommended for projects within the SCAG region, out of a total of \$180 million over a three-year period (FY 2017 - 2020). The California Transportation Commission is expected to approve the staff recommendations on Oct. 21. Projects that were not selected in this first round are eligible for second-round funding at the Metropolitan Planning Organization (MPO) level. The SCAG region receives \$76.2 million as part of this component and SCAG's Regional Council is scheduled to review and approve the MPO component project list in January 2016. For additional information on the ATP, visit [www.catc.ca.gov/programs/ATP.htm](http://www.catc.ca.gov/programs/ATP.htm). For questions related to current and future active transportation funding, please contact Stephen Patchan at [patchan@scag.ca.gov](mailto:patchan@scag.ca.gov).

### Tech Transfer Courses

Classes through April 2016 now open for enrollment

[TE-42 Multimodal Transportation Impact Analysis](#)

January 27-28, 2016

Costa Mesa

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

March 8-10, 2016

Los Angeles

[TE-13 Synchro and SimTraffic](#)

March 15-16, 2016

Costa Mesa

### September Lunch Meeting Summary

Our guest speaker at the 2015-2016 kick-off meeting was Mr. Matthew Ginsberg who gave a great presentation on Connected Signals, which was attended by nearly 100 people.

Mr. Ginsberg explained that Connected Signals gets real-time traffic light data into cars from approximately 10,000 signalized intersections worldwide in about 100 towns & agencies; he indicated that the City of Arcadia is a partner and the City of Pasadena will be soon. His discussion included some of the issues that govern their relationships with municipal partners, and provided examples of the benefits of making real-time traffic light information available to drivers. He also provided information on the Enlighten app that's available for download on any smart phone.

One primary focus of the presentation and the benefit of Connected Signals is on driver safety. Mr. Ginsberg explained that providing the real-time data to motorists has shown a reduction in driver distraction, reduction of vehicles speeding through intersections, and a reduction of red light running vehicles. Additional benefits include improvements in mobility, fuel consumption, carbon reduction and air quality.





## MORE NEWS



**Photos from OCTEC Fall Mixer**

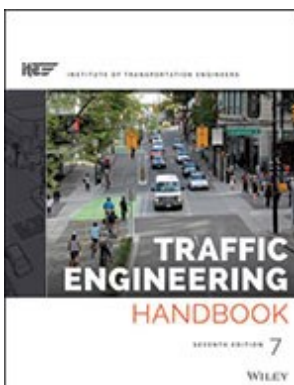
**Looking for Job Opportunities, Have Job Opportunities, Want to get the latest newsletter?**

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

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

### **Traffic Engineering Handbook, 7th Edition** [\[CLICK HERE\]](#)

**PRESALE — PUBLICATION WILL BE AVAILABLE IN DECEMBER 2015**



Traffic Engineering Handbook, Seventh Edition is a newly revised text that builds upon the reputation as the go-to source of essential traffic engineering solutions that this book has maintained for the past 70 years. The updated content reflects changes in key industry standards, and shines a spotlight on the needs of all users, the design of context-sensitive roadways, and the development of more sustainable transportation solutions. Additionally, this resource features a new organizational structure that promotes a more functionally-driven, multi-modal approach to planning, designing, and implementing transportation solutions.

- Explore the fundamental concepts of traffic engineering as they relate to operation, design, and management
- Access updated content that reflects changes in key industry-leading resources, such as the Highway Capacity Manual (HCM), Manual on Uniform Traffic Control Devices (MUTCD), AASHTO Policy on Geometric Design, Highway Safety Manual (HSM), and Americans with Disabilities Act
- Understand the current state of the traffic engineering field
- Leverage revised information that homes in on the key topics most relevant to traffic engineering in today's world, such as context-sensitive roadways and sustainable transportation solutions

Traffic Engineering Handbook, Seventh Edition is an essential text for public and private sector transportation practitioners, transportation decision makers, public officials, and even upper-level undergraduate and graduate students who are studying transportation engineering.



## THIS MONTH'S NEWSLETTER IS SPONORED BY

# ALBERT GROVER & ASSOCIATES

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FAX: (714) 992-2883  
E-mail: [aga@albertgrover.com](mailto:aga@albertgrover.com)  
Web Site: [albertgrover.com](http://albertgrover.com)

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



**DKS**



## Join Our Team

*We are looking for people with a passion for results.*








Our shared passion is to plan, build, manage and operate viable transportation systems through collaboration, innovation, and a community-minded approach. We envision a future filled with innovation and technological advances that make our cities livable and our transportation networks smart, safe and reliable. Check out our website @[www.dksassociates.com](http://www.dksassociates.com)

Contact: Jeff Heald | 714.597.8070 | [jbh@dksassociates.com](mailto:jbh@dksassociates.com)



## 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	HDR Irvine Global Consulting	
March 24, 2016	<Sponsorship Available> <2nd Sponsorship Available>	
April 28, 2016	<Sponsorship Available> <2nd Sponsorship Available>	
May 6, 2016	OCTEC/SoCal 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	

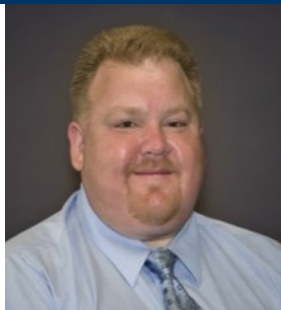
For more information and sponsorship opportunities, please contact Vikas Sharma at (213) 261-4050 or [vikas.sharma@kimley-horn.com](mailto:vikas.sharma@kimley-horn.com)

## OCTEC 2015 -2016 Officers



**Ed Alegre, President**

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Transportation Authority (Metro)  
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Los Angeles, CA 90012  
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[AlegreE@metro.net](mailto:AlegreE@metro.net)



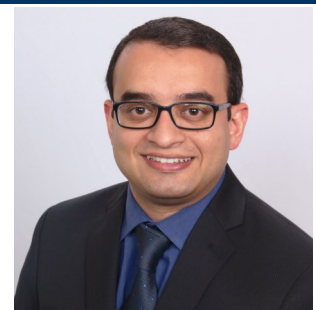
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