

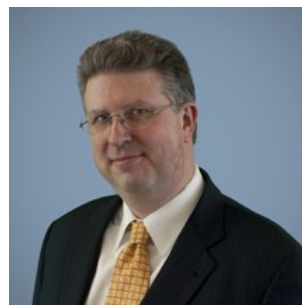
**June Presentation:**  
**Southern California's Freight Advanced Traveler Information System (FRATIS)**  
*Christopher Hedden, Cambridge Systematics, Inc.*

The Freight Advanced Traveler Information System (FRATIS), is a highly successful technology goods movement test sponsored by USDOT in the Ports of LA and Long Beach will be the topic of this presentation. The primary function of FRATIS is to improve the information sharing between port trucking companies and intermodal terminals. FRATIS focuses on improving trucking fleet productivity through optimization planning for container pickups and deliveries at port terminals, empowering dispatchers with real-time information for faster and better decisions, and dynamic routing of drivers to avoid heavy traffic, incidents and congestion. It has recently successfully completed its first phase and is expanding its use in the port area with a second phase.



*About our Speaker*

**Chris Hedden** is Principal with Cambridge Systematics with over 25 years in the areas of ITS and operations planning, and design. He is currently project manager for LA Metro and Gateway Cities Council of Government's Strategic Transportation Plan and Technology Plan for Goods Movement - which laid the foundation for the FRATIS test in the Southern California region. He is a graduate of George Mason University in Virginia.



**JUNE MEETING**

**June 25, 2015**

11:30 AM to 1:00 PM

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

**Lunch Fees:**

**Members:** \$20 (Early Bird\*),  
 \$25 (Late Registration)  
**Non-Members:** \$25 (Early Bird\*),  
 \$30 (Late Registration)  
**At the Door:** \$30  
**Students:** \$15  
*\*Early Bird Registration ends at 5:00pm on 6/18/2015\**

Please register via Eventbrite at:  
<https://octec-jun2015.eventbrite.com>

If you have any questions, please contact  
 Eric Loke, at  
[eloke@newportbeachca.gov](mailto:eloke@newportbeachca.gov).

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



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## PRESIDENT'S ADDRESS

Fellow Members,

Even though four years feels like a long time, such as high school, college, or serving as President of the United States of America, my time on the much coveted OCTEC Board is already coming to an end. I will continue on as first and second Past President, but nothing compares to sweating another OCTEC event making sure that our members are receiving all the benefits they've so rightfully earned.

I want to thank everyone who participated in OCTEC this year, from simply showing interest through LinkedIn to actively participating in each event we've held, especially those who contributed your time and efforts. We started our 55th year optimistic with a goal to get more member participation, especially by creating sub-committees that will provide potential OCTEC leaders with an opportunity to get involved. I look forward to seeing these committees grow and take a larger role in OCTEC.

I am most excited about OCTEC 2015/2016, which will continue to showcase the influence our members have on this organization and the growth that we've experienced these past few years. Let's all give ourselves a pat on the back for another successful year and prepare for many more to come.



Alicia Yang



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## CALL FOR ABSTRACTS

If you are interested in being a presenter at one of our upcoming OCTEC Meetings, the OCTEC Board is requesting abstracts from transportation professionals in the industry. Abstracts should be one to two paragraphs long and include 1) Title of Presentation, 2) Summary of Presentation, 3) Area of Expertise, 4) How would the presentation benefit OCTEC members. Presentations usually run from 20-30 minutes. The presentation shall not include any marketing material or sales pitch (vendor products or consultant services). For OCTEC Board Year 15/16, we will have 6 presentations and 1 panel series, still to be determined by the OCTEC Board.

Your Abstracts will help the OCTEC Board plan for upcoming meetings. First deadline for Abstracts are due **July 31, 2015 by 5:00pm**. We will continue to accept abstracts after this date, but there is no guarantee for consideration depending on the number of Abstracts we receive.

Please email Ed Alegre at ([alegree@metro.net](mailto:alegree@metro.net)) with your Abstracts or with any questions.

## OCTEC/SOCAL ITE GOLF TOURNAMENT

On May 8th, OCTEC and SoCal ITE hosted its Annual Golf Tournament at Green Hills Golf Course in Corona. While the weather was not as great as past years, over 100 transportation professionals came out to take part of the event. We would like to thank our Sponsors for the event, participants, and volunteers that made this yet again a successful event.

A special and big thanks to our Golf Tournament Chairs, Ron Keith and Jim Sommers, for their hard work in putting this together. Their efforts raised money that went towards the ITE/OCTEC Student Awards Night, and future student scholarships.



## OCTEC/SOCAL ITE STUDENT NIGHT

OCTEC and ITE SoCal held a joint meeting on May 20, 2015 for the annual Southern California Student Presentation Night with over 100 attendees, including all seven ITE SoCal Student Chapters representing universities from Cal Poly Pomona (CPP), CSU Fullerton (CSUF), CSU Los Angeles (CSULA), CSU Long Beach (CSULB), UC Irvine (UCI), UC Los Angeles (UCLA), and University of Southern California (USC).

Presentations were prepared and delivered from each student team that covered transportation and traffic related topics including Intelligent Transportation Systems (ITS), traffic engineering design and analysis, alternative transportation modes such as bicycles, rail and transit, along with various design alternatives, cost estimates and recommendations.

The CSULB team began the evening of presentations on bicycle safety along corridors within the City of Long Beach. They conducted a focused study on bike lane improvements and safety that provided recommendations on adding Class II bike lanes and bike boxes at select intersections.



The UCI team provided a more ITS approach on bicycles, and presented an evaluation and case study on various bicycle detection systems at signalized intersections, including detector loops, radar and video. They worked with the City of Anaheim to survey users with the objective to better integrate bicycling into the existing transportation network.

The CSUF team presented on a restriping and lane modification project that included physical improvements, and an engineering cost-estimate to implement the proposed improvements.



The UCLA team presented on a traffic impact analysis along with proposed mitigation measures in West Los Angeles. The presentation included a Synchro and Vissim analysis of the project, and a discussion on how to accommodate additional traffic entering the area due to proposed developments.

CSULA's presentation focused on an interconnector regional rail project at the Los Angeles Union Station that would improve transit travel and reduce stop times. The team proposed alternative vertical and horizontal alignments that include spans over the existing elevated busway and freeway while considering the civil, roadway, and rail aspects of construction and feasibility.



## OCTEC/SOCAL ITE STUDENT NIGHT

The Cal Poly Pomona team presented on a roundabout conversion of a signalized intersection. This project included a summary of the geometric design alternatives considered along with signing and striping plans, and an engineering cost-estimate.

The USC student team concluded the night with their presentation of the campus cruiser service for students. Their presentation covered a “heart-felt” project that was inspired by one of its very own team members. Their idea creates a service without a fixed route to allow students to get to and from destinations, especially late at night when safety is a concern.

Each Student Chapter was awarded for preparing a presentation at the event. Ultimately, CSULA’s exciting presentation topic and professional ability to answer technical questions led them to First Place for the night. Second and third place went to Cal Poly Pomona and UCI, respectively. Between OCTEC and ITE SoCal, over \$10,000 was awarded to the seven student chapters. Additionally, ITE SoCal presented the 1st and 2nd place awards (over \$2,500) from the Traffic Bowl to the ITE SoCal student chapter winners. These awards help support the Student Chapters and assist with their annual programming activities and attendance at annual conferences.

*Article Provided By: Keith Rand, OCTEC Treasurer; Panayiota Georgalis and Clinton Quon, SoCal ITE Scribes  
Photos By: Eric Shen, USDOT*



**FUTURE TRANSPORTATION EVENTS**

**2015 ITE WESTERN DISTRICT MEETING**

**JOIN US  
IN FABULOUS  
LAS VEGAS**

**LOCATION:**  
Planet Hollywood  
Resort, Las Vegas

**DATE:**  
July 19 – 22

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**VENDOR INFORMATION\***

- Booth Fee: \$1,850
- 8'x10' booth
- Recognition during opening sessions and lunches
- Booth selection is first come, first serve
- Register online at [lvite2015.com](http://lvite2015.com)

\*Contact Alyssa Reynolds Rodriguez ([ar9901@yahoo.com](mailto:ar9901@yahoo.com), 702-633-1224) for more information.

**SPONSOR INFORMATION\***

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|-------------------------------|--------------------------------|
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| » Student Program: \$500      | » Family Night: \$750          |
| » Traffic Bowl: \$500         | » Speaker Gifts: \$600         |
| » Luncheon: \$500             | » MiteY Race: \$500            |
| » Break: \$500                | » Lanyards: \$500 + production |
| » Registration Gift: \$800    | » Badges: \$500 - Sold         |
| » Get Acquainted Event: \$750 |                                |



[www.lvite2015.com](http://www.lvite2015.com)



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**2014 -2015 Sponsors**

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

**Meeting Date**

**Newsletter Sponsors**

**Lunch/Meeting Sponsors**

**September 25, 2014**

Kimley–Horn and Associates  
DDL Traffic, Inc.



**October 23, 2014**

SummitCrest  
Iteris



**January 22, 2015**

KOA Corporation  
Hartzog & Crabill, Inc.



**February 26, 2015**

FPL and Associates, Inc.  
Econolite



**March 26, 2015**

Albert Grover and Associates  
Advantec



**April 23, 2015**

WGZE  
Trafficware

**May 20, 2015**

SoCal ITE/OCTEC Student Night  
(Knott’s Berry Farm Hotel)

**June 25, 2015**

Kunzman Associates, Inc.  
iPOTrex Infrastructure



*For more information and sponsorship opportunities, please contact Eric Loke at (949) 644-3336 or [eloke@newportbeachca.gov](mailto:eloke@newportbeachca.gov)*

**OCTEC 2014 -2015 Board**



**Alicia Yang, President**

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phone: (949) 270-9693  
[axy@iteris.com](mailto:axy@iteris.com)



**Ed Alegre, Secretary**

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**Eric Loke, Sponsorship/  
Membership Coordinator**

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[eloke@newportbeachca.gov](mailto:eloke@newportbeachca.gov)





# Exhibitor space for the 2015 ITS California Annual Meeting is over 2/3 full!

Secure your booth space today! – [Register Here](#)

Reserve your discounted LAX Hilton hotel room – [Book Here](#)

Sign up now for Technical Tours! – [Register Here](#)

Port of Long Beach Boat Tour – Get an up close view from the water of the largest Port complex in the nation, and learn what is involved in terminal operations and how \$140 billion worth of cargo moves through the Port onto rail and trucks to supply our country with everything from clothing & furniture to machinery & petroleum. **Cost: \$25**



Los Angeles World Airport Department Operations Center – Tour the Airfield and Department Operations Center and learn the use of ITS technologies and how passenger cargo transportation infrastructure works for the Southern California region, state, nation & the world. **Cost: FREE!**

Meeting registration required to sign up for Tours.

Early bird attendee registration ends July 31<sup>st</sup> – [Register Now!](#)



Please visit [www.itscalifornia.org](http://www.itscalifornia.org) for more information



## Two New “Blended” Online Courses

By: Jesse Glazer – FHWA; SoCal Office  
May 7, 2015



I believe that “Blended” online training is the most effective form of distance learning. It is a combination of independent study via a website (at your own pace and place), plus periodic “class meetings” (webinars) with the instructor to answer questions, share experiences, and explore new ideas. Thanks to a special subsidy by USDOT, two such courses will begin soon – **free to public agencies!** And they offer CEUs!

If you take either course, please tell me your opinion afterwards – [Jesse.Glazer@dot.gov](mailto:Jesse.Glazer@dot.gov) .

May 15 - June 17, 2015: **Traffic Signal Timing** (1.0 CEU)

This course provides students with an understanding of both the theory and practice of traffic signal timing and its impact on traffic operations. It gives students an overview of the terms associated with signal timing; discusses the concepts of cycle length, split, offset, midblock friction, phase sequences, the signal timing process, and signal timing optimization; and looks at the types of actuated controllers, passage time, extension, and the coordination of actuated and pre-timed controllers.

**Instructor:** Kevin Lee, P.E., PTOE, Kittelson & Associates

For more information: <http://www.citeconsortium.org/course/traffic-signal-timing-blended/>

Click here to register <http://www.citeconsortium.org/registration/>

June 5 - July 23, 2015: **Fundamentals of Database Management Systems** (1.0 CEU)

This course emphasizes the importance of database design, use, and management to ITS; provides a general description of databases and database management systems; discusses relational database tables, E-R Models, and the role of metadata; describes SQL; and explores the role of databases in data warehousing and GISs.

**Instructor:** Brian L. Smith, P.E., F.ASCE, Chair, Dept. of Civil Engineering, Univ. of Virginia

For more information:

<http://www.citeconsortium.org/course/fundamentals-of-database-management-systems-blended-version>

Click here to register: <http://www.citeconsortium.org/registration>

All course materials are on-line but students have access to course instructors through pre-scheduled conference calls. **Cost is \$250 each; FREE for U.S. local, state, regional, and Federal government agencies!** - use sponsor code **PCB** in the payment section when you register @ <http://www.citeconsortium.org/registration> . For more information, contact Denise Twisdale ([mztwiz@umd.edu](mailto:mztwiz@umd.edu)) or Kathy Frankle ([kfrankle@comcast.net](mailto:kfrankle@comcast.net)).

***Please forward this announcement to colleagues who may be interested.***

Thank you.

ITS PCB Program, T3 Webinars  
ITS Joint Program Office  
U.S. Department of Transportation  
[www.pcb.its.dot.gov](http://www.pcb.its.dot.gov)



# ITS and Transportation Operations: Education & Training Opportunities

by Jesse Glazer, FHWA California

Last updated: May 1, 2015



## Courses, Books, Workshops and Webinars:

### **ITS e-Primer**

The ITS ePrimer is both a stand-alone reference document for the ITS practitioner as well as a text for education and training programs. **Free download!** <http://www.pcb.its.dot.gov/eprimer.aspx>

### **USDOT PCB – Professional Capacity Building**

The PCB program offers classes, webinars, and certificate programs, many thru CITE & ITE (below).  
See: <http://www.pcb.its.dot.gov/>. You can also view past webinars from the “T3 Archive” at any time.  
See: [http://www.pcb.its.dot.gov/t3\\_archives.aspx](http://www.pcb.its.dot.gov/t3_archives.aspx)

### **CITE – Consortium for ITS Education**

CITE offers over 30 web-based and “blended” courses, plus three certificate programs. CEU’s too!  
See: <http://www.citeconsortium.org/> **\*\*\* NOW FREE TO ALL PUBLIC AGENCIES! \*\*\***

### **NHI – National Highway Institute**

NHI offers classes at locations around the country, plus webinars on ITS and many other subjects.  
For classes: [http://www.nhi.fhwa.dot.gov/training/brows\\_catalog.aspx](http://www.nhi.fhwa.dot.gov/training/brows_catalog.aspx) then select Program Area “ITS”.  
For webinar archive: <http://www.nhi.fhwa.dot.gov/about/realsolutions.aspx>

### **NTI – National Transit Institute**

NTI offers several ITS-Transit classes nationwide, plus teleconference sessions and other resources.  
[http://www.ntionline.com/courses/list.php?program\\_id=3](http://www.ntionline.com/courses/list.php?program_id=3)

### **ITE – Institute of Transportation Engineers**

ITE offers online courses, webinars and certificate programs: <http://www.ite.org/learninghub/default.asp>  
ITE developed a very comprehensive series of webinars on *ITS Standards*. Check it out!

### **ITSA – Intelligent Transportation Society of America**

ITSA holds annual conferences and conducts webinars periodically.  
See events calendar and webinar archive at: <http://www.itsa.org/events/>

### **ITS California** (the California Chapter of ITS America)

ITS-CA conducts in-depth technical workshops on a variety of ITS topics every few months, sometimes as “brown-bag lunch,” at various locations. Membership is not required to attend.  
See: [www.itscalifornia.org](http://www.itscalifornia.org) for the Events Calendar and for further info about ITS California.

### **TRB – Transportation Research Board**

TRB offers webinars on various transportation topics, plus a great e-newsletter.  
Subscribe to e-newsletter at: <http://www.trb.org/Publications/PubsTRBENewsletter.aspx>  
or search TRB publication archives at: <http://www.trb.org/Main/Public/Blurbs/154903.aspx>

## MIT - Massachusetts Institute of Technology – *Open Courseware*

Go to: <http://ocw.mit.edu> then do a *search* for “Intelligent Transportation Systems” (include the “ marks)

## UCB/TT – U.C. Berkeley Tech Transfer

Classroom and (some) online training on a wide range of traffic engineering and planning topics.

See: <https://registration.techtransfer.berkeley.edu/ShowSchedule.awp> and look for “TE-” course codes.

## Electronic Newsletters with ITS and Operations Content:

- **Transportation Communications Newsletter (TCN).**

To subscribe, or to view TCN Archives, see: <http://groups.yahoo.com/group/transport-communications>

- **National Transportation Operations Coalition - “Talking Operations”**

Subscribe at: <https://ntoctsl.groupsie.com/login>

## Libraries and Websites with Extensive ITS and Operations Content:

- **USDOT National Transportation Library** – Contains thousands of ITS research studies, project reports, and other documents from across the nation. See: <http://www.its.dot.gov/library.htm>

- **U.C. Berkeley, Institute of Transportation Studies Library** – An excellent research library with international materials, plus electronic links to other major transportation libraries. See: <http://library.its.berkeley.edu/about>

- **USDOT ITS Joint Programs Office (JPO) Website**

Describes the USDOT ITS research and implementation program, including **Connected Vehicles**, plus links to many resources that will be useful in planning and deployment of ITS projects. <http://www.its.dot.gov/>

- **ITS Projects: Benefits, Costs, Lessons Learned, and Deployments Nationwide**

What are the **benefits** of specific types of ITS projects? <http://www.itsbenefits.its.dot.gov/>

What are the **costs** of specific types of ITS projects? <http://www.itscosts.its.dot.gov/>

What are the **lessons learned** from specific ITS projects? <http://www.itslessons.its.dot.gov/>

What **ITS has been deployed** in other states and cities? <http://www.itsdeployment.its.dot.gov/>

- **ITS Architecture Website**

Info on National and Border ITS Architectures, and more, at: <http://www.its.dot.gov/arch/index.htm>

- **ITS Systems Engineering (S.E.) Publications**

S.E. *Handbook* – a good introduction. <http://ops.fhwa.dot.gov/publications/seitsguide/index.htm>

S.E. *Guidebook* – a more comprehensive “how to” guide. <http://www.fhwa.dot.gov/cadiv/segb/>

- **ITS Standards Website**

In-depth info on status, training and content of ITS standards. <http://www.standards.its.dot.gov/>

- **Fun and (Educational) Games!**

“Gridlock Buster” is an engaging video game for teens and post-teens that teaches traffic control concepts/skills.

Developed by the Univ. of Minnesota, ITS Institute. <http://www.its.umn.edu/GridlockBuster/>

- (more to come!)

**Please help expand this list! Send other resources to: [Jesse.Glazer@dot.gov](mailto:Jesse.Glazer@dot.gov)**



# Michael Plotnik, TE

## OCTEC Sponsorship/Membership Coordinator Candidate

**It is a privilege and an honor to be nominated to serve on the OCTEC Board as Sponsorship/Membership Coordinator.**

### ***Education***

- **MS** Civil Engineering, CSU Long Beach
- **BS** Civil Engineering, CSU Long Beach
- Registered Traffic Engineer

### ***Experience***

- **12** Years of Professional Experience in Traffic Engineering
- Project Management
- ITS/Integration
- Engineering Design

Being an active member for only a year now, I have really come to appreciate the close-knit group of members which comprises OCTEC. I always do my best to give back, especially when a great organization, like OCTEC, has already done so much for me. As Sponsorship/Member Coordinator, I will do my best to bring in additional funding so we can all enjoy the events that we've all become accustomed to and attract new members and spread the word about how this is such a great organization. Vote for me because you want someone with the leadership, experience, and knowledge to help make OCTEC the great organization that it is.



## Vikas Sharma, P.E.

### *OCTEC Sponsorship/Membership Coordinator Candidate*

**It is an honor to be nominated to serve on the OCTEC Board as membership/sponsorship coordinator.** Over the past several years, I have had the privilege of working with several local agencies in Orange County and have been a committed member of OCTEC. I have also been an ITE member since the beginning of my career and have been the ITE Social Chair as the Webmaster since 2012. I have followed a career path that keeps me tightly connected to undergraduate and graduate engineering students at local schools. Last year, I joined the Civil Engineering Department at California State University at Fullerton as a faculty member, where I enjoy teaching courses on transportation engineering, traffic operations, and transportation planning. Through all these experiences, I have come to appreciate the many challenges that we face at various levels, especially the junior engineers transitioning from school to their professional life. Throughout my association with OCTEC, I have been greatly impressed by our members and the quality of events, and I would like to take more responsibility to further serve this organization.

**As your next membership/sponsorship coordinator,** I will focus on increasing our membership pool, including the student members, that would help with educating and engaging students in professional activities outside of the coursework. I will strive to increase our sponsorship pool by leveraging my industry contacts which extend throughout Orange County and L.A. County. I will also strive to increase OCTEC's partnership with other local professional organizations such as ITE Social. We could collaborate on events like the annual student presentation night where, under the leadership of previous and current Board members, scholarships giveaways have reached a record high. My background, education, and experience in administration and leadership have prepared me to be an effective member of the OCTEC Board.

**On a final note,** I want to affirm that I will have the resources and availability to fully commit to my responsibilities as your membership/sponsorship coordinator as Kimley-Horn leadership fully encourages active involvement in local professional organizations such as OCTEC. I am immensely grateful for this nomination and eager to serve when elected.

#### Highlights:

- Master of Science, Civil Engineering, Pennsylvania State University
- 9 years of Professional Experience
- Registered Traffic Engineer in California
- Faculty Member at CSU Fullerton Civil Engineering Department
- OCTEC Member for 6 years
- ITE Member for 7 years

**Kimley»Horn**

D: 213-261-4050

[vikas.sharma@kimley-horn.com](mailto:vikas.sharma@kimley-horn.com)

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**OCTEC**  
Orange County Traffic Engineering Council