2014 Annual Meeting & Exhibit
August 10 – 13 (Exhibit Dates: August 11 & 12)
Sheraton Seattle and Washington State Convention & Trade Center • Seattle, WA
THE ONE-STOP-SHOP FOR TRAFFIC SOLUTIONS THAT ENABLE HEALTHY LIFESTYLES & IMPROVE QUALITY OF LIFE LET’S KEEP OUR COMMUNITIES MOVING IN THE FAST LANE

Follow the Signs: Econolite Group is committed to employing advanced technologies that reduce traveler time, ease congestion, enhance transit operations, provide safer mobility, and improve quality of life.

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technologies that reduce traveler time, ease congestion, enhance transit operations, provide safer mobility, and improve quality of life.

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The technical content of this conference meets most state and provincial registration board requirements for P.E./P. Eng. licensure, Professional Traffic Operations Engineer® (PTOE), Traffic Operations Practitioner Specialists® (TOPS), Professional Transportation Planner® (PTP), and Traffic Signal Operations Specialist® (TSOS) certification renewals and Florida Board of Professional Engineers (EXP0003871).

To successfully earn PDH/IACET CEU for sessions, tours, and/or executive summaries, you must complete an online PDH tracking form and conference evaluation. The online form will be emailed to registrants after the conference and posted on the ITE homepage. Be sure to update your ITE member profile with your current email address to ensure receipt.

- Technical Sessions: 1 PDH per hour of attendance or presentation; 1 CM per hour of attendance or presentation (on select sessions).
- Technical Tours: 1 PDH per hour of attendance.
- Executive Summaries: 10 PDH per summary.

As an additional service, ITE hosts the Professional Competency Record Keeping System on its website at www.ite.org/pdrks. The transcript created by the system conforms to the guidelines set forth by NCEES. This service will aid in the record keeping of all your professional development opportunities.

Please contact Nicola Tavares at +1 202-785-0060 ext. 155 or ntavares@ite.org if you have questions about this process.

Student Hospitality Room
Washington State Convention & Trade Center
Monday, August 11 & Tuesday, August 12, 8:00 a.m. - 6:00 p.m.
Room 613

Attention all ITE Student Members! Room 613 at the Washington State Convention & Trade Center is your room for impromptu gatherings and offers a great way to meet fellow students. Leave notes and share reflections on the meeting. On Tuesday, August 12, there will be a Traffic Bowl Team Meeting in Room 613 beginning at 1:30 p.m. Please note: The Student Hospitality Room is not officially staffed by ITE. Use the location to meet and greet, and come and go as you please.

Spouse Hospitality Room
Sheraton Seattle Hotel
Monday, August 11, 10:00 a.m. - 6:00 p.m.
Dashpoint Room

The Sheraton’s Dashpoint room is the perfect place to gather and make plans for the day. On Monday, August 11 (10:30 - 11:30 a.m.), join Lindsay Saeed, Convention Services Manager with Visit Seattle, for a fact-filled, one-hour presentation on all that our host city, Seattle, WA, has to offer! Lindsay will share a brief history summary, restaurant suggestions, and ideas on where to explore, shop, and relax! Free and fun! Please note: The Spouse Hospitality Room is not officially staffed by ITE. Use the location to meet and greet and come and go as you please!

For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
The Institute of Transportation Engineers would like to gratefully acknowledge the support of the following organizations.

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City of Tacoma
Stephanie S. Sullivan,
Transpo Group
Katherine Casseday,
Casseday Consulting
Yinhai Wang,
University of Washington
Katherine D. Davis,
Pierce County Public Works & Utilities

For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
## Technical Session Quick Grid

For the full agenda, see the program guide beginning on page 6. All technical sessions take place at the Washington State Convention & Trade Center.

***Sessions approved for AICP/Certification Maintenance

### Monday, August 11

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<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
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<tbody>
<tr>
<td>8:00 – 9:30 a.m.</td>
<td>Plenary Session, Room 6B, Washington State Convention &amp; Trade Center</td>
<td></td>
</tr>
<tr>
<td>10:30 a.m. – 12:00 p.m.</td>
<td>Roundabout Public Meeting*** Room 611-12</td>
<td>Room 607</td>
</tr>
<tr>
<td>1:30 – 3:00 p.m.</td>
<td>Roundabout Theatre-Real World Applications*** Room 611-12</td>
<td>Room 607</td>
</tr>
<tr>
<td>4:00 – 6:00 p.m.</td>
<td>Modern Roundabout Design Charrette*** Room 611-12</td>
<td>Room 607</td>
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### Tuesday, August 12

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<tr>
<td>8:30 – 9:30 a.m.</td>
<td>Plenary Session Room 6B Washington State Convention &amp; Trade Center</td>
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<tr>
<td>10:30 a.m. – 12:00 p.m.</td>
<td>Sustainable Traffic Signal Development Room 611-12</td>
<td>Room 609</td>
</tr>
<tr>
<td>2:00 – 3:00 p.m.</td>
<td>Transportation Authorization Policies and Perspectives Roundtable*** Room 609</td>
<td>Room 607</td>
</tr>
<tr>
<td>3:30 – 4:30 p.m.</td>
<td>Connected Vehicle on the Cheap: Using the Internet to Connect Vehicles to Traffic Signals Room 611-12</td>
<td>Room 609</td>
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### Wednesday, August 13

<table>
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<tr>
<th>Time</th>
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<tr>
<td>8:30 – 10:00 a.m.</td>
<td>Estimating Trips in Urban Contexts: Trip Generation Handbook (Pt. 1) Room 611-12</td>
<td>Room 607</td>
</tr>
<tr>
<td>10:15 – 11:45 a.m.</td>
<td>Trip Generation Handbook Workshop (Pt. 2) Room 611-12</td>
<td>Room 607</td>
</tr>
<tr>
<td>12:30 – 2:30 p.m.</td>
<td>ITE Excellence in Transportation Awards Lunch, Metropolitan Ballroom, Seattle Sheraton Hotel</td>
<td>Room 607</td>
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</tbody>
</table>

For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
The ITE Registration Desk is located in the South Lobby of the Washington State Convention & Trade Center.

**Registration Hours:**

Saturday, August 9  
2:00 - 5:00 p.m.

Sunday, August 10  
7:30 a.m. - 5:30 p.m.

Monday, August 11  
7:30 a.m. - 5:30 p.m.

Tuesday, August 12  
7:30 a.m. - 5:30 p.m.

Wednesday, August 13  
(Registration moves to East Lobby)  
7:30 - 9:30 a.m.

**Exhibit Hall Hours**

Monday, August 11  
9:30 a.m. - 4:30 p.m.

Tuesday, August 12  
9:30 a.m. - 2:30 p.m.

**Guest Tours**

All guest tours depart from and return to the Sheraton Seattle Hotel. Groups will meet in the hotel lobby. Please arrive at least 15 minutes prior to departure time.

* Separate fee required.

** Separate fee may be required. Please check the tickets handed out to you when you registered. If you need to add this event, please stop by the Registration Desk to register.

*** Sessions approved for AICP/Certification Maintenance.
Transportation and Urban Planning Process: Creating Sustainable and Healthy Communities Forum
Kirkland – Sheraton Seattle Hotel
Organized by: T-PH Link
Moderator:
Karyn M. Warsow, Founder and Principal, Transportation-Public Health Link
Panelists:
• Ensuring Quality of Life through the Transportation and Urban Planning Process, Pedro B. Ortiz, Senior World Bank Urban Specialist Consultant, World Bank
• Health Impacts and Transportation Decision-Making: Environmental Nexus, Ronald Deverman, Associate Vice President, Environmental Planning, HNTB Corporation
• Sustainable Cities Initiative, Marc Schlossberg, Co-Director, Sustainable Cities Initiative, University of Oregon,
• A Life Course Perspective of Chronic Disease and the Impact of Surface Transportation, Karyn M. Warsow, Founder and Principal, Transportation-Public Health Link

Transit-Oriented Development Forum
Ballard – Sheraton Seattle Hotel
Organized by: ITE Transit Council, ITE Parking Council, and ITE Pedestrian and Bicycle Council
Facilitators:
• Edward Y. Papazian, Vice President, Kimley-Horn & Associates Inc.
• Brian T. Welch, Senior Manager, Planning Technical Services, Denver Regional Transportation District
• Alan R. Danaher, Senior Supervising Engineer, Parsons Brinckerhoff

1:00 – 3:00 p.m.
LeadershipITE Graduation
Willow – Sheraton Seattle Hotel

2:15 – 4:00 p.m.
Issue Forums
Insights into Adaptive Traffic Signals Forum
Issaquah – Sheraton Seattle Hotel
Sponsored by: ITE Traffic Engineering Council and ITE Management & Operations/ITS Council
Moderator:
Troy A. Peoples, Vice President - Transportation, Stantec
Panelists:
• SCATS System, Fred Liang, Acting ITS Manager, City of Bellevue, WA
• SynchroGreen, Gil Ramirez, Lassiter Transportation Group Inc.
• InSync, Shaun M. Quayle, Engineering Associate, Kittelson & Associates Inc.
• Centracs, Michael W. Schweickart, President, TMS Engineers Inc.

Transportation Challenges and Natural Disaster Forum
Kirkland – Sheraton Seattle Hotel
Organized by: ITE Management & Operations/ITS Council and ITE Public Agency Council
Facilitators:
John C. Nisbet, Olympic Region Traffic Engineer, Washington State DOT,
Steven J. Cyra, HNTB Fellow, Associate Vice President, Traffic Operations/ITS, HNTB Corporation

Systematic Safety Forum
Ballard – Sheraton Seattle Hotel
ITE Transportation Safety Council
Facilitators:
• Mark S. Bush, Senior Program Officer, The National Academies
• Matthew T. Enders, Technical Services Manager, Washington State DOT

4:15 – 5:45 p.m.
ITE Annual Business Meeting
Willow – Sheraton Seattle Hotel
8:00 – 9:30 a.m.  
**Plenary Session**  
Room 6B – Washington State Convention & Trade Center  
Recognition of Honorary Members:  
- Thomas B. Deen, PE, Retired, Stevensville, MD  
- Weston S. Pringle Jr., P.E., PTOE, Principal, Weston Pringle & Associates, Laguna Niguel, CA  
- Richard T. Romer, PE, PTOE, Las Vegas, NV (posthumous)  
Burton W. Marsh Award for Distinguished Service to the Institute of Transportation Engineers  
Kay Fitzpatrick, College Station, TX, USA  
Theodore M. Matson Memorial Award  
Thomas W. Brahms, Washington, DC, USA  
Plenary Speakers:  
- Scott Kubly, Director, Seattle Department of Transportation, Seattle, WA  
- The Honorable Anthony Foxx, Secretary, U.S. Department of Transportation, (Invited)

9:30 – 10:30 a.m.  
**It's a Traditional Seattle Coffee & Networking Break**  
Exhibit Hall – Washington State Convention & Trade Center  
Sponsored by Parsons Brinckerhoff  
Biscotti, Seattle’s Best Coffee (regular, decaf, and French press), and chai tea latte!  

9:30 a.m. – 4:30 p.m.  
**Exhibit Hall Open**  
Room 4 A&B – Washington State Convention & Trade Center  
(Meet at Convention Place, Level 1)

10:00 a.m. – 12:30 p.m.  
**Technical Tour: Washington State DOT’s Traffic Management Center** – SOLD OUT  
Departs from Washington State Convention & Trade Center  
(Join at Convention Place, Level 1)

10:30 a.m. - 12:00 p.m.  
**Nominating Committee Meeting**  
Room 603 – Washington State Convention & Trade Center  
10:30 – 11:30 a.m.  
**Welcome to Seattle CVB Presentation**  
Dashpoint Room, Sheraton Seattle Hotel  
Join Lindsay Saeed, Convention Services Manager with Visit Seattle, for a fact-filled one hour presentation on all that our host city Seattle, WA has to offer! Lindsay will share a brief history summary, restaurant suggestions, and ideas on where to explore, shop, and relax! Free and fun!

10:30 a.m. – 12:00 p.m.  
**Concurrent Technical Sessions**  
Roundabout Public Meeting***  
Track: Roundabout Design and Implementation  
Rooms 611-12 – Washington State Convention & Trade Center  
**Organized by: ITE Roundabout Committee**  
Moderator:  
Daniel J. Spann, Project Manager, RPM Transportation Consultants LLC  
Panelists:  
- Kelli Owen, Senior Engineer | Project Manager, Reid Middleton  
- Kent Sides, Senior Professional Engineer, City of Clearwater  
- Craig M. Parks, Director of Development, American Structurepoint Inc.

Bicycle Traffic Operations, Signs and Signals  
Track: Bicycle Facilities and Operations  
Room 606 – Washington State Convention & Trade Center  
Moderator:  
Steven P. Scalici, Senior Associate, STV Incorporated  
Speakers:  
- Use of Bicycle Signal Face in Clackamas County, Rick Nys, Senior Traffic Engineer, Clackamas County, Oregon City, OR  
- Integrating Bicycle Counts into Traffic Monitoring, Krista Nordback, Research Associate, Oregon Transportation Research and Education Consortium, Portland State University

Mainstreaming Alternative Intersections  
Track: Innovative Design Maintenance  
Room 607 – Washington State Convention & Trade Center  
**Organized by: ITE Transportation Safety Council**  
Moderator:  
Jeffrey Shaw, Highway Engineer, USDOT-FHWA  
Speakers:  
- Every Day Counts for Safety – Advancing Key Innovative Intersection Treatments, Gil Chlewicki, Director, Advanced Transportation Solutions  
- Evaluation of Diverging Diamond Interchanges in the U.S., Wei Zhang, Highway Research Engineer, USDOT-FHWA  
- Introduction of the Triangabout: A New Alternative Intersection Design, Andrew P. Nichols, Associate Professor, Marshall University

Transportation Advocacy and Outreach***  
Track: Policy and Engagement  
Room 608 – Washington State Convention & Trade Center  
**Moderator:**  
Monica M. Suter, Senior Civil Engineer, City of Santa Ana-Public Works Agency, Santa Ana, CA,  
Speakers:  
- Grassroots Advocacy for Congestion Pricing, Samuel I. Schwartz, President & CEO, Sam Schwartz Engineering, PLLC  
- City of Bellevue Neighborhood Traffic Safety Program: Innovative Communication Strategies in Addressing Resident Traffic Safety Concerns, John Murphy, Assistant Planner, City of Bellevue Transportation Department, Bellevue, WA  
- Adopting Social Media for Transportation Projects – Customer Service, Transparency and Outreach, Joanna Kervin, Director - Toronto-York Spadina Subway Extension, Toronto Transit Commission

12:00 – 1:30 p.m.  
**Lunch in Exhibit Hall**

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For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
12:00 – 2:00 p.m.
**Past President’s Luncheon** (by invitation only)
Medina Room – Sheraton Seattle Hotel

12:30 – 4:30 p.m.
**Guest Tour: Woodinville Wine Tasting**
* Departs from Sheraton Seattle Hotel (Meet in Lobby)

2:00 – 3:30 p.m.
**FLIR Presentation, Exhibitor Showcase**
(Booth 423), Exhibit Hall

2:00 – 3:30 p.m.
**TPCB Board of Directors Meeting**
Room 603 – Washington State Convention & Trade Center

**Concurrent Technical Sessions**

- **Roundabout Theatre – Real World Applications***
  - Track: Roundabout Design and Implementation, Room 611-612 – Washington State Convention & Trade Center
  - **Organized by: ITE Roundabout Committee**
  - **Moderator:** Rachel Price, Project Engineer, Reid Middleton,
    - **Panelists:**
      - Brian Walsh, State Traffic Design and Operations Engineer, Washington State DOT
      - Daniel J. Dovey, Traffic Design Engineer III, King County, Seattle, WA
      - Matthew Enders, Technical Services Manager, Washington State DOT

- **Bicycle Parking: What Transportation Professionals Need to Know**
  - Track: Bicycle Facilities and Operations, Room 606 – Washington State Convention & Trade Center
  - **Organized by: ITE Pedestrian and Bicycle Council**
  - **Moderator:** Meghan F. Mitman, Senior Associate, Fehr & Peers
  - **Speakers:**
    - Transit Station Secure Parking Areas, Helen Cook, Planning Manager II, TransLink/South Coast BC Transportation Authority, New Westminster, BC
    - APBP Bicycle Parking Guidelines, Phil Miller, Program Manager, Association of Pedestrian and Bicycle Professionals
    - Rackathon: Hacking the Bike Parking Code, Brock Howell, Policy and Government Affairs Manager, Cascade Bicycle Club
    - Seattle's Bicycle Parking Program, Dongho H. Chang, City Traffic Engineer, Seattle DOT, Seattle, WA

- **A Focus on Pedestrians**
  - Track: Innovative Design and Maintenance, Room 607 – Washington State Convention & Trade Center
  - **Organizer:** Kevin N. Chang, Assistant Professor, University of Idaho
  - **Speakers:**
    - Safe Sidewalks: Implementing a Systematic Maintenance Program, Dave Bergner, Principal, Monte Vista Associates, LLC
    - Rapid-Flash Yellow Beacons used with Pedestrian Crosswalks: Anticipated Changes, Kay Fitzpatrick, Senior Research Engineer, Texas A&M Transportation Institute

3:00 – 4:00 p.m.
**Sundaes on Monday: Make Your Own Sundae Break**
Exhibit Hall
* Sponsored by Trafficware

Complete with vanilla ice cream, root beer, coca-cola, orange soda, malt powder, chocolate syrup, and whipped cream!

3:30 – 4:30 p.m.
**Prospective International Officers’ Reception**
Room 604 – Washington State Convention & Trade Center
Are you a Fellow member of the Institute? Do you aspire to someday seek election as an International officer of the Institute and/or consider seeking election as an International Director representing your District on the International Board of Direction (requires that you be either a Member or Fellow of the Institute)? If so, you are invited to attend the Prospective Candidates for International Office Reception. Talk with current members of the Nominating Committee and current International officers to better understand roles, time commitments, responsibilities and the process to become a candidate.

4:30 – 6:00 p.m.
**TPCB Annual Meeting**
Room 603 – Washington State Convention & Trade Center

For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
4:30 – 6:00 p.m.  
**Concurrent Technical Sessions**

**Modern Roundabout Design Charrette***
Track: Roundabout Design and Implementation. Room 611-12 – Washington State Convention & Trade Center  
Organized by ITE Roundabout Committee  
Moderator:  
*Phil Rust,* Associate Traffic Engineer, City of San Diego, San Diego, CA, USA  
Panelists:  
- *Hillary Isebrands,* Highway Safety Specialist, USDOT-FHWA  
- *Patrick J. McGrady,* Project Designer, Reid Middleton Inc.

**Interim Pedestrian and Bicycle Design Workshop***
Organized by: ITE Pedestrian and Bicycle Council  
Panelists:  
- Alex Rixey, Transportation Planner, Fehr & Peers  
- Meghan F. Mitman, Senior Associate, Fehr & Peers  
- Andrew Howard, Principal, Team Better Block  
- Claude T. Strayer, Civil Engineer, RJM Engineering Inc.

**Balancing Design and Safety: Risk Management Workshop**
Sponsored by: ITE Expert Witness Council  
Moderator:  
Ronald W. Eck, Consulting Engineer, Morgantown, WV  
Panelists:  
- Incorporating Pedestrians into Design and Operations, *Ronald W. Eck,* Consulting Engineer, Morgantown, WV  
- Roadside Clearance on a Rural Residential Road, *James L. Pline,* Consultant, Pline Engineering, Inc.  
- Rehabilitation Versus Reconstruction *Russell G. Brownlee,* Principal, Road Safety Group, Giffin Koerth Forensic Engineering

**Mentoring and Ethical Behavior in a Changing Environment**
Moderator:  
*Jennifer A. Rosales,* Senior Transportation Engineer, City of San Clemente, Santa Ana, CA  
Panelists:  
- *Donald R. Samdahl,* Principal, Fehr & Peers  
- *Robert C. Wunderlich,* Director - Center for Transportation Safety, Texas A&M Transportation Institute

- *Marsha Anderson Bomar,* Senior Principal, Transportation, Stantec  
- *David A. Roseman,* City Traffic Engineer, City of Long Beach, Long Beach, CA  
- *Kaylinn M. Roseman,* Graduate Student, California Polytechnic State University  
- *Harold R. Hofener,* Principal, Traffic Engineering Consultants Inc.  
- *Todd D. Szymkowski,* Traffic Operations Manager, Lakeside Engineers

7:00 – 9:00 p.m.  
**Theme Party: Celebrate the Pacific Northwest Past and Present**
Metropolitan Ballroom, Sheraton Seattle Hotel  
At ITE’s 2014 August annual meeting, we’re celebrating the Pacific northwest past and present. So put on your plaid shirt, suspenders, graphing calculator and fishing pole. And of course your dancing shoes.
7:30 – 9:00 a.m.
**NTOC Small Group Meeting**
Room 603 – Washington State Convention & Trade Center

8:00 a.m. - 2:00 p.m.
Room 602

8:30 – 9:30 a.m.
**Technology Tuesday – Plenary Session***
Room 6B, Washington State Convention & Trade Center
Moderator:
*Joseph Kopser, CEO, RideScout,*
Speakers:
- Connected Vehicle Pilot Deployment Program, Katherine Hartman, CV Pilots Program Manager, USDOT-FHWA
- Microsoft CityNext – Transportation, Jorge G. Lopez, Solutions Manager, Government Worldwide Public Sector, Microsoft Corporation

9:30 – 10:30 a.m.
**Networking and Coffee Break in Exhibit Hall**
Room 4 A&B - – Washington State Convention & Trade Center

9:30 a.m. – 2:30 p.m.
**Exhibit Hall Open**
Room 4 A&B – Washington State Convention & Trade Center

10:30 - 11:00 a.m.
**PTV Presentation, Exhibitor Showcase**
(Booth 423), Exhibit Hall

10:00 a.m. – 12:30 p.m.
**Technical Tour: Seattle Children's Hospital Parking and Travel Demand Management***
Depart from Washington State Convention & Trade Center (Meet at Convention Place, Level 1)

10:30 a.m. – 12:00 p.m.
**District and Section Administrators Meeting**
(by invitation only)
Room 604 – Washington State Convention & Trade Center

**Student Member Roundtable**
Room 603 – Washington State Convention & Trade Center

**Concurrent Technical Sessions**

**Sustainable Traffic Signal Development**
*Organized by: ITE Sustainability Task Force*
Moderator:
*James R. Helmer, President, LightMoves*
Speakers:
- Sustainable Traffic Signal Development – Policy and Planning, Seth D. Young, Senior Traffic Engineer, STV Incorporated
- Sustainable Traffic Signal Development – Construction and Activation, Keith Hall, Senior Design Engineer, Maser Consulting
- Sustainable Traffic Signal Development – Innovation, Oluwaseye Akele, Design Engineer, Maser Consulting

**Traffic Analysis Software Programs Studies and Comparisons - Sharing Analysis Expertise, Knowledge and Results**
Moderator:
*Christa A. Greene, Senior Traffic Engineer, Stantec Consulting*
Speakers:
- An Agency’s Perspective of Traffic Analysis Tools, James H. Dunlop, Congestion Management Engineer, North Carolina DOT
- Evaluation of Various Simulation Models, Kellie L. Reep, Transportation Engineer, Stantec Consulting
- Traffic Model Comparison Research, Andrea R. Bill, Traffic Safety Program Manager, University of Wisconsin-Madison
- Methods of Signal Optimization – A National Perspective, John A. Albeck, President, Albeck and Associates, Inc.

**Active Traffic Management in Seattle: Taking ITS and Operations to the Next Level**
*Organized by: ITE Management & Operations / ITS Council*
Moderator:
Les Jacobson, Vice President, Senior ITS Manager, Parsons Brinckerhoff
Speakers:
- ATM in Seattle Update, Morgan L. Balogh, Traffic Engineer Regional Operations, Washington DOT
- Expansion of ATM in Washington State, Mark Leth, Northwest Region Traffic Engineer, Washington DOT
- ATM and Managed Lanes, Mark Bandy, Urban Corridors Traffic Engineer, Washington DOT
- Testing Active Traffic Management (ATM) Strategies with a Laboratory, Thomas Bauer, CEO, Traffic Technology Solutions, LLC

For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
Intersection Safety - Signalized and Unsignalized Intersections
Track: Safety. Room 606 – Washington State Convention & Trade Center
Moderator:
Peter J. Yauch, Program Manager, TSM&O, Albeck Gerken Inc
Speakers:
• Signalized Intersection Safety in Utah, Grant Schultz, Associate Professor, Brigham Young University
• Safety Effectiveness of Adding Shoulder Bypass Lanes at Unsignalized Rural Intersections in Kansas Using Case Control Method, Alireza Shams, Ph.D student, Kansas State University
• Signalized Intersection Safety, Brian E. Chandler, Program Director – Transportation Safety Solutions, Leidos

12:00 – 2:00 p.m.
Lunch in Exhibit Hall
Room 4 A&B – Washington State Convention & Trade Center

12:15 - 1:15 p.m.
Management and Operations/ITS Council, AV/CV Committee Meeting
Room 603

12:45 – 3:45 p.m.
Guest Tour: Lifestyles and Lakes Cruise
Departs from Sheraton Seattle Hotel (Meet in lobby)

1:30 – 2:30 p.m.
Traffic Bowl Team Meeting
Room 613

2:00 – 3:00 p.m.
Concurrent Technical Sessions

Transportation Authorization Policies and Perspectives Roundtable
Track: Signals. Room 609
Facilitator:
Larry Ehl, Chief of Staff, Port of Seattle Commission, Seattle, WA, USA

Connected and Autonomous Vehicles - Urban Myths, Social Truths and Controversy Ignite Session
Track: Technology. Room: 611/612 – Washington State Convention & Trade Center
Moderator:
Eric E. Rensel, Project Manager, Gannett Fleming Inc
Speakers:
• The Impact of the Connected Vehicle on Transportation Agencies, Marnie Primmer, Director of Strategy & Business Development, Transpo Group
• The Next Generation of Transportation Thinking - Sharing Traffic Signal Data with BMW, Kenneth Salvail, Transportation Operations System Management Section Manager, City of San Jose, San Jose, CA
• Transportation Research Board’s Key Research Needs for Connected/Automated Vehicles, Mark R. Norman, Director-Techical Activities, Transportation Research Board
• Alain L. Kornhauser, Director, Transportation Program, Princeton University
• The Connected Automation Assessment Framework Michael E. McGurrin, Senior Fellow, Transportation Systems and Sampson Asare, Noblis
• Rolling with Robots: Three Critical Issues for ITE Action Douglas Gettman, ITS Technology Group Leader, Kimley-Horn & Associates

Right Size Parking: Balancing Supply and Demand in King County
Track: Mobility and Operations Track. Room 607
Moderator:
Daniel Rowe, Transportation Planner, King County Metro, Seattle, WA
Speakers:
• Overview of Right Size Parking Project in King County, WA, Daniel Rowe, Transportation Planner, King County Metro, Seattle, WA
• Mixed-Use Shared Parking Study in King County, WA, Jeff Arango, Principal, Arango Urban Planning and Design
• Parking and Transportation Demand Management Excellence in Multifamily Development, Angela Rozmyn, Director of Sustainability and Administration, Natural and Built Environments

Traffic Safety Culture
Track: Safety. Room 606.
Organized by: ITE Transportation Safety Council
Moderator:
Andrew G. Kaplan, Senior Transportation Safety Engineer, Rutgers Center for Advanced Infrastructure and Transportation
Panelists:
• Nicholas J. Ward, Professor, Mechanical and Industrial Engineering, Montana State University
• Joe Toole, Senior Principal Engineer, Kittelson & Associates Inc.
• Robert C. Wunderlich, Director - Center for Transportation Safety, Texas A&M Transportation Institute

2:00 – 4:00 p.m.
Elected Leadership Forum
Room 603 – Washington State Convention & Trade Center

2:00 - 3:30 p.m.
Sustainability Task Force Projects Meeting
Room 604

3:00 – 3:30 p.m.
Pita Chips & Dips Break
East Lobby, Washington State Convention & Trade Center

3:00 - 5:15 p.m.
Traffic Calming e-Primer Roundtable
Room 602, Washington State Convention & Trade Center
3:30 - 5:00 p.m.
Advocacy Committee
Room 604

3:30 – 4:30 p.m.
Concurrent Technical Sessions

Connected Vehicle on the Cheap: Using the Internet to Connect Vehicles to Traffic Signals***
Track: Signals. Room: 611/612 – Washington State Convention & Trade Center
Panelists:
- Matt Ginsberg, CEO, Green Driver Inc.
- Kenneth Salvail, Transportation Operations System Management Section Manager, City of San Jose, San Jose, CA
- Shital K. Patel, Manager of Operations and Project Management, Regional Transportation Commission of Southern Nevada

Seattle Parking Virtual Tour
Organized by: ITE Parking Council
Facilitator:
Debbie M. Harris, Capital Program Manager, City of Seattle, Seattle Public Utilities,
The Seattle Parking Tour is a self-directed walking tour for those not familiar with Seattle. The tour will take participants to places within the downtown core of Seattle that have interesting features or are considered tourist attractions. The tour will commence in room 609 in the Convention Center. A brief overview will be provided along with a brochure with a map and route stops. The virtual portion of the tour includes the ability to use a smart phone and QR code to see a short description of a parking topic at each of the stops. Stops include: Pacific Place, Seattle Municipal Tower/ Columbia Tower, Coleman Dock (Ferry Terminal), Russell Investments/Seattle Art Museum/Pike’s Place Market, Westlake Park and the Gates Foundation Visitor Center/Seattle Center. The tour concludes back at the Convention Center.
Route length: 4.7 miles of walking (2.4 miles with optional monorail ride, $4.50 round trip).
Route Terrain: The route involves walking up and down hill with 4-5 blocks of steep up and down hill walking.
Duration: About 2 hours

New Approaches in Managing Transportation Demand
Organized by: ITE Transportation Planning Council
Moderator:
Bradley K. Strader, President, LSL Planning Inc.
Speakers:
- In Motion: Improving Communities through Healthier Travel Choices, Carol Cooper, Acting Supervisor, Market Development, King County Metro, Seattle, WA

Traffic Safety Applications and Research
Track: Safety. Room 606 – Washington State Convention & Trade Center
Organized by: ITE Transportation Safety Council
Moderator:
Mark S. Bush, Senior Program Officer, The National Academies
Speakers:
- Low-Cost Street Network Screening for High-Crash Locations, Matthew T. Carmody, Director of Transportation, VHB
- NCHRP 20-24: State DOT Administration of Local Road Safety Aid Richard J. Storm, Transportation Engineer, CH2M Hill
- Safety Tools for State and Local Agencies Shauna L. Hallmark, Director of the Institute for Transportation, Iowa State University

3:30 – 5:30 p.m.
Technical Tour: Cycling in Seattle* – SOLD OUT
Departs from Seattle Cycling Tours Office, 714 Pike Street (across from Washington State Convention & Trade Center). Sponsored by Fehr & Peers

4:15 – 5:45 p.m.
SimCap Meeting
Room 603 - Washington State Convention & Trade Center

7:00 – 7:30 p.m.
International Collegiate Traffic Bowl Reception**
Metropolitan Room – Sheraton Seattle Hotel

7:30 – 10:00 p.m.
International Collegiate Traffic Bowl Competition
Metropolitan Room – Sheraton Seattle Hotel
Come out and root for your favorite college bowl team at the Intercollegiate Traffic Bowl Grand Championship! The Traffic Bowl is a Jeopardy-style competition for ITE student chapters designed to test students’ knowledge of transportation planning and engineering topics. ITE student chapters across the United States and Canada are competing in district traffic bowls to qualify for the 2014 Collegiate Grand Championship.

For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
8:30 – 10:00 a.m.

**Concurrent Technical Sessions**

**Estimating Trips in Urban Contexts: Trip Generation Handbook Workshop (Pt. 1)**

Organized by: ITE Transportation Planning Council

Moderator: Patrick A. Gibson, President, Gibson Transportation Consulting

Speakers:
- Trip Generation Handbook, 3rd Edition Overview, Kevin Hooper, Principal, Kevin Hooper Associates
- It’s the People That Count: Advancing Person Trip Generation in Site Analyses, Kevin Hooper, Principal, Kevin Hooper Associates
- A User’s Perspective, Paul E. Basha, Transportation Director, City of Scottsdale, Scottsdale, AZ

**Safety in the Project Development Process: A Context Sensitive Approach***

Track: Context Sensitive Implementation. Room 609 - Washington State Convention & Trade Center

Moderator: Edward R. Stollof, Senior Director, Safety Programs, Institute of Transportation Engineers

Speakers:
- Richard C. Coakley, Principal Transportation Engineer, CH2M Hill Inc.
- Cynthia E. Juliano, Transportation and Planning Manager, CH2M Hill Inc.
- Keith J. Harrison, Safety and Geometric Design Engineer, Federal Highway Administration

**Priority Control and Preemption with Transit and Rail**

Organized by: ITE Grade Crossings Committee – TENC 102-02

Moderator: Brent Ogden, Vice President, AECOM

Speakers:
- Traffic Signal Preemption at Grade Crossings, Karen M. Hankinson, Vice President, RailPros Inc.
- State of the Art Transit Priority for LRT, Peter Koonce, Principal Engineer, City of Portland, Portland, OR
- Mitigating Operations at Gated LRT Crossings Near Traffic Signals, Joaquin T. Siques, Transportation Engineer, City of Pasadena DOT, Pasadena, CA
- Managing Preemption at LRT Grade Crossings, James R. Hanks, President, JRH Transportation Engineering

**Student Paper Presentations**

Track: Next GenITE Track. Room 608 – Washington State Convention & Trade Center

Moderator: Gary B. Thomas, Research Engineer, Texas A&M Transportation Institute

Speakers:
- An Empirical Analysis of Critical Headway for Drivers Turning Right-On-Red at Signalized Intersections, Brendan J. Russo, Student, Wayne State University
- The Application of a Connected Vehicle Weather Data System, Britton Elaine Hammit, Student, University of Wyoming
- An Analytical Assessment of the Current MUTCD Guidance on Traffic Control at Divided Highway Intersections, S. Hadji Khazraee, Graduate Research Assistant, Texas A&M University
- The Effect of Pedestrian Countdown Signals on Pedestrian Walking Speed, Alexandra J. Campbell, Student, University of Manitoba
- Adapting Roadway Rumble Strips to Airports to Reduce Runway Incursions, Colin D. Furr and Brock D. Gillum, Students, Purdue University

10:00 – 10:15 a.m.

**Networking and Coffee Break**
East Lobby, Washington State Convention & Trade Center

10:15 – 11:45 a.m.

**Concurrent Technical Sessions**

**Trip Generation Handbook Workshop (Pt. 2)**

Organized by: ITE Transportation Planning Council

Moderator: Kevin Hooper, Principal, Kevin Hooper Associates

Speakers:
- Thinking About People: An Urban-Context Adjustment to ITE’s Trip Generation Handbook Using Household Travel Surveys, Kristina M. Curran, PhD Student, Portland State University
- Applying Person Trip Concepts to Infill, TOD and Mixed-Use Developments, Kevan Shafizadeh, Associate Professor and Chair, Department of Civil Engineering, California State University - Sacramento
- Pass-by and Diverted Trips, Eric J. Tripi, Regional Engineering Manager, Parsons

**Mobility Hubs Making Sustainability Happen***

Organized by: ITE Sustainability Task Force

Moderator: Jim Gough, Senior Project Manager, MMM Group Ltd, Speakers:
- Guidelines for Development of Mobility Hubs, Joshua Engel-Yan, Senior Advisory, Strategic Policy and Systems Planning, Toronto Metrolinx
- Mobility Hubs – Making Sustainability Happen, Jim Gough, Senior Project Manager, MMM Group Ltd
- West Coast Electric Highway, Tonia Buell, Project
Development and Communications Manager, Public-Private Partnerships, Washington State DOT

Adaptive Signal Control - Cost Effectiveness and Operational Effectiveness
Track: Mobility and Operation. Room 608.
Moderator:
David K. Hale, Assistant in Engineering, University of Florida
Speakers:
• Adaptive Signal Control Systems – Current Trends and Operational Benefits, Aleksandar Stevanovic, Assistant Professor, Florida Atlantic University
• Lessons Learned from Oregon DOT’s Hi-Resolution Adaptive Traffic Signal Control Evaluation, Shaun M. Quayle, Engineer, Kittelson & Associates, Inc.
• Limitations of Adaptive Signals David K. Hale, Assistant in Engineering, University of Florida
• Deciding When and Where to Use Adaptive Systems, Miranda Wells, Traffic Analyst, HDR Engineering, Inc.

Young Professionals and ITE Roundtable
Organized by: ITE Young Member Committee
Facilitator:
Katherine Kortum, Program Officer, Transportation Research Board

12:30 – 2:30 p.m.
ITE Excellence in Transportation Awards Lunch***
Metropolitan Ballroom – Sheraton Seattle Hotel
Speaker:
Positioning Transportation as a Transformative Public Investment, Gabe Klein, Senior Visiting Fellow, Urban Land Institute
ITE is honored to recognize outstanding achievements and distinguished individual service at the 2014 Excellence in Transportation Awards Lunch. Join the festivities and be inspired.
ITE thanks you for your generous contributions to the LeadershipITE program, and local and international scholarship sponsors. The additional contributions of generous individual ITE members are greatly appreciated.

**Organizations**
- AirSage Inc.
- Kimley-Horn and Associates, Inc.
- Ladies Power Lunch in Honor of Willa Mylroie
- Neel-Schaffer, Inc.
- Sanderson Stewart
- Transoft Solutions, Inc.
- Vanasse Hangen Brustlin Inc.

**ITE Districts**
- Canadian District
- Florida District
- Mid-Colonial District
- Northeastern District
- Southern District
- Texas District
- Western District

**ITE Sections**
- Deep South Section
- Intermountain Section
- Illinois Section
- Metropolitan Section of New York and New Jersey
- North Central Section

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**ITE Exhibit Hall (Detail)**

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For all session descriptions, please refer to Seattle 2014, ITE’s mobile app. Please ask any ITE staff member for assistance.
For all session descriptions, please refer to Seattle 2014, ITE's mobile app. Please ask any ITE staff member for assistance.
For all session descriptions, please refer to Seattle 2014, ITE's mobile app. Please ask any ITE staff member for assistance.
Advanced Traffic Products (938)
Bonnie Banks
Admin. Asst.
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Everett, WA 98203
Email: Bonnie@advancedtraffic.com
Phone: 425-347-6208
www.advancedtraffic.com
Advanced Traffic Products, Inc. (ATP) is an Authorized Dealer of traffic and pedestrian equipment including detection, monitoring, and reporting systems. ATP represents Wavetronix, GTT (Opticom and Canoga Systems), Polara, Dialight, TrafficCast (Bluetooth based travel times), and STI-Tassimo. ATP has provided innovative products and traffic solutions for over 20 years including ITS integrated platforms that will serve well into the future.

AirSage (422)
Daniel Fisher or Bill King
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Email: sales@airsage.com Phone: 404-809-2499
www.airsage.com
Knowing where people go and when provides powerful population movement and behavior insight. Traditional data collection provides limited, less accurate sample sizes, and cost more to collect and analyze. AirSage provides anonymous population location and movement information from over 100 million mobile devices across the U.S. every day to generate the data needed for accurate studies with incredibly large sample sizes at a fraction of the cost. For more information, visit www.airsage.com.

All Traffic Solutions (622)
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Caliper Corporation (515)
Paul Ricotta
Senior Transportation Engineer
1172 Beacon Street Suite 300
Newton, MA 02461
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Phone: (617) 527-4700
http://www.caliper.com
Caliper Corporation is a technology leader in the development of transportation analysis software. TransModeler is used across the US to simulate the impacts of proposed land use developments, traffic control and roadway improvements, and active traffic management strategies. TransCAD is the most popular travel demand forecasting software among MPOs that do planning in the US, and TransModeler SE, a new and innovative traffic analysis software solution, integrates traffic simulation, traffic impact analysis, and signal optimization.

Campbell Company (618)
Phil Tate
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Phone: 208-345-7459
pedsafety.com
Campbell Company provides products that allow pedestrian access at intersections and public areas; Accessible Pedestrian Signals, Push Buttons, Pedestrian Stations, Signs and hardware that allows these to be installed to specifications. Campbell Company is ISO 9001 – 2008 Certified and designs and manufactures products in the USA.

Carmanah Technologies (412)
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Managing Director, Traffic
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Phone: 250.412.8318
carmanah.com/traffic
Carmanah Technologies is a market leader in solar LED flashing beacons across North America. Carmanah’s intelligent design, compact construction and robust performance provide innovative solar solutions for the traffic industry. Designed to install quickly, easily and cost-effectively, Carmanah solar flashing beacons are built to withstand both harsh winter and hot sun climates, delivering years of proven performance.

City of Seattle (932)
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Phone: 206-684-5106
Seattle.gov/transportation
Seattle Department of Transportation delivers a first-rate transportation system for Seattle. SDOT’s five core principles are: keep it safe, focus on the basics, build healthy communities, support a thriving economy, and provide great service.

Communication Networks (315)
Frank Haight
VP of Marketing
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Email: FHAIGHT@COMNET.NET
Phone: 203 796 5300
www.comnet.net
Communications Networks of Danbury, Connecticut, doing business as ComNet, is a Fiber Optic communications and hardened Ethernet product manufacturer. ComNet focuses on providing innovative communications networking solutions to the Intelligent Transportation Market. The product line consists of fiber optic video, data and audio transmission products as well as a broad Ethernet...
product line, designed to the specific requirements for Closed-loop traffic signalization and video detection systems, roadside CCTV surveillance, electronic toll collection, and variable message signs.

CS Technologies (940)
Bruce Dressel
22023 North 20th Avenue
Phoenix, AZ 85027
Email: Bdressel@ccompanies.com P: 623-889-7686 F: 623-889-7651
CS Technologies(CST) is the exclusive distributor and integrator of REPLICAM, which is an all-new revolutionary way to manage, &view your display wall and shared video. With no built-in limitations or proprietary equipment, it employs a software-based solution that does not require encoder/decoder hardware of any kind. This and other cost saving attributes, include a 75% reduction in power consumption, which contribute to less cooling requirements, and minimal physical server space, only 2U in most cases. REPLICAM is the next generation of video management.


Daktronics (519)
Jason Morrison
ITS Market Manager
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Brookings, SD 57006
Email: jason.morrison@daktronics.com Phone: 800-833-3157
Daktronics designs and manufactures long-lasting, cost-effective dynamic message signs (DMS) for hundreds of transportation agencies throughout North America. These displays convey critical traffic messages to drivers and assist in mitigating congestion and increasing safety in a variety of applications for freeways, arterial roads and toll ways. Daktronics stands behind its products with comprehensive service network. The company's NTCIP-compliant Vanguard® DMS and control software continue to sharpen the image of traffic management. Learn more at Daktronics.com/ITS.

Dialight (317)
Eberle Design (620)
Dr. William H. (Bill) Sowell, PhD
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An ISO 9001:2008 Registered Company – Celebrating over 34 Years of Excellence! Eberle Design, Inc., headquartered in Phoenix, Arizona, is a leading manufacturer of electronic monitoring and detection products for the traffic, access and rail industries. The company’s broad array of products - including conflict monitors, inductive loop detectors (e.g., autos, motorcycles, railroad and bicycles), power supplies, flashers, load switches and other mission-critical infrastructure control components - allows transportation and access control professionals to integrate, automate and manage intersections, roads and access points (e.g., gated entry, tolls and parking) easily, efficiently and safely.

The company designs, manufactures and sells under the EDI and RENO A&E brand names and is recognized as a leading provider of rugged, high-performance, specialty components. Eberle Design is a proud member of the ITSA, APTA, IRF, NEMA, ITe, IMSA, IPI, IDA, and AFA industry organizations.

Emerson Network Power Surge Protection (624)
Gary Nesbitt
Edco Brand Sales Manager
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Email: Gary.Nesbitt@Emerson.com Phone: 800-288-6169
Emerson Network Power delivers mission-critical power protection to keep all your sensitive equipment operating.

Epoplex (311)
Michael Downing
Sales Manager
1000 E. Park Ave., Maple Shade, NJ 08052
An ISO 9001:2008 Registered Company – Celebrating over 34 Years of Excellence! Eberle Design, Inc., headquartered in Phoenix, Arizona, is a leading manufacturer of electronic monitoring and detection products for the traffic, access and rail industries. The company’s broad array of products - including conflict monitors, inductive loop detectors (e.g., autos, motorcycles, railroad and bicycles), power supplies, flashers, load switches and other mission-critical infrastructure control components - allows transportation and access control professionals to integrate, automate and manage intersections, roads and access points (e.g., gated entry, tolls and parking) easily, efficiently and safely.

The company designs, manufactures and sells under the EDI and RENO A&E brand names and is recognized as a leading provider of rugged, high-performance, specialty components. Eberle Design is a proud member of the ITSA, APTA, IRF, NEMA, ITe, IMSA, IPI, IDA, and AFA industry organizations.

EtherWAN Systems (614)
Eklon Dehnert
Northwestern Regional Sales Manager
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Email: marketing@etherwan.com Phone: 714-779-3800
EtherWAN designs and manufacturers commercial, industrial and hardened Ethernet connectivity solutions for demanding and harsh environments. We offer an extensive line of products including: Unmanaged, Web-Smart, Managed Ethernet and PoE Switches, Media Converters, Ethernet Extenders and Serial Servers. EtherWAN - When Connectivity is Crucial.
Exhibitor Descriptions

FHWA / Office of Operations (309)
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Transportation Specialist
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The Federal Highway Administration’s (FHWA) Office of Operations provides national leadership for the management and operation of the surface transportation system. The office is responsible for FHWA’s efforts in the areas of congestion management, Intelligent Transportation Systems (ITS) Deployment, traffic operations, emergency management, and freight management and operations.

Flexstake, Inc. (424)
Danny Aguila
Sales Manager
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Flexstake.com

We have spent more than two decades researching and developing advanced polycarbonate technologies to provide a supply of high-performance markers, stakes, signs and accessories that are the leaders in the industry. We are world renown for our flexible delineators.

FLIR Systems, Inc (305)
Ashleigh Walker
Advertising Specialist
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www.flir.com/

FLIR Intelligent Transportation Systems (ITS) is revolutionizing how traffic flows smoothly and safely throughout the world. Our suite of products includes thermal and CCD sensors, intelligent video analytics, and responsive command and control software. Together, they comprise a system that detects incidents on roadways, collects ongoing traffic data, and controls signals for vehicles, pedestrians, and cyclists.

Stop by the Exhibitor Showcase (Booth 423) on Monday, August 11 at 2:10 p.m. to learn more from FLIR.

Fortel Traffic, Inc. (419)
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President
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Fortel Traffic, Inc. (FTI) is headquartered in Anaheim, California and is the leading manufacturer of radar speed feedback signs (VCalm®), variable message signs (VCalm®ITS) and other related traffic calming products in the Americas serving federal, state, and local municipalities. Our VCalm® brand is recognized as one of the most respected radar speed signs in North America.

FTI, is a strategic business working to provide advanced lighting solutions. It is FTI’s intent to bring a legacy of engineering expertise, innovation and unmatched commitment to our customers.

At a time when many companies are rationalizing or retrenching, FTI is implementing a strategy designed to achieve rapid growth. Founded on values of innovation, safety, and social interests such as energy savings – we differentiate ourselves with differentiated high quality, leading technological solutions, and uncompromising integrity.

Greenroads (520)
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Established in 2010, Greenroads is an independent 501(c)(3) non-profit corporation, which advances sustainability education and initiatives for transportation infrastructure. As the developer of the Greenroads Rating System, the Foundation manages the certification process for sustainable roadway and bridge construction projects in the U.S. and internationally. For more information, visit www.greenroads.org and join us on Facebook at facebook.com/greenroads.

Heusch Boesefeldt America (fka Traffic Technology Solutions) (523)
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www hbamerica.com

Heusch Boesefeldt presents its PLATO software offering local adaptive control capability for existing signal controllers as well as its GeoDyn2-Control product, an off-the-shelf control software for freeway ATM strategies.

IDAX Data Solutions (414)
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IDAX is a multimodal data collection company providing public agencies and private clients with accurate and meaningful data to serve any data-related needs that they may have. Our team of experienced professionals helps clients by providing functional, timely and cost-effective data collection solutions tailored to the unique challenges of individual projects.

ITE (Booth 407)
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The Institute of Transportation Engineers (ITE) is dedicated to advancing the transportation profession through sharing of knowledge and best practices for the benefit of society. Through its products and services, ITE promotes professional development of its members, supports and encourages education, stimulates research, devel-
ops public awareness programs and serves as a conduit for the exchange of professional information.

**ITEM Ltd (509)**

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**Iteris, Inc. (521)**

Adam Lyons  
Director of Marketing  
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www.iteris.com

Iteris, Inc. is a leader in providing intelligent information solutions to the traffic management market. The company is focused on the development and application of advanced technologies and software-based information systems that reduce traffic congestion, provide measurement, management, and predictive traffic and weather analytics, and improve the safety of surface transportation systems. The firm is headquartered in Santa Ana, California, with offices nationwide and in the Middle East. For more information, please visit www.iteris.com.

**Kar-Gor, Inc. (307)**

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Control Technologies, Inc. and its family of companies (Kar-Gor & CT West) have been active in the traffic control system area, including Intelligent Transportation System Assemblies for over 30 years. We are the North American Distributor for Flir ITS Thermal Detection Sensors. All of the CT Companies are dealers for In telight Traffic Controllers & Advanced Software, ITS Express Switches, SWARCO Full Color VMS.DMS Signs as well as other products.

**Kimley-Horn (411)**

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Kimley-Horn has been committed to the transportation industry for more than 40 years, and we continue to be a proud member, sponsor, and exhibitor of the Institute of Transportation Engineers. With more than 60 offices across the nation, our multi-disciplinary team of engineers, planners, and technicians develops practical solutions for all your transportation projects.

**Light Guard Systems (321)**

Sher Paz  
National Sales Manager  
2292 Airport Blvd  
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Email: Sher@lightguardsystems.com  
Phone: (707) 542-4547  
www.crosswalks.com & www.lightguardsystems.com

Light Guard Systems mission is to reduce needless crosswalk accident, injury and death caused by driver inattention or limited visibility conditions. Our In-Roadway Warning Light (IRWL) enhanced crosswalk system is designed to alert approaching motorists to the presence of a pedestrian at a street crossing. A number of in-pavement signal lights are placed across a roadway in front of crosswalk lines. The lights are activated by the pedestrian either by manual push button or automatic sensor activation, before entering the crosswalk. Once activated, the flashing lights are directed towards approaching drivers warning that the crosswalk zone is occupied and that caution should be exercised.

**MetroCount (944)**

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MetroCount® is a world leader in the design and manufacture of MetroCount vehicle traffic counting/classifying equipment and software. We are the major current supplier to the vehicle classification market including local councils, department of transports, main roads authorities and sub-contractors. Our hardware gives you a superlative level of accuracy and dependability, and our software intelligently helps you analyze and present your data.

**Miovision (516)**

Tom Schnekenburger  
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Miovision.com

Miovision creates intelligent solutions to address the challenges facing today’s transportation networks. Our video and web-based technologies help data collectors, traffic consultants and governments reduce the cost of collecting, analyzing, and reporting accurate traffic data. These solutions directly and indirectly reduce traffic congestion, optimize traffic flow and queues, and improve the overall safety of roads.
Exhibitor Descriptions

Myers Power Products (527)
National Highway Institute (426)
  Imani Lester
  Lead Marketing Analyst
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  Arlington, VA
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  Phone: 703-235-0955

The National Highway Institute (NHI), a division of the Federal Highway Administration (FHWA), works to improve the performance of the transportation industry through training. To achieve this mission, NHI provides transportation-related training in several formats including both classroom-based and online learning as well as free Web-based seminars and asynchronous training materials.

In serving the national transportation community, NHI partners with many organizations. We provide training resources to customers, partners, and course participants through States, local governments, and private organizations.

Pelco Products (930)
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  www.pelcoinc.com

With Pelco Products, innovation always comes standard.

Pelco Products, Inc. is an Oklahoma-based, family-owned business specializing in designing, engineering, manufacturing, and distributing the finest products. Founded in 1985 with 5 employees, Pelco now employs over 300 Team Members in 315,000 square feet of manufacturing space. Pelco is dedicated to serving its two primary marketing, Traffic and Utility, globally through Innovative Solutions, Quality Products & Unparalleled Customer Service.

Polara (325)
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  Corona, CA 92883
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  Phone: 330-754-7760
  www.polara.com

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Proxim Wireless (306)
  Geoffrey Smith
  Vice President – NAM Sales
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Proxim Wireless Corporation (OTC Markets: PRXM) provides Point –to-Point, Point-to-Multipoint 4G wireless network technologies and Wi-Fi® for Intelligent Transportation Systems (ITS), video surveillance, backhaul applications and wireless internet. Our end-to-end product portfolio enables partners to custom-build the wireless solution that fits their needs.

ITS Applications:
- Update dynamic message signs along highways to warn drivers of road conditions, accidents and detours
- Seamless connectivity to traffic management centers
- Solar power traffic detection radar sites
- Wireless remote management

PTV (417)
  Kiel Ova
  Vice President Business Development
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PTV America, the North American division of PTV Group, supports the development, distribution, application, and customer service of Vision Traffic Suite software products in North America and the Caribbean region. The Vision Traffic Suite, including software products Vissim, Vistro, Visum, and Viswalk, is the worldwide leader for multimodal planning, simulation, and traffic engineering analyses. Whether you are responsible for transportation planning, signal control, traffic management, or other transportation activities, our products support you.

Stop by the Exhibitor Showcase (Booth 423) on Tuesday, August 12 at 10:30 a.m. to learn more from PTV.

Qwick Kurb® Inc. (525)
  Matthew Schindler
  Regional Manager
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  www.qwickkurb.com

Manufacturer of high performance traffic delineation systems, including continuous curbing systems, island markers and crosswalk markers.

RTC Manufacturing, Inc. (319)
  Ron Featherston
  Vice-President
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  Arlington, TX 76001
  Email: ron@rtc-traffic.com
  Phone: 817.860.1217
  www.rtc-traffic.com

RTC Manufacturing, Inc. is an industry leader for innovative, high-quality products along with first-class services to the traffic industry, wholly committed to helping kids get to school since 1987.
Snohomish County Public Works (518)
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Public Works is the largest Department within Snohomish County government with a staff of approximately 590 in three business lines: Transportation, Surface Water Management, and Solid Waste Management. The Transportation divisions are responsible for planning, designing, building and maintaining a transportation network of 200 bridges and approximately 1,600 miles of roadway.
Partnerships and innovation are important cornerstones in our delivery of services to the public.

Smart Microwave Sensors (510)
Buddy Cruz
Region Manager for the Americas
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Smart Microwave Sensors is the designer and manufacturer of the Universal Medium Range Radar (UMRR), a 3D Object Tracking microwave based sensor used for ITS, traffic control, and speed enforcement related applications. The UMRR monitors and tracks up to 64 objects simultaneously, with specific information on per vehicle speed, range, and angle.
It is the only traffic radar capable of detecting individual vehicles at a range of up to 1,500 feet and measures their speeds while at the same time discriminating each by lane. The 3D sensor can therefore be used for a multitude of applications, some of which can be to study driving behavior, dilemma zone systems, wrong way detection, congestion monitoring, multi-lane LPR systems, triggering based on speed and presence, connection to fully adaptive controller systems, and many more.
Company is based in Braunschweig Germany.

Ten and Two - Data Collection Tools (416)
Lori Vawdrey
President
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Phone: (888) 539-4541
www.tenandtwodata.com
Ten and Two – Data Collection Tools are innovative and field-proven systems used for field data collection; including Travel Time, Travel Monitor, Spot Speed, Origin-Destination, Curve Advisory and Work Zone Monitor. Using advanced and affordable technologies, (GPS, HD video, tablets, etc.) our products are developed with a focused effort to improve field safety, increase efficiency and reduce labor costs.

TKH Security (Booth 406)
Amy Fleck
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Germantown, MD 20874
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www.tkhsecurity-usa.com
TKH Security Solutions Inc. is a global supplier of advanced video surveillance solutions, including IP cameras, video servers/codecs, network video recorders, fiber transmission equipment, video management and video analytics software. We deliver complete solutions for traffic monitoring and the security of airports, seaports, casinos, prisons, utilities, public transit, city centers, hospitals, and corporate campuses. TKH Security Solutions markets its solutions under the Siqura, Optelecom and Diva brand names.

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Traffic Logix (323)
Devorah Werner
Marketing Coordinator
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Spring Valley, NY 10977
Email: d.werner@trafficlogix.com
Phone: 845-598-5762
www.trafficlogix.com
Traffic Logix is a direct sales manufacturer of a full line of traffic calming solutions all designed to return safety to local roads. From recycled rubber speed humps, cushions, and tables to bike lane curbing, radar speed signs, speed trailers, and flashing beacons, we have the solutions you need for safer, calmer street.
Trafficware (505)  
522 Gillingham  
Sugar Land, TX 77478  
Email: inquiry@trafficware.com  
Phone: (281) 240-7233  
www.trafficware.com

Trafficware specializes in research, design, and development of electronic equipment and enterprise software designed to enhance the transportation industry. Our industry expertise comes from hands-on experience attained while solving traffic management challenges across the country since the 1970s; our in-house team, including professional traffic engineers, hardware and software design and development staff, manufacturing personnel, and customer service/field application engineers; and regular dialogue with our customers to address their real-world operational issues and future traffic management requirements. Trafficware manufactures a full line of traffic equipment in its 90,000 square-foot technology center located in Sugar Land, Texas. In over three decades of manufacturing in the USA, our products have earned a reputation for unmatched quality and reliability. Through our innovative technology and breadth of knowledge and experience, Trafficware is engineering a better way to move the world.

Transcore (513)  
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TransCore develops innovative transportation solutions that deliver compelling value to our customers. We are experts in the planning, design, system deployment and operations of traffic management systems. We offer traffic signal control, freeway traffic management, adaptive traffic systems and managed lane solutions. Our traffic management systems have been deployed across North America, and we manage more than 17,000 intersections and thousands of miles of freeways. Visit us at Booth #513.

Transoft Solutions  
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Since 1991, Transoft Solutions™ has been developing productivity-enhancing, time-saving CAD software for the engineering design community. As a testament to its industry leading status, many government departments and AEC firms worldwide have made Transoft Solutions’ products their de facto standard on all their civil, transportation, and site development projects.

Transport Simulation Systems  
Inc. (320)  
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TSS – Transport Simulation Systems develops, markets and supports Aimsun traffic modeling software; travel demand modelling, static and dynamic traffic assignment with mesoscopic, microscopic and hybrid simulation, all within a single application. Aimsun Online is the market’s only simulation-based decision support system for real-time traffic management.

Trastar Inc. (928)  
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The McTrans Center at the University of Florida distributes and supports software programs for traffic engineering and transportation planning applications, including the Highway Capacity Software (HCS 2010), TSIS-CORSIM and TRANSYT-7F, with training courses and the highest level of technical support provided for these packages.

Vivotek (616)  
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VIVOTEK, established in 2000, has quickly taken its place as a leading brand in the security industry. Known for delivering world-class IP surveillance solutions, VIVOTEK specializes in system applications and integration. With innovative R&D teams adopting ground-breaking codec technologies, VIVOTEK provides a wide range of products, including network cameras, video servers, video receivers and central management systems. VIVOTEK (TAIEX: 3454) was listed on the Taiwan Stock Exchange in 2006. In 2008, a branch office was set up in California, USA. VIVOTEK is currently working with more than 150 authorized distributors in over 80 countries. For more information, please visit HYPERLINK “http://www.vivotek.com” www.vivotek.com.
Wavetronix (327)

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There’s radar, and then there’s Wavetronix radar. You’re responsible for safe, efficient roads and intersections, and drivers count on you every day to get it right. That’s why Wavetronix offers the world’s most accurate and reliable traffic detection radar for freeways, motorways, arterials and intersections. To learn more, visit wavetronix.com.

Western Systems (408)

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Western Systems was founded in 2001 to be the exclusive Pacific Northwest dealer and manufacture for the transportation industry. Western Systems products and services portfolio include controller cabinet manufacturing, sales and support for thirty-five major transportation manufacturers, traffic control systems support services, on-call field technical support, traffic signal and communications networks design, turn-key and joint venture business opportunities, and traffic engineering services.

Work Zone Clearinghouse - ARTBA (936)

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The Work Zone Safety Clearinghouse annually provides over 200,000 contractors and agency professionals with answers to work zone safety questions. Today ARTBA-TDF assumed ownership and responsibility for its operations and lead the management of the WZS Clearinghouse with its partners from the FHWA and TTI.