



# 2019 ITE WESTERN DISTRICT ANNUAL MEETING

*Harbouring the Future of Transportation*





# Welcome to Monterey, California

The Local Arrangements Committee is pleased to welcome you and your families to Monterey, CA! A joint effort between the San Francisco Bay Area and Central Coast Sections, this conference is the first time an ITE Western District Annual Meeting has been hosted in this beautiful city.

With a focus on “Harbouring the Future of Transportation,” the 2019 ITE Western District Annual Meeting has a robust and diverse technical program, a variety of exciting technical tours, an extensive group of vendors in the Exhibit Hall, and engaging presentations from Keynote Speaker Therese W. McMillan and Kickoff Luncheon Speaker Stanley Roberts. We hope you have a memorable conference making fish friends during Family Night at the world-famous Monterey Bay Aquarium, and we cannot wait to party hardy with you at an Awards Banquet straight from (or back to) the 80s. Show up Pretty in Pink and be Footloose while having the Time of Your Life... What a Feeling!

Outside of the meeting, we hope you will find some time to see all that Monterey has to offer, including Cannery Row, Fisherman’s Wharf, and Old Town Monterey. Be sure to show your conference badges at participating restaurants and merchants for discounts and promotions as part of the Monterey County Convention and Visitors Bureau’s “Flash Your Badge” program. Check out the Monterey Information Table at the Registration desk or the Monterey County CVB’s website to maximize your time in Monterey.

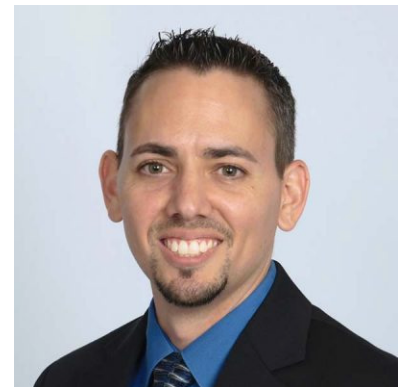
If you have any questions or needs with which we can assist you, please do not hesitate to ask any LAC representative or stop by the Registration desk.

Be sure to use #ite2019monterey on your Facebook, Twitter, and Instagram throughout the Annual Meeting. Enjoy your time in Monterey!

Kimberly Leung and Justin Link  
2019 LAC Co-Chairs



**Kimberly Leung**



**Justin Link**



#ite2019monterey



# President's Message

Welcome Western District to our 2019 Annual Meeting!

On behalf of the District Board and the 2019 Local Arrangements Committee, we are so happy you're all here in Monterey. I'd like to thank the 2019 LAC and the District LAC Committee for all their hard work in planning and now executing this meeting. There is a lot to look forward to with the technical program, tours, and the social activities. Our Family Night is at the famous Monterey Bay Aquarium, and I know many of us are looking forward to the event. I'd like to add to the fun of the Family Night event and encourage everyone to meet with our incredible Lifetime Achievement Award winners, so find a LAA winner at the Family Night event and take a selfie with them. The first person to show me the photo gets a fun prize. If you want to know which LAA winners are in attendance, check the Annual Meeting website under "Participants": [www.westernite.org/annualmeeting/participants](http://www.westernite.org/annualmeeting/participants).



**Neelam Dorman**

I hope you also have a chance to meet your Western District Board members during this meeting. If you don't know who they are, you can use this as your cheat sheet.

## 2019 Western District Board

### *President*



**Neelam Dorman**  
Kittelson & Associates

### *Vice President*



**Paul Barricklow**  
Lee Engineering

### *Secretary-Treasurer*



**Giancarlo Ganddini**  
Ganddini Group, Inc.

### *Past President*



**Mark Spencer**  
W-Trans

### *District Administrator International Director*



**Dalene J. Whitlock**  
W-Trans



**Karen Aspelin**  
MaxGreen Transportation  
Engineers

### *International Director International Director*



**Carlos Ortiz**  
Advantec Consulting  
Engineers



**Cathy Leong**  
Wilson Okamoto  
Corporation

## 2019 Western District Committee Chairs

### *Career Guidance Committee*

Josh McNeill  
Iteris

### *Public Relations Committee*

Paul Stanis  
SFMTA

### *Technical Committee*

Amit Kothari  
UCSF

### *Westernite Advertising Manager*

Robert Sweeting  
City of Thousand Oaks

### *District LAC Committee*

Cathy Leong  
Wilson Okamoto Corporation

### *Student Funding & Initiatives*

Kimberly Leung  
SFMTA

### *Website Manager*

Cameron Shew  
DKS Associates

### *Westernite Managing Editor*

Erica Jensen  
CRW Engineering Group

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## Contributors of Note

Clary Corporation • GHD • MaxGreen Transportation Engineers • W-Trans • Western Systems, Inc.



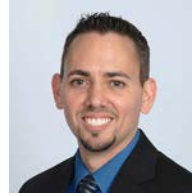
# 2019 Local Arrangements Committee

## Co-Chair



**Kimberly Leung**  
San Francisco Municipal  
Transportation Agency  
*San Francisco Bay Area Section*

## Co-Chair



**Justin Link**  
City of Simi Valley  
*Central Coast Section*

## Finance Chair



**Paul Stanis**  
San Francisco Municipal  
Transportation Agency  
*San Francisco Bay Area Section*

## Hotel Chair



**Tony Henderson**  
San Francisco Municipal  
Transportation Agency  
*San Francisco Bay Area Section*

## Registration Chair



**Justina Tran**  
Kimley-Horn  
*San Francisco Bay Area Section*

## Publicity Chair



**Katie Leung**  
Cruise Automation  
*San Francisco Bay Area Section*

## Technical Co-Chair



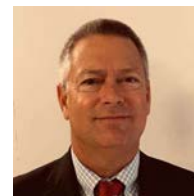
**Tom Mericle**  
Interwest Consulting  
Group  
*Central Coast Section*

## Technical Co-Chair



**Amit Kothari**  
University of California,  
San Francisco  
*San Francisco Bay Area Section*

## Technical Tour Chair



**Rich Deal**  
Transportation Agency  
for Monterey County  
*San Francisco Bay Area Section*

## Social Activities Chair



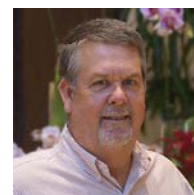
**Travis Low**  
Central Coast  
Transportation  
Consulting  
*Central Coast Section*

## Sponsorship Chair



**Zaki Mustafa**  
Transforming A Life  
*Riverside-San Bernardino Section*

## Exhibit / Vendor Chair



**Robert Sweeting**  
City of Thousand Oaks  
*Central Coast Section*

# Opening General Session

Monday, June 24th | 8AM - 9:30AM | Monterey Ballroom

## Agenda

<b>Local Arrangements Committee Welcome</b> .....	Kimberly Leung and Justin Link, <i>Co-Chairs</i>
<b>ITE Western District Welcome</b> .....	Neelam Dorman, <i>ITE Western District President</i>
<b>Welcome to Monterey</b> .....	Dan Albert, <i>City of Monterey Vice Mayor</i>
<b>Keynote Speaker Introduction</b> .....	Kimberly Leung, <i>Co-Chair</i>
<b>Keynote Speaker</b> .....	Therese W. McMillan, <i>Metropolitan Transportation Commission Executive Director</i>
<b>Close Opening Session</b> .....	Justin Link, <i>Co-Chair</i>

## Guest Speaker

Born and raised in Monterey, Dan Albert Jr. held various positions over the course of his 31-year career in education. He was a teacher, coach, and activities director before becoming a district administrator. In June 2016, he retired as the Associate Superintendent of Business Services with the Monterey Peninsula Unified School District. In November 2016, Mr. Albert was elected Vice Mayor of Monterey.

Vice Mayor Albert's leadership approach is to be collaborative, equitable, strategic, and accountable. He strives to build consensus around common goals and to employ strategies that produce tangible and measurable results. As a life-long resident and family man, Vice Mayor Albert is passionate about preserving the unique character of Monterey and protecting the quality of life for residents and visitors.



**Dan Albert**  
*City of Monterey*





# Keynote Speaker

## Therese W. McMillan

*Executive Director, Metropolitan Transportation Commission*

Therese Watkins McMillan's recent return to the MTC in March 2019 was a homecoming of sorts, having worked on staff at the MTC for 25 years, eight of which as MTC's Deputy Executive Director for Policy. In 2009, she was appointed by President Obama to serve as Deputy Administrator of the Federal Transit Administration, and later as Acting Administrator from March 2014 to March 2016. She made her way to Southern California in April 2016, serving as Chief Planning Officer for the Los Angeles County Metropolitan Transportation Authority (LA Metro) until February of this year.



**Therese McMillan**  
*Metropolitan Transportation Commission*

During the final five years of her original tenure at the MTC, Ms. McMillan was an instructor of transportation funding and finance in the Transportation Management Graduate program at San Jose State University's Mineta Transportation Institute. Ms. McMillan has served since 2012 as a member of the Advisory Board for the UCLA Lewis Center for Regional Policy Studies and was named a senior fellow for the 2011-12 academic year at the UCLA Luskin School of Public Affairs. She received an Alumni Award of Distinction from the UC Davis College of Agriculture and Environmental Studies in 2016; a Women Moving the Nation award from the Conference of Minority Transportation Officials in 2013; and a Distinguished Alumna Award from the UC Berkeley College of Environmental Design in 2011. Ms. McMillan has long been active in the Women's Transportation Seminar (WTS) and served as president of the San Francisco Chapter in 1989 and 1990. She was named WTS National Woman of the Year in 2016, and Woman of the Year for the Washington, D.C. Chapter in 2015 and the Los Angeles Chapter in 2011. WTS' San Francisco Bay Area Chapter named Ms. McMillan as its Member of the Year for 2002 and as its Woman of the Year for 2010.

Ms. McMillan received a bachelor of science degree from UC Davis in 1981, a master's degree in Civil Engineering Science from UC Berkeley in 1983, and a master's degree in City and Regional Planning from UC Berkeley in 1984.



**Don't miss the Exhibitors in the Regency Grand Ballroom!**

**Sunday 5PM - 7:30PM**

**Monday 7AM - 5PM**

**Tuesday 7AM - 11:30AM**

# Kickoff Luncheon

Monday, June 24th | 11:30AM - 1PM | Monterey Ballroom

## Agenda

<b>Call to Order</b> .....	Kimberly Leung and Justin Link, <i>Co-Chairs</i>
<b>Recognition of LAC Committee Chairs</b> .....	Neelam Dorman, <i>ITE Western District President</i>
<b>Introduction of Western District Board Members</b> .....	Neelam Dorman, <i>ITE Western District President</i>
<b>Recognition of Leadership ITE Class of 2019 and Leadership Classes of 2014-2018</b> .....	Neelam Dorman, <i>ITE Western District President</i>
<b>Messages from ITE International</b> .....	Jeff Paniati, <i>ITE International Executive Director</i> Bruce Belmore, <i>ITE International President</i>
<b>Kickoff Luncheon Speaker Introduction</b> .....	Justin Link, <i>Co-Chair</i>
<b>Kickoff Luncheon Speaker</b> .....	Stanley Roberts, <i>AZ Family Broadcast Journalist</i>
<b>Close Kickoff Luncheon</b> .....	Kimberly Leung, <i>Co-Chair</i>



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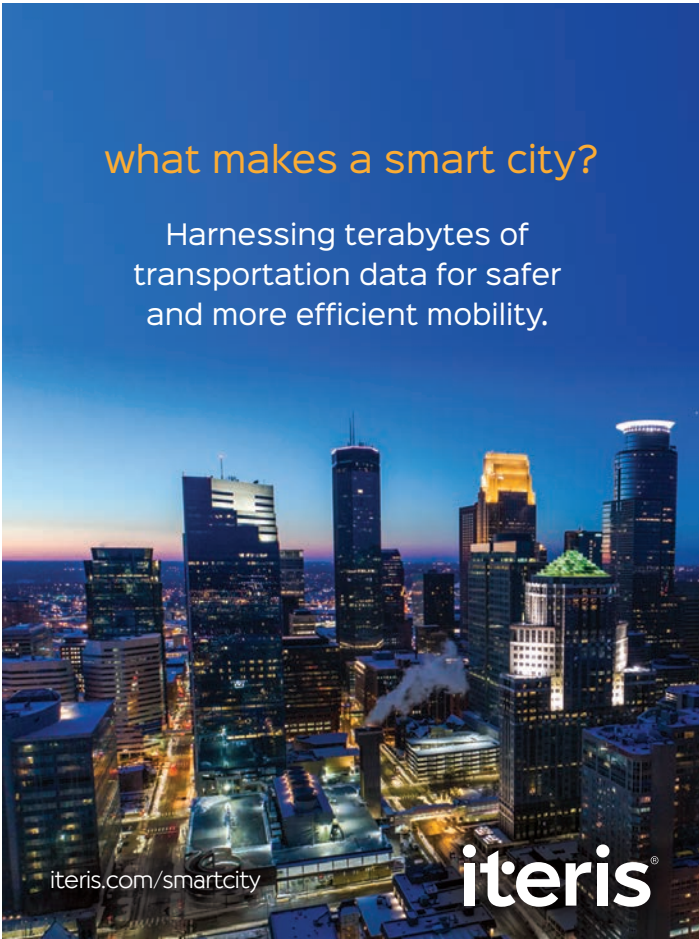
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# Kickoff Luncheon Speaker

## Stanley Roberts

Broadcast Journalist, AZFamily

Stanley Roberts is a multi award-winning broadcast journalist, famous for his TV news segments "People Behaving Badly" and "Caught Misbehaving," wherein he would expose "individuals who brazenly defy the law or common courtesy, risking social and/or legal consequences."

Born in Philadelphia, raised in Camden, New Jersey, and a resident of the Salinas River Valley between 1984 and 1990, Mr. Roberts was instrumental in the founding of local Monterey/Salinas TV station KCBA Fox 35 News. He found his way to Los Angeles in 1990 as a broadcast journalist for stations KABC, KCBS, and KTTV, as well as the syndicated show "LAPD – Life on the Beat." While in L.A., Mr. Roberts covered many high-profile events, including the O.J. Simpson and Rodney King trials, the 1992 Los Angeles Riots, and the Northridge Earthquake. He made it to the Bay Area in 1998, launching the segment "People Behaving Badly" on station KRON. After 20 years with KRON, Mr. Roberts moved to Phoenix, where he currently hosts "Caught Misbehaving" on AZFamily stations KPHO and KTVK.



Photo from azfamily.com

**Stanley Roberts**  
AZFamily

Mr. Roberts has several Emmy Nominations and has won four Golden Mike Press Television-Radio Association Awards. He has also received multiple letters of recognition from the United States Congress, the State of California Senate, and many other government agencies.

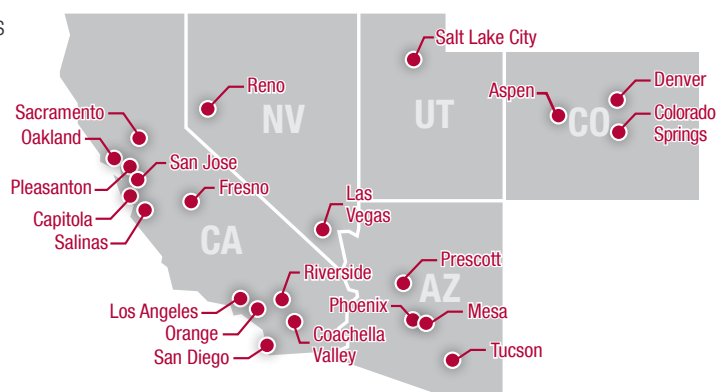


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# Technical Program Schedule

Track	A	B	C	D
2	<b>2A: Safety Programs</b>	<b>2B: Traffic Signal Timing</b>	<b>2C: Mobility as a Service Hosted by ITE Coordinating Council</b>	<b>Student &amp; YP</b>
Monday, June 24 10AM to 11:30AM	<p><b>MODERATOR:</b> Ben Waldman   Apex Design</p> <p><b>PRESENTERS:</b>  <b>Ejaz Khan</b>   Clark County - <i>Clark County Safety Program</i>  <b>Thalia Leng</b>   City of San Francisco - <i>San Francisco's Safe Streets Evaluation Program</i>  <b>Matthew Bomberg</b>   City of Fremont - <i>Fremont Vision Zero Program: A City Getting Safer</i>  <b>Anurag Pande</b>   California Polytechnic State University, San Luis Obispo - <i>Strategic Investment Decisions on Highway Improvement Projects</i></p>	<p><b>MODERATOR:</b> Scott Kelley   Greenlight Traffic Engineering</p> <p><b>PRESENTERS:</b>  <b>Jose Guedes</b>   Advantec Consulting Engineers - <i>Citywide Adaptive Control System in Culver City</i>  <b>Andrea Renny</b>   City of Monterey - <i>Adaptive Signal Control in Monterey</i>  <b>Christopher Sobie</b>   Lee Engineering - <i>Evolving from Traditional Signal Timing to Proactive Signal Timing and Maintenance</i>  <b>Victoria Edington</b>   Stantec - <i>300 Traffic Signals, One Retiming Project: Lessons Learned</i></p>	<p><b>MODERATOR:</b> Carlos Ortiz   Advantec Consulting Engineers</p> <p>Emerging innovation in shared mobility technologies and services presents a challenge as to how MaaS might be implemented in our communities. Many of our members are struggling to even define MaaS. This session, sponsored by the ITE Coordinating Council, will have presentations that discuss this topic and elicit participation of attendees to shape how ITE can provide activities and services that best meet member needs in this area.</p>	Student Traffic Bowl/Pre-Qual
3	<b>3A: Complete Streets Evaluations</b>	<b>3B: Autonomous / Connected Vehicles</b>	<b>3C: Smart Mobility</b>	<b>Student &amp; YP</b>
Monday, June 24 1PM to 2:30PM	<p><b>MODERATOR:</b> Joe De La Garza   WSP</p> <p><b>PRESENTERS:</b>  <b>Anurag Pande</b>   California Polytechnic State University, San Luis Obispo - <i>Assessing Complete Streets and Tactical Urbanism Using Microscopic Traffic Simulation Models</i>  <b>Kendra Rowley</b>   Fehr &amp; Peers - <i>Evaluating Success: Complete Streets Before and After</i>  <b>Ian Barnes</b>   Fehr &amp; Peers - <i>The Bigger Picture: Using Big Data to Determine Effects and Benefits After Project Implementation</i></p>	<p><b>MODERATOR:</b> Ronald Keith   Advantec Consulting Engineers</p> <p><b>PRESENTERS:</b>  <b>Allen Wang</b>   Fehr &amp; Peers - <i>Autonomous Vehicles on Arterial Streets and Intersections - A Simulation Analysis</i>  <b>Omar Raddaoui</b>   University of Wyoming - <i>Assessment of Connected Vehicle Work Zone Warnings Effectiveness for Truck Drivers</i>  <b>Julie Kentosh</b>   City of Portland - <i>ODOT Connected Vehicle Applications</i>  <b>Shane Zumpf</b>   Trihydro Corporation - <i>Traffic Management Center 2.0 - Lessons in Integrating a Connected Vehicle Environment</i></p>	<p><b>MODERATOR:</b> Daniel Lai   City of Bellevue</p> <p><b>PRESENTERS:</b>  <b>Scott Thomas</b>   Apex Design - <i>Denver and Colorado: Smart City and State</i>  <b>Tim Erney</b>   Kittelson &amp; Associates - <i>Hidden Effect of Transformational Technologies on Land Use and Planning</i>  <b>Michael Schmitt</b>   Kimley-Horn - <i>Sacramento Smart Mobility Plan</i>  <b>Jim Damkowitz</b>   GHD - <i>State Route 68 Scenic Highway Plan - Smart Mobility Framework Case Study</i></p>	Student Leadership Forum
4	<b>4A: Complete Streets and Safety</b>	<b>4B: Operations and Design</b>	<b>4C: Curb Management Guidelines</b>	<b>Student &amp; YP</b>
Monday, June 24 3:30PM to 5PM	<p><b>MODERATOR:</b> Mary Jo Yung   W-Trans</p> <p><b>PRESENTERS:</b>  <b>Joshua Saak</b>   Ada County - <i>Data Driven Traffic Calming Policy</i>  <b>Ross Ainsworth</b>   GHD - <i>Evolution of a Complete Street in Napa</i>  <b>Lindsey Van Parys</b>   GHD - <i>Roadway Repurposing through Roundabouts</i>  <b>Gabriel Ho</b>   City of San Francisco - <i>Speed Humps on Steep Roadways</i></p>	<p><b>MODERATOR:</b> Pamela O'Brien   DKS Associates</p> <p><b>PRESENTERS:</b>  <b>Lynne Yocom</b>   State of Utah - <i>The Three PPP's of Fiber Optics: Building and Leveraging Fiber Optic Systems</i>  <b>Peter Yu</b>   Pullman High School - <i>Evaluation of an Alternative, Unique Intersection Scheme: The Continuous Turbo Intersection</i>  <b>Jaime Rodriguez</b>   Traffic Patterns - <i>Active Internet of Things (IoT): Transportation Projects in Both Walnut Creek and Saratoga Using IoT Solutions</i>  <b>Doug Bilse</b>   City of Carlsbad - <i>Improving Traffic Signal Operations Using Travel Information Systems</i></p>	<p><b>MODERATOR:</b> N/A</p> <p><b>PRESENTERS:</b>  <b>Steve Davis</b>   Fehr &amp; Peers - <i>Kicking Chaos to the Curb: Using ITE's Curbside Management Guide</i>  <b>Geoff Rubendall</b>   Fehr &amp; Peers - <i>Re-Envisioning the Curb: A Framework to Improve Access for People</i></p>	Student Traffic Bowl

Last updated 6/7/19 rev1

# Technical Program Schedule

Track	A	B	C	D
5	<b>5A: Government and Institutional Traffic Issues</b>	<b>5B: Planning</b>	<b>5C: Curb Management</b>	<b>Student &amp; YP</b>
Tuesday, June 25 8AM to 9:30AM	<p><b>MODERATOR:</b> Cameron Shew   DKS Associates</p> <p><b>PRESENTERS:</b> <b>Molly McCormick</b>   Kittelson &amp; Associates - <i>Oregon State University Context Sensitive Transportation Solutions</i> <b>Kevin Carstens</b>   W-Trans - <i>From Low Bridges to Old Bridges: How to Haul Hazardous Material through a Neighborhood</i> <b>Matthew McCluney</b>   California State University, Monterey Bay - <i>Learning from Campus: Universities as Transportation Laboratories</i></p>	<p><b>MODERATOR:</b> Erik Ruehr   VRPA Technologies</p> <p><b>PRESENTERS:</b> <b>Ruben Hovanesian</b>   City of Palmdale - <i>From 0 to 60 in 2 Years: How Smart Can Go Past Being a Buzzword and Become Imbedded in Safety, Planning, and Engineering</i> <b>Jodie Snyder</b>   Felsburg Holt &amp; Ullevig - <i>Risk, Resilience, Innovation, and Planning in the Age of the Unexpected</i> <b>Karen Mack</b>   City of San Jose - <i>Implementing SB743 in Suburban San Jose: Challenges Faced Transitioning from LOS to VMT</i> <b>Mark Johnson</b>   MTJ Engineering - <i>Performance Based Planning with Roundabouts</i></p>	<p><b>MODERATOR:</b> Ryan Zellers   Michael Baker International</p> <p><b>PRESENTERS:</b> <b>Jay Dinkins</b>   City of Santa Monica - <i>Curb Allocation and Shared Mobility Devices</i> <b>David Wasserman</b>   Fehr &amp; Peers - <i>Envisioning the Future of the Curb with Procedural Streets</i> <b>Doug Smith</b>   HDR - <i>Responding to the Needs of Emerging Technologies in Airport Operations: How JWA is Meeting the Demand of TNCs</i></p>	Student Resume Workshop
6	<b>6A: Transit</b>	<b>6B: Interchanges and Freeways</b>	<b>6C: Scooters</b>	<b>Student &amp; YP</b>
Tuesday, June 25 10AM to 11:30AM	<p><b>MODERATOR:</b> Jenny Grote   GroTrans Engineering</p> <p><b>PRESENTERS:</b> <b>Wulf Grote</b>   Valley Metro Regional Public Transportation Authority - <i>Light Rail Roundabouts in Phoenix</i> <b>Joseph Perrin</b>   A-Trans Engineering - <i>Light Rail and Roundabouts: A True Complete Street on Main Street</i> <b>Caralee Jaeckels</b>   Kimley-Horn - <i>Bus on Shoulder Projects in San Diego</i> <b>Tal Green</b>   City of San Francisco - <i>Using High Resolution Transit Geolocation Data to Analyze Performance and Identify Intersections for Transit Signal Priority Implementation</i></p>	<p><b>MODERATOR:</b> Joseph Hart   David Evans and Associates, Inc.</p> <p><b>PRESENTERS:</b> <b>Rui Yue</b>   University of Nevada, Reno - <i>An Evaluation of Operational Efficiency between Single Point Urban Interchange with Frontage Road and Tight Diamond Interchange</i> <b>Chengxin Dai</b>   HDR - <i>Innovative Performance Evaluation Matrix for Solving Urban Freeway and Interchange Congestion</i> <b>Maggie Lin</b>   DKS Associates - <i>Using Big Data in Freeway Planning Studies</i> <b>Amanda Deering</b>   DKS Associates - <i>Comparison and Analysis of Big Data for a Regional Freeway Study in Washington State</i></p>	<p><b>MODERATOR:</b> Sabine Ellis   City of Mesa</p> <p><b>PRESENTERS:</b> <b>Jonathan Hofert</b>   Los Angeles County Metropolitan Transportation Authority - <i>A Tale of Perspectives on Micro Mobility and Parking in Los Angeles County</i> <b>Oliver Chi</b>   City of Monrovia - <i>City, Lyft, and LimeBike Partnership</i> <b>Hassan Ahmed</b>   Kittelson &amp; Associates - <i>Scooters: The Good, the Bad, and the Ugly</i> <b>Monica Suter</b>   City of Santa Ana - <i>Santa Ana's Active Transportation Program and Electric Scooters</i></p>	Young Professional's Career Survival Guide
7	<b>7A: Safety</b>	<b>7B: Bikeways</b>	<b>7C: Parking / TDM</b>	<b>Student &amp; YP</b>
Tuesday, June 25 1:30PM to 3PM	<p><b>MODERATOR:</b> Yung Koprowski   Y2K Engineering</p> <p><b>PRESENTERS:</b> <b>Raid Tirhi</b>   City of Bellevue - <i>The Use of ITS Technologies in Collision Investigation</i> <b>Wes Marshall</b>   University of Colorado, Denver - <i>Understanding the Safe Systems Approach to Vision Zero through International Road Safety Disparities</i> <b>KC Yellapu</b>   Linscott, Law &amp; Greenspan, Engineers - <i>Innovative Approach for Rural Highway's Vision Zero</i> <b>Scott Kelley</b>   Greenlight Traffic Engineering - <i>Prioritization of Systemic Roadway Light Pole Replacement</i></p>	<p><b>MODERATOR:</b> Jennifer Rosales   City of Costa Mesa</p> <p><b>PRESENTERS:</b> <b>Miriam Jim</b>   City of Escondido - <i>Escondido Creek Bikeway Project: Two-Way Cycle Track</i> <b>Kimberly Leung</b>   City of San Francisco - <i>Valencia Street Bikeway Improvements Project</i> <b>Kevin Aguigui</b>   Kimley-Horn - <i>North Fremont Street Median Bike Lanes</i></p>	<p><b>MODERATOR:</b> Tim Harpst   Horrocks Engineers</p> <p><b>PRESENTERS:</b> <b>Frederik Venter</b>   Kimley-Horn - <i>TDM Toolkit for Monterey</i> <b>Ryan Caldera</b>   Fehr &amp; Peers - <i>Parking in Santa Clara County: A Regional Analysis of Housing, Parking Supply, Demand, and Perceptions of Occupancy</i> <b>Paul Brown</b>   Felsburg Holt &amp; Ullevig - <i>Colorado's Statewide Truck Parking Assessment</i> <b>Patrick Lee</b>   Concord Engineering - <i>Paid On-Street Parking Management with Parking Meter Data</i></p>	Speed Interviews for Students and Young Professionals

Last updated 6/7/19 rev1



# Technical Program Schedule

Track	A	B	C
8	<b>8A: Active Transportation</b>	<b>8B: Roundabouts</b>	<b>8C: Innovations in Public Outreach and Perception</b>
Wednesday, June 26 8:30AM to 10AM	<p><b>MODERATOR:</b> Zoubir Ouadah   San Diego County</p> <p><b>PRESENTERS:</b>  <b>Grant Schultz</b>   Brigham Young University - <i>Compliance at Ped Crossings</i>  <b>David Roseman</b>   Albert Grover and Associates - <i>Your System Does What? The Hybrid Pedestrian Interval</i>  <b>Bill Delo</b>   IBI Group - <i>Crowdsourcing Pedestrian and Bicycle Improvements through Walk Audits</i></p>	<p><b>MODERATOR:</b> Rich Deal   Transportation Agency for Monterey County</p> <p><b>PRESENTERS:</b>  <b>Kenneth Isenhower</b>   GHD - <i>Holman Highway Roundabout: Key to Unlocking Congestion for the Monterey Peninsula</i>  <b>Reh-Lin Chen</b>   City of San Leandro - <i>The First Modern Roundabout Plan in San Leandro</i>  <b>Mark Johnson</b>   MTJ Engineering - <i>Confused about Signing and Marking at Roundabouts? Key Design Components for Successful Implementation</i>  <b>Bill Baranowski</b>   Roundabouts USA - <i>Turbo Roundabout Design Guidelines</i></p>	<p><b>MODERATOR:</b> Karen Aspelin   MaxGreen Transportation Engineers</p> <p><b>PRESENTERS:</b>  <b>Heather Edic</b>   Kinney Engineering - <i>Anchorage's Glenn Highway: Using Online Survey Tools to Gather Public Input on a Major Corridor</i>  <b>Hans Larsen</b>   City of Fremont - <i>The Fremont Mobility Action Plan - Engaging the Community to Address Transportation Challenges</i>  <b>Jim Hanson</b>   Atkins - <i>Applying Experiential Public Engagement and Ideation to Develop People-Focused Transportation Solutions Based on Technology and Innovation</i>  <b>Ricardo Olea</b>   City of San Francisco - <i>Traffic Engineering in Children's Literature</i></p>
9	<b>9A: Active Transportation</b>	<b>9B: Corridors</b>	<b>9C: Big Data</b>
Wednesday, June 26 10:30AM to 12PM	<p><b>MODERATOR:</b> Devin Moore   Kimley-Horn</p> <p><b>PRESENTERS:</b>  <b>Darwin Galang</b>   City of Mountain View - <i>Castro Street Multi-Modal Improvements Project</i>  <b>Sheila Marquises</b>   City of Fremont - <i>The Fremont Multi-Modal Path to Measure BB Funding</i>  <b>Erica Jensen</b>   CRW Engineering Group - <i>All Ages and Abilities Bicycle Facilities: A Network that Works for Everyone</i></p>	<p><b>MODERATOR:</b> Dalene Whitlock   W-Trans</p> <p><b>PRESENTERS:</b>  <b>Matt Kennedy</b>   GHD - <i>Shared Success - Two Projects, One Commercial Corridor for Today and the Future in Ukiah, CA</i>  <b>Josh Peterman</b>   Fehr &amp; Peers - <i>Fremont's Approach to Targeting Corridor Improvements</i>  <b>Aaron Heumann</b>   City of Littleton - <i>Mineral Avenue Corridor Assessment</i>  <b>Frederik Venter</b>   Kimley-Horn - <i>A Fresh Approach to Integrated Corridor Analysis</i></p>	<p><b>MODERATOR:</b> Jonathan Hofert   Los Angeles County Metropolitan Transportation Authority</p> <p><b>PRESENTERS:</b>  <b>Briana Calhoun</b>   Fehr &amp; Peers - <i>Using Big Data to Forecast First/Last Mile Transit Ridership</i>  <b>Mike Wallace</b>   Fehr &amp; Peers - <i>The Future of Urban Goods Movement: An Implementation of Data Driven Methods</i>  <b>Yung Koprowski</b>   Y2K Engineering - <i>Crash Analysis Using Business Intelligence Data Analysis Software</i>  <b>James Colyar</b>   Federal Highway Administration - <i>Use of Crowdsourcing to Advance Operations</i></p>

## See you at future Western District Annual Meetings



Honolulu, Hawaii • June 28 - July 1, 2020

Portland, Oregon • July 18 - July 21, 2021

Palm Springs, California • June 26 - 29, 2022

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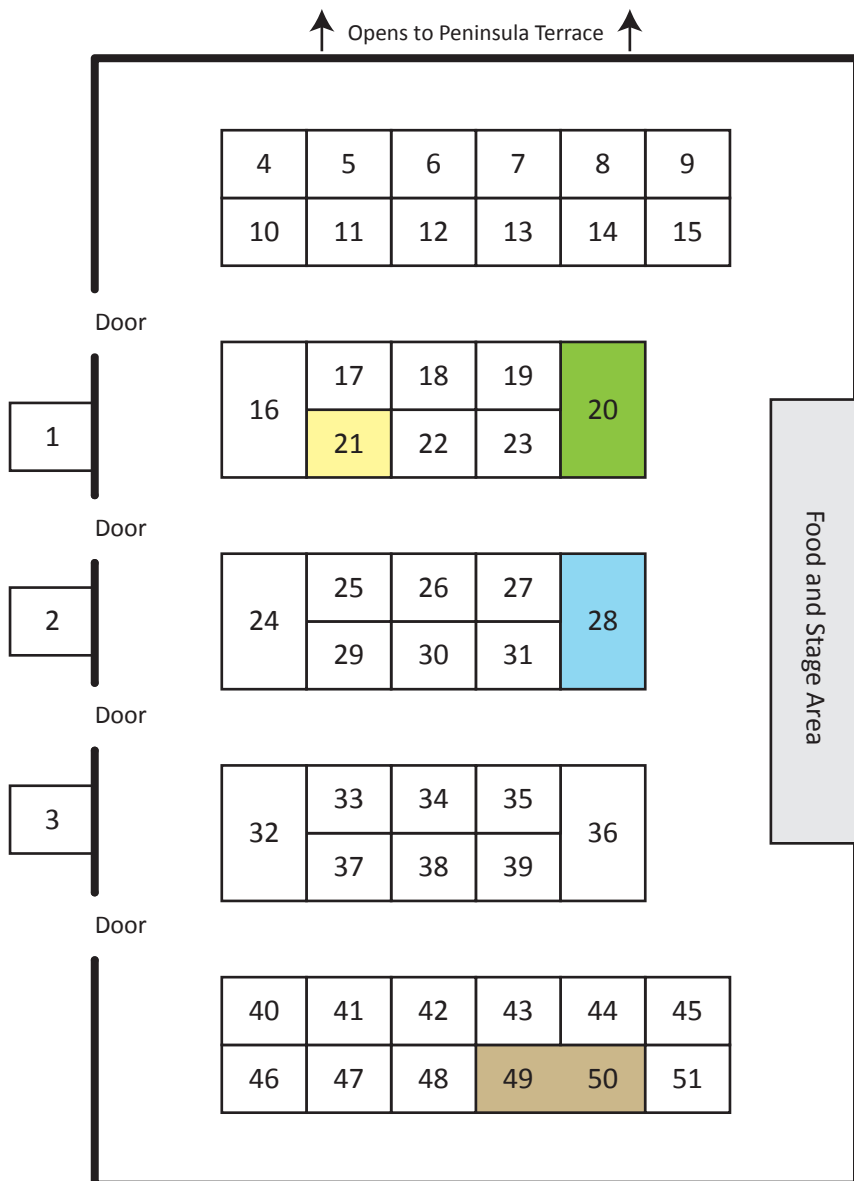
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# Exhibit Hall

Exhibitor Name	Booth
Advanced Traffic Products, Inc.	33
Antaira Technologies	23
Applied Information, Inc.	7
Cal Signal Corp.	37
Carmanah Technologies	4
Cohu HD Costar	38
ComNet	3
Counts Unlimited	6
CT West / Miovision	36
Daktronics	22
Eaton-Cooper / CIMCON	13
Econolite Group, Inc.	28
Electrotechnics Corporation	8
Fortel Traffic, Inc.	51
GGI Road and Traffic	11
Gridsmart	41
Hawaii LAC	50
Holophane Lighting	46
IDAX Data	47
Image Sensing Systems	12
ITERIS, Inc.	21
JAM Services, Inc.	17
LaneLight / ITEM, Ltd.	32
MaxCell	48
McCain, Inc.	16
MSI Tec, Inc.	1
NDS Data	14
NexTech Systems, Inc.	18
Pelco Products, Inc.	29
Pexco	40
Polara	15
PTV Group	31
Quality Counts	44
Rugged Com / Siemens Industry, Inc.	25
SIQURA	5
Sky Bracket	10
SKYLINE Products	26
South Coast Lighting & Designs	45
Statewide Traffic Safety & Signs	9
Streetlight Restoration Specialists, Inc.	30
Student Endowment Fund	49
Summit-Crest	35
TAPCO	43
Tesco Controls, Inc.	2
TJKM	34
TrafficCast	19
Trafficware	20
Urban Logiq	42
Western Pacific Signal	39
Western Systems, Inc.	24
Wireless Technology Inc. (WTI)	27

## Visit Exhibitors in the Regency Grand Ballroom Upper Level of the Regency Conference Center



- Double Eagle Sponsor
- Eagle Sponsor
- Birdie Sponsor
- Western District Booths

# Things to See and Do in Monterey

## Cannery Row

Made famous by the Steinbeck novel from which it was renamed in 1958, Cannery Row was the center of Monterey's historic sardine processing and canning industry. Today, Cannery Row is home to shops, hotels, restaurants, and museums.



View along Cannery Row

## Monterey Bay Aquarium

Located at the ocean's edge, the Monterey Bay Aquarium is a window to marine life – for dive masters and non-swimmers alike. It is home to sea otters, penguins, sharks, jellies, and thousands of other marine animals and plants. Its mission is to inspire conservation of the oceans.



Exterior of the Monterey Bay Aquarium

## Monterey Zoo

Get up close and personal with wild, exotic animals from around the world in a beautiful natural setting for an unforgettable family adventure!

## Steinbeck Center

The only museum in the country dedicated to a single author, the National Steinbeck Center in Salinas, CA documents the life and literary works of legendary author John Steinbeck. Steinbeck spent his formative years in Monterey and Salinas and set his novels in the same locale.

## Monterey Bay

Take a stroll on Old Fisherman's Wharf to enjoy the panoramic views of the Monterey Bay, or if you and your family are feeling adventurous, join a whale watching tour or a guided kayak trip on the bay!



Boats in the Monterey Marina

## Museums

Once the Capital of California during Mexican rule, Monterey is rich in history and home to many museums that preserve it. With museums dedicated to topics like Monterey history and art (and even motorcycles!), there is surely a museum in town that will pique anyone's interest!

Looking for more things to see and do?  
Visit the Monterey County Convention & Visitors Bureau:  
[www.seemonterey.com/2019-ite-western-district-annual-meeting](http://www.seemonterey.com/2019-ite-western-district-annual-meeting)





# Things to See and Do in Monterey

## Historical Attractions

While Monterey is known for its scenic views, Monterey is also rich in history and contains many historical attractions. San Carlos Cathedral (The Royal Presidio Chapel), the Custom House, and Point Pinos Lighthouse are just a few historical sites to explore while visiting Monterey.



Point Pinos Lighthouse



Southern Pacific steam locomotive at Dennis the Menace Playground

## Dennis the Menace Playground

Created in 1956, the Dennis the Menace Playground continues to delight visitors today. The playground contains large slides, tunnels, a hedge maze, climbing walls, and more. Both children and adults can also marvel at the 1924 Southern Pacific steam locomotive on display in the park.



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# Technical Workshop and Tours

## Technical Workshop 1: Intro to Networking for ITS

**Sunday, June 23 | 1PM - 5PM | Cypress**

Attendees can expect to learn how network communications are applied to ITS applications from engineers with experience deploying both IT and ITS networks. While you will not be an IT expert at the end of this workshop, you will get to know the important considerations for installing new networks and upgrading existing networks, while keeping in mind the unique nature of ITS applications.



*View along Fisherman's Wharf, Monterey*

## Technical Tour 1: 17-Mile Drive Bicycle Tour

**Sunday, June 23 | 12PM - 5PM**

Originally conceived by the Big Four Railroad barons as a scenic drive to the Del Monte Hotel in Monterey, 17-Mile Drive now plays host to million-dollar estates and picturesque golf links. Portions of the route are gated and require an entrance fee unless you live within the Pebble Beach community or you happen to be on a bike.

Bike ride from the Hyatt Hotel to the Monterey Bay Sanctuary Scenic Trail. Ride on the abandoned Union Pacific rail right-of-way, past the Monterey Harbor, Fisherman's Wharf, and the Historic Custom House to Cannery Row, the Monterey Bay Aquarium, and Hopkins Marine Station. Continue along the coast and watch sea otters play in the kelp. Ride into Pebble Beach along 17-Mile Drive, past golf courses and waves crashing on the beach.

## Technical Tour 2: Complete Streets of Monterey Tour

**Monday, June 24 | 7:30AM - 11:30AM**

For years, the car has dominated the curb-to-curb landscape. With a new focus on safety and multimodalism, jurisdictions are now moving towards new roadway designs with the conversion of Class II bike lanes to Class IV separated bikeways, wider sidewalks, and new transit routes. Thus, the "Complete" Street was born.

Travel by bike from the Hyatt Hotel into Historic Downtown Monterey, through Custom House Plaza, to Fisherman's Wharf. Ride along the Monterey Bay Sanctuary Scenic Trail to Cannery Row, the Monterey Bay Aquarium, and Lovers' Point. Enjoy the amazing sea life along the Monterey Bay. Ride back to the Hyatt Hotel and share selfies with sea otters.



*Old Monterey—home to Historic Downtown, restaurants, shops, and more*



# Technical Workshop and Tours



Entrance to the Holman Highway roundabout

## Technical Tour 3: Roundabouts: The Monterey Experience

Monday, June 24 | 1PM - 5PM

While modern roundabouts may be a common sight in the majority of the Western District, this intersection treatment is still catching on in California. With limited right-of-way, myriad utilities at existing intersections, and costly land acquisition where it is available, designers must be creative when designing and constructing roundabouts.

Travel by bus to the highly successful double roundabout that replaced a congested traffic signal at the intersection of the Highway 1 Southbound Ramps / Holman Highway 68 and the Pebble Beach Main Gate. Walk corner to corner and learn how this \$10.7 million roundabout that is located at the junction of four separate jurisdictions was designed and constructed on-time and on-budget. Learn about the intensive education and outreach program that turned opposition into approval for the first highway roundabout built on the Central Coast.

Tour sponsored by:



## Technical Tour 4: North Fremont Street Cycle Track

Tuesday, June 25 | 7:30AM - 11:30AM

What do you get when you combine electric bikes and a median cycle track? More fun than adults are allowed to have!

Travel to North Fremont Street and experience the recently completed two-way median cycle tracks. Interact with the designers and gain an understanding of the signal operations and safety considerations of median cycle tracks.



The MST Monterey Trolley

## Technical Tour 5: Monterey-Salinas Transit BRT

Tuesday, June 25 | 1PM - 5PM

How do you decrease travel times by as much as 25 minutes on a seven mile route? With Bus Rapid Transit (BRT), of course! The culmination of efforts by transit engineers and planners from Sand City, Seaside, and Monterey, the Monterey-Salinas Transit (MST) JAZZ BRT employs Transit Signal Priority (TSP), queue jump lanes, and increased stop spacing to significantly reduce travel times on non-exclusive right-

of-way. Further, a partnership with the Monterey Jazz Festival provides an entertaining and educational history of jazz in the Monterey Bay Area with 30 custom-designed bus shelters along the route.

Travel by bus along the successful BRT lines throughout the Monterey Bay and tour the Monterey-Salinas Transit facility. Experience a queue jump at an on-ramp, bus priority signals on a congested corridor, and JAZZ Line BRT musical bus stops.

# Students & Young Professionals

## “Not Like the Otters” MiteY Race

**Saturday, June 22 | 3PM - 5PM**

The MiteY Race is modeled after the hit television series “The Amazing Race” where teams follow clues and complete challenging but fun tasks to race for first place! Separate registration required, with all registration fees supporting the Richard T. Romer Student Endowment Fund.

## James H. Kell Student Design Competition

**Sunday, June 23 | 12PM - 5PM | Windjammer**

All students are invited to participate in this mystery design challenge created by your peers! Students will compete in a team design challenge for prize money. Teams will be formed on the day of the challenge and consist of students from different student chapters.

## Get Acquainted Social Fundraiser for the Student Endowment Fund

**Sunday, June 23 | 5PM - 7:30PM | Regency Grand Ballroom**

Meet and mingle with both professionals and other students from the Western District. Volunteer to help run our fun bucket toss activity to raise money for the Richard T. Romer Student Endowment Fund.

## Student Leadership Forum

**Monday, June 24 | 1PM - 2:30PM | Oak Tree**

All students, student chapter leaders, and faculty advisors are invited to join a discussion on best practices for student chapters, facilitated by ITE’s International Transportation Education Council Chair, Grant Schultz. Topics will include chapter activities, fundraising, and recruitment efforts. Come share your own ideas or learn what other chapters are doing in the Western District – together we can help each other be the best chapters in ITE!

No advance registration needed for student activities unless noted.

## Student Traffic Bowl

**Monday, June 24 | 2:30PM - 5PM | Windjammer**

The ITE Collegiate Traffic Bowl is an annual competition between ITE student chapter teams using transportation planning and engineering topics for the clues, questions, and answers. The winning team will go on to compete at the Collegiate Traffic Bowl Grand Championship at the ITE International Meeting. Teams are required to attend the Pre-Quals on Monday at 10AM in Windjammer.

## Student Resume Workshop (5D)

**Tuesday, June 25 | 8AM - 9:30 AM | Oak Tree**

Bring your resume to be professionally reviewed.

## Young Professional’s Career Survival Guide (6D)

**Tuesday, June 25 | 10AM - 11:30AM | Oak Tree**

Learn how to deal with some of the challenges of being a young professional in today’s workplace from experienced transportation professionals.

## Speed Interviews for Students and Young Professionals (7D)

**Tuesday, June 25 | 1:30PM - 3PM | Oak Tree**

Come and practice your interview skills at our Speed Interview event. Attendees will have three minutes to dazzle our volunteer professionals with their answers to challenging interview questions.

## Student Chapter Annual Meeting Award

**Wednesday, June 26 | 12PM- 1:30PM | Regency Grand Ballroom**

An Annual Meeting Award will be presented at the Western States Luncheon to the student chapter with the highest participation and performance. Points will be awarded for general attendance, participation in student events, and volunteering throughout the conference. Points do not rely solely on which chapter has the most attendees!

# Western District Briefing

Tuesday, June 25 | 7AM - 8AM | Windjammer

The Western District is hosting a briefing event to inform the remaining Western District Section leadership of the District transition process. The briefing will present updates on the transition process as well as the changes to District operations and policies. Interested members are also welcome to attend.

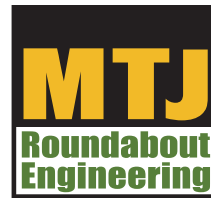


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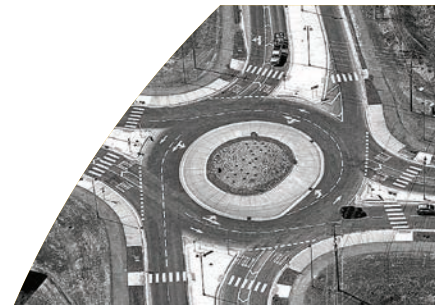
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**MTJ PRESENTATIONS**

- Tue 6/25** Performance-Based Traffic Planning with Roundabouts
- Wed 6/26** Confused About Signing & Marking at Roundabouts? Learn Key Design Components for Successful Implementation

**MTJ CAPABILITIES**

**Roundabout Design & Analysis**

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**Services**

- Roundabout design & peer review
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- 3-D visualizations



# Social Events

## Get Acquainted Social

**Sunday, June 23 | 5PM - 7:30PM | Regency Grand Ballroom**

Join us for a welcome reception in the Exhibit Hall to get to know many of the ITE leaders and to reconnect with old friends. This event will include a cash bar and complimentary appetizers.

## Family Night: Make a Fish Friend at the Monterey Bay Aquarium

**Monday, June 24 | 7PM - 10:30PM**

Join us at the world-renowned Monterey Bay Aquarium for dinner and all it has to offer! Attendees will have exclusive use of the Ocean's Edge exhibit. See the awe-inspiring Kelp Forest, or step outside for breathtaking views of Monterey Bay from the Great Tide Pool deck. Free shuttles between the hotel and the Aquarium will be provided.



## 80's Themed Awards Night: "Totally 80s"

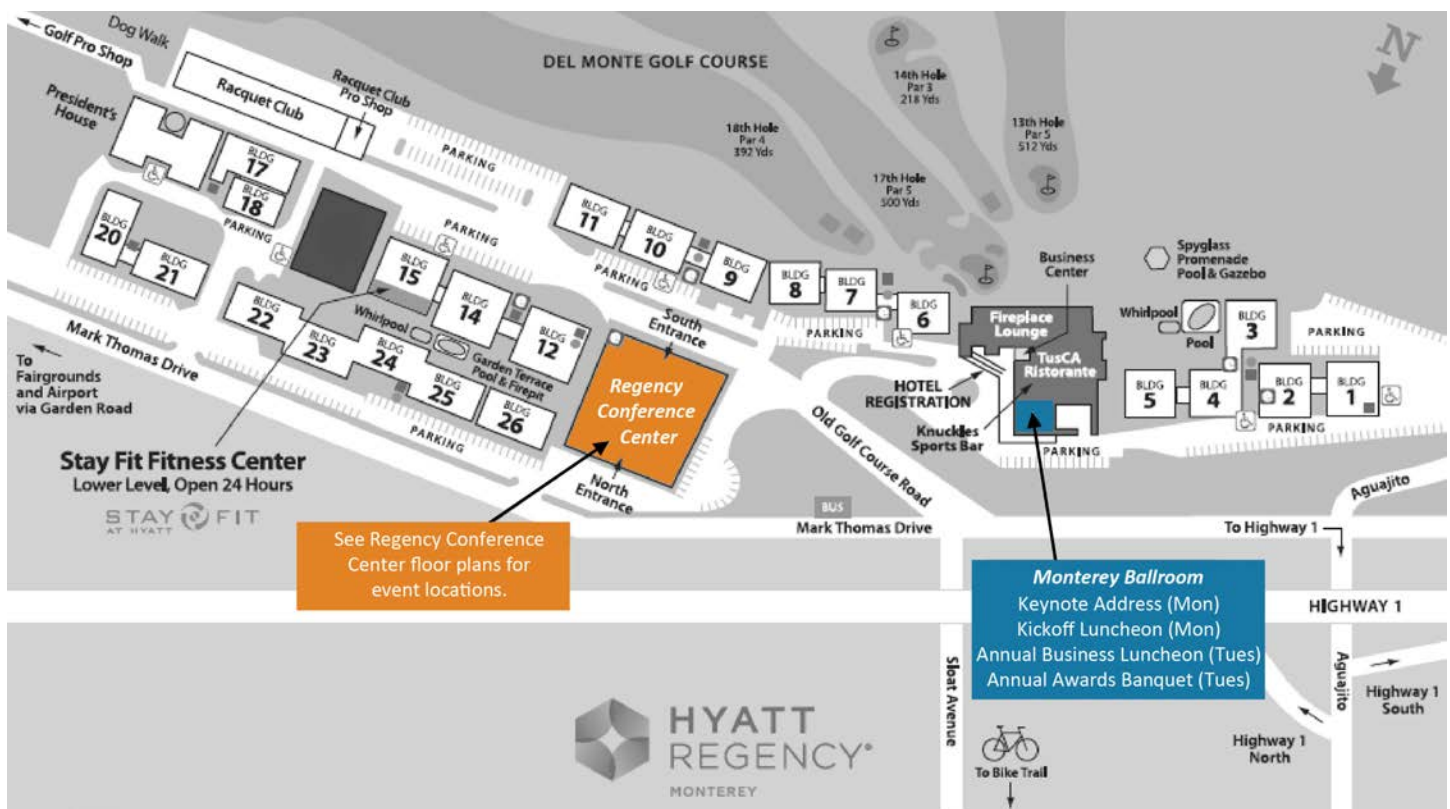
**Tuesday, June 25 | 6PM - 7PM Social Hour & 7PM - 11PM Banquet | Monterey Ballroom**

Join us as ITE celebrates the many accomplishments of our members, sections, and chapters. The best and brightest will be recognized for their contributions and achievements in the Western District. Join the fun in your 80's themed attire for a night of fun, shoulder pads, and great hair! Child care will be available on-site during this event.

### Shuttle Information for Family Night

Shuttles will begin leaving the hotel at 6:30PM from the Regency Conference Center's south entrance. Last shuttle departs at 7PM.

Shuttles returning to the hotel will depart from the Aquarium Circle every 15 minutes or when the buses are full, with the last bus leaving the Aquarium at 10:15PM.



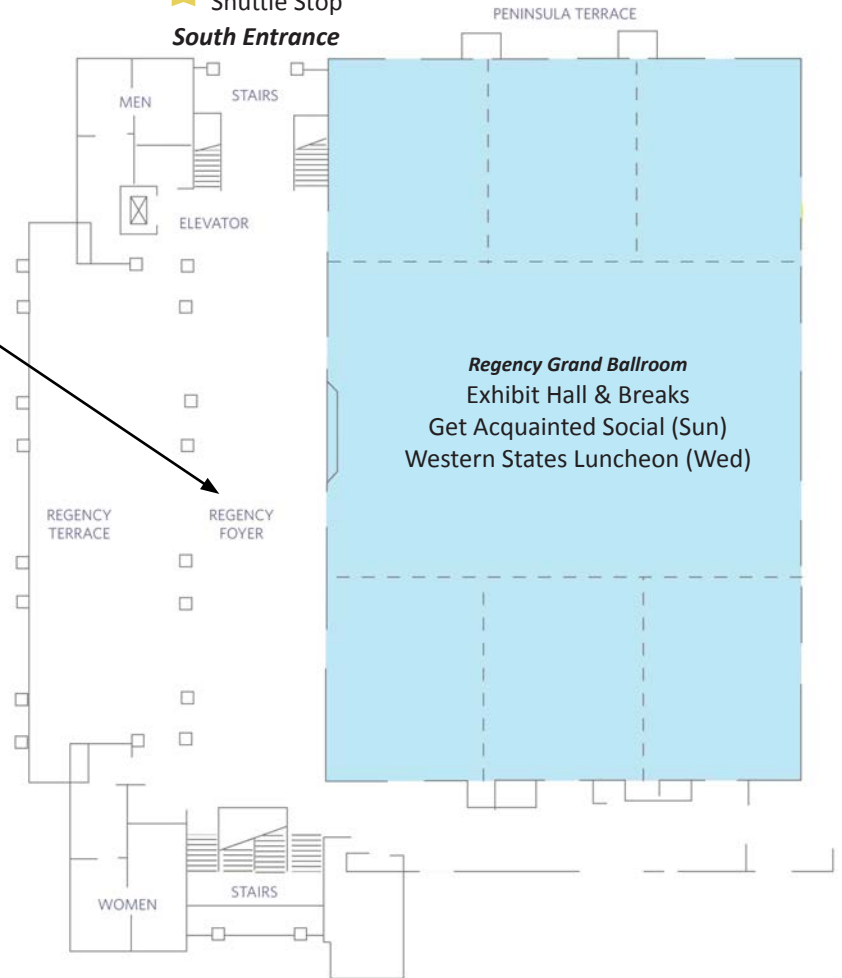
# Regency Conference Center

## Upper Level Floor Plan

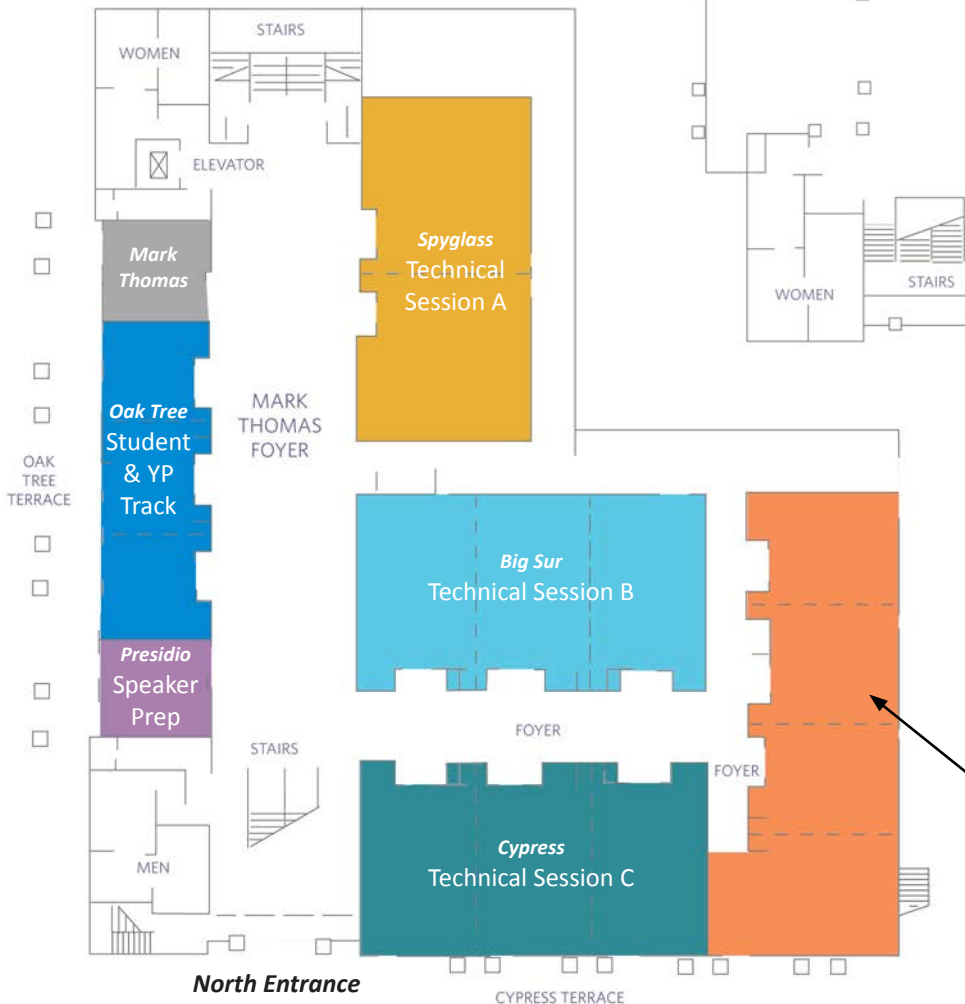
★ Family Night Shuttle Stop

**South Entrance**

*Regency Foyer*  
Registration Desk



## Lower Level Floor Plan



*Windjammer*  
Student Traffic Bowl (Mon)  
ITE Town Hall (Mon)  
District Briefings (Tues)  
Traffic Bowl (Tues)

