Center for International Trade and Transportation
College of Continuing and Professional Education
(CCPE)
Annual Report Academic Year 2017-2018
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The Center for International Trade and Transportation (CITT) Annual Report highlights the Center’s major accomplishments of this past year. CITT is a national leader in supply chain and logistics education and workforce development.

Mission
CITT serves the mission of the university and the needs of the community by helping individuals and organizations reach their highest potential through the development and delivery of targeted education, innovative research, and outreach programs:

**Education and Training:** Contribute to the development of a well-informed cross-sector and multidisciplinary community of industry professionals, governmental, and community leaders through certificate and degree programs and customized training;

**Research:** Conduct unbiased applied research that contributes to the knowledge base of goods movement, leading to an informed analysis of its operations and impacts; and

**Outreach:** Disseminate globally significant research findings and information through reports and articles, town hall meetings, conferences, and workshops.

Also, as an educational entity with institutional and structural links to the supply chain and logistics industry, CITT is uniquely positioned to:

i) Provide an ongoing and neutral forum where all parties in the logistics industry and its community stakeholders can come together to present alternative solutions to complex trade problems and seek opportunities to build consensus around those solutions, and share expertise and resources;

ii) Draw from our industry leading research, educational programs, and community outreach to serve as a trusted resource for the local and global transportation and trade communities; and

iii) Be a catalyst for sustainable growth and global competitiveness.

Over the last twenty-one years, CITT has made an ongoing effort to develop its educational and training programs in partnership with industry and community stakeholders. From the creation of the Global Logistics Specialist (GLS) program in 1997, to the Marine Terminal Operations Professional Designation Program (MTOP), the Working and Living in a Port City seminar series, and the Sales Boot Camp for Logistics Professionals course, CITT continues to build its reputation as a highly relevant and respected education provider. CITT’s research portfolio features policy analysis in the areas of trade and transportation, as well as workforce development. Our outreach programs include educational forums, research conferences, and
media-based efforts. In addition, CITT has continued to lead outreach efforts within the regional trade and transportation community through its annual Town Hall meetings, which are designed to provide a forum for stakeholders to present their perspectives on current issues and developments impacting the industry.

CITT is also the Long Beach State University home to four transportation research centers in a partnership with the University of Southern California known as the METRANS Transportation Center, a U.S. Department of Transportation-designated University Transportation Center (UTC):

- MetroFreight, a Volvo Research and Education Foundations Center of Excellence in Urban Freight based at the University of Southern California;
- National Center for Sustainable Transportation (NCST), a consortium of six institutions led by the University of California, Davis; and
- The Pacific Southwest Region 9 University Transportation Center, a University Transportation Center designated by the U.S. Department of Transportation.
- The Federal Highway Administration’s Southwest Transportation Workforce Center (SWTWC) housed at CITT;

CITT Executive Director Thomas O’Brien serves as METRANS Associate Director. These research centers address challenges raised by transportation industry observers and aim to conduct unbiased research that contributes to the knowledge base of transport systems including goods movement, leading to an informed analysis of its operations and impacts. Further descriptions of each research center follows:

**MetroFreight**

MetroFreight researches ways to streamline the transportation, handling and storage of goods in city centers while reducing the impact on traffic congestion, air quality, and urban livability. The consortium includes the following university partners:

i) University of Southern California  
ii) Long Beach State University  
iii) City University of New York  
iv) Korean Transportation Institute  
v) The French Institute of Science and Technology for Transport, Spatial Planning, Development, and Networks

CITT’s Executive Director, Thomas O’Brien, serves as the MetroFreight Director of Education.
**National Center for Sustainable Transportation (NCST)**
NCST is a United States Department of Transportation (USDOT) funded national University Transportation Center with these participating research institutions:

i) University of Southern California
ii) Long Beach State University
iii) University of California, Riverside
iv) University of Vermont
v) Georgia Tech

The USC/CSULB partnership coordinates research and training for NCST in the area of sustainable freight systems and workforce development.

**Pacific Southwest Region (PSR) UTC**
The U.S. Department of Transportation (USDOT) awarded METRANS a five-year $12.5 million grant to operate the DOT Region 9 University Transportation Center (UTC). Under the most recent federal highway bill, the FAST Act, one regional center is selected for each of the nation's ten Standard Federal Regions. Region 9 includes the states of California, Arizona, Nevada, Hawaii, and the Pacific Island territories. Along with the University of Southern California and Long Beach State University, the Pacific Southwest Region UTC partners include: University of California, Davis; University of California, Irvine; University of California, Los Angeles; University of Hawaii at Manoa; Northern Arizona University; and Pima Community College in Tucson, AZ. The goal of the Pacific Southwest Region UTC is to address regional needs and to generate and share knowledge throughout the region. The center’s primary focus is to improve the mobility of people and goods. The center will focus on the following research themes:

i) Technology to address transportation problems and improve mobility;
ii) Improving mobility for vulnerable populations;
iii) Improving resilience and protecting the environment; and
iv) Managing mobility in high growth areas.

CITT Executive Director Thomas O’Brien serves as Director of Workforce Development for PSR.

**Southwest Transportation Workforce Center (SWTWC)**
SWTWC seeks to connect and empower the 21st century transportation workforce through research, education, and industry engagement. The Federal Highway Administration (FHWA) funded the launch of SWTWC in concert with four other regional centers that form the National Network for the Transportation Workforce (NNTW). Each center is dedicated to providing a more strategic and efficient approach to transportation workforce development. SWTWC builds partnerships and alliances between strategic stakeholders to advance an abiding goal: develop a skilled and career-ready transportation workforce throughout SWTWC’s eight member states—
California, Nevada, Arizona, New Mexico, Colorado, Utah, Texas, and Oklahoma. With CITT as lead, the SWTWC Team is composed of the following members:

i) Long Beach State University, Dr. Thomas O’Brien, CITT Executive Director, METRANS Associate Director, SWTWC Executive Director
Dr. Tyler Reeb, CITT Director of Research and Workforce Development, SWTWC Associate Director
ii) University of Southern California
iii) Texas A&M University Transportation Institute (TTI)
iv) ICF International
v) National Occupational Competency Testing Institute

SWTWC’s initiatives are as follows:

- **Visualizing the Transportation Workforce**: an effort that uses Geospatial Information Systems (GIS) technology and partnerships with major transportation agencies, state departments of transportation and metropolitan planning organizations (MPOs) to forecast transportation workforce impacts associated with major transportation projects with committed funding. Data gathered through strategic partnerships will be visually presented using Esri story maps. To move this project forward, SWTWC is working with leaders at Esri, MPOs, and transportation agencies to develop this project. (Click [here](#) to view a story map example of the Gerald Desmond Bridge.)

- **Transportation Career Pathway Web Interface**: a new feature built into swtwc.org that enables students, displaced workers, incumbent workers and other targeted populations access to the competencies, experience, and education required to qualify for critical occupations within the transportation workforce. This Web interface, when completed, will also include ways for employers and educators to display credentials, certificates, degree programs, and workplace learning opportunities to enhance career pathways featured on the website.

- **Data and best practice partnerships with State Career and Technical Education (CTE) Directors**: through peer exchanges and strategic outreach, the SWTWC team will forge partnerships with State CTE Directors to share data about successful education and training programs as well as career pathway models that can be incorporated in the Center's new Career Pathway Web Interface.

- **The State of the Transportation and Mobility Workforce Report**: all of the activities carried out by members of the SWTWC team will help establish a new definitive State of the Transportation and Mobility Workforce Report. The report will build on volumes one and two of SWTWC's Jobs Needs and Priorities reports (available at [https://www.swtwc.org/labor-market-analysis/](https://www.swtwc.org/labor-market-analysis/)).
A) Education and Training

Self-support Education and Training Programs

Global Logistics Specialist (GLS) Certificate Program
This is an industry-designated program with nearly 1,100 alumni serving every sector of the goods movement industry in Southern California and globally. It is offered both in person and online. Our partnerships with local workforce development agencies ensure that this program reaches our veterans and displaced workers and connects them to career opportunities in an exciting and vibrant industry that needs a diverse set of skills. This two-year program is designed to serve the needs of working professionals who are re-entering education. Students acquire skills and knowledge in communication, critical thinking, language and literature, analytical and scientific reasoning, quantitative analysis, and philosophical foundations. Classes are a mix of in-person and online.

New Instructor for GLS course: Kevin Maggay teaches Green the Supply Chain for GLS and is an Environmental Affairs Program Manager at SoCal Gas. Since May 2017, he has served as liaison to government agencies on environmental issues. Prior to SoCal Gas, he was the Assistant Director of Environmental Operations at BNSF Railway overseeing all air quality policy and technical issues throughout the nationwide network. Prior to BNSF Railway, he was the Air Quality Supervisor at the Port of Los Angeles overseeing the air quality group through development and implementation of key programs such as the Clear Air Action Plan and 2010 Update, Clean Truck Program, Technology Advancement Program and Energy Management Plan.

Marine Terminal Operations Professional (MTOP)
MTOP program covers all aspects of terminal operations and increases career opportunities for individuals who are seeking entry or advancement in terminal operation occupations.

New Instructor for MTOP course: Laura Kovary teaches Environmental Responsibility for MTOP and holds an Unlimited Tonnage Master’s License and sailed onboard tankers, freighters, container, and passenger ships. She holds a BS from California Maritime Academy and a MS in Maritime Management from Maine Maritime Academy. Captain Kovary has taught at two state maritime academies and is presently an Instructor for UCLA Extension, teaching Global Supply Chain Management. She is a Principal at Environmental Maritime Services, consulting for the oil and maritime industries on training, port security, and environmental issues, as well as offering auditing services for ISO, OCIMF (MTMSA), and IMO audits.

Master of Supply Chain Management (MSSCM)
Created in partnership with the College of Business Administration and the College of Liberal Arts), The Master of Science in Supply Chain Management program (MSSCM) is an advanced degree that provides comprehensive training in modern supply chain management practices. This
program also teaches analysis methods, technology applications, strategy development, and other relevant skills that advance student career prospects and prepares them for lifelong learning in a global-supply-chain environment.

**Introduction to Logistics and Supply Chain Management Course**

This is a self-paced, online training program based on 30 hours of content that exposes students to the key functional areas of supply chain management and international transportation. With an eye towards developing the tactical skills necessary to compete in the global economy, participants gain an understanding of the strategies, processes, activities, and technologies associated with the import and export of goods across international borders. Industry practitioners, like industrial realtors, computer technology consultants, and other professionals servicing the transportation industry benefit from this program that is designed to enhance or advance their careers. First piloted in 2015, this program is now being used as a gateway course for other CITT programs. There were five registrants enrolled during this reporting period.

**GLS and MTOP Classroom Enrollment*, Academic Year 2017-18**

- GLS: 131 students
- GLS Online: 9 students
- MTOP: 48 students

**GLS and MTOP Student Completion**

- Fall 2017 GLS – 4 students were awarded the GLS Professional Designation.
- Spring 2018 GLS – 9 students were awarded the GLS Professional Designation.
- 2017 GLS Online – 3 students were awarded the GLS Professional Designation.
- 2017 MTOP – 6 students were awarded the MTOP Professional Designation

*Reflects enrollment in different modules for the same student. Only students completing all modules including a capstone project are awarded the Professional Designation and are included in student completion numbers.

**Academy of Global Logistics (AGL)**

The Academy of Global Logistics offers a four-year academic curriculum at Long Beach Unified School District’s Juan Rodriguez Cabrillo High School that is integrated with real-world experiences through site visits and workshops presented by industry professionals. In partnership with the Port of Long Beach (POLB), the Long Beach Unified School District, and CITT, this program features workshops and activities that incorporate concepts across disciplines such as mathematics, social sciences, and humanities, while also developing cultural competencies for a global economy. CITT’s role is in industry coordination and Teacher Training. 2017-18 activities are highlighted below:
AGL Industry and Community Engagement

**Advisory Board**: The AGL Advisory Board supports the mission of the Academy by providing feedback and input to help teachers collaborate across subject areas and to develop relevant curriculum and work-based learning activities that contribute to students’ academic success, career development, and promotes the development of an educated and skilled workforce for the community, the city, and the region. The Advisory Board is an integral part of the experiential learning activities for all Academy students, bridging the gap between the classroom and the “real world.”

**AGL Student Engagement/Development**

**Cabrillo Women in STEAM Event**: Female students in AGL participate in presentations geared towards their personal, professional, and/or academic development. This event provides students with the opportunity to network with professional women in STEAM-related careers, to learn how to develop and take charge of their professional development, and to minimize perceived barriers.

**Harbor Transportation Club (HTC) Year End Review & Scholarship Announcement**: This annual meeting by the HTC is structured to review key events in the past year and opportunities for the upcoming year. The event features key industry leaders in a roundtable interview by Bill Mongelluzzo from the Journal of Commerce. At this event, HTC also announces the recipient of the HTC scholarship award for an AGL student.

**CITT INUF Conference**: METRANS International Urban Freight Conference (I-NUF) provides a forum for multidisciplinary research on all aspects of urban freight. The event convenes attendees from around the globe and hosts scholars and industry specialists who present research that is increasingly relevant as the rise of e-commerce, transformational technology, and other developments influence urban freight movement. An AGL student ambassador was featured as a keynote speaker at the fall 2017 event.

**CITT State of the Trade & Transportation Town Hall**: The CITT State of the Trade and Transportation Industry annual Town Hall is organized in an attempt to foster information exchange that contributes to the resolution of port-related conflicts. AGL students can attend Town Hall to experience CITT’s outreach effects within the regional trade and transportation community and learn more about stakeholder perspectives on current issues and developments impacting the industry.

**IANA Expo**: The Intermodal Association of North (IANA) presents a supply chain expo that educates and connects the intermodal industry, providing information and networking opportunities. AGL students will learn the relationship between customers, partners and suppliers and will network with industry professionals in attendance.

**POLB Celebrating Education**: This annual Port of Long Beach Event highlights the Port’s contribution to education in Long Beach and serves as a celebration of accomplishments to recognize scholarship winners and new high school interns.
**POLB Women in Trade Event:** Young women from Long Beach area high schools and colleges gather with women who play leading roles in trade and commerce. The event provides a chance to interact one-on-one and learn about career paths and opportunities.

**POLB Pulse of the Ports:** This annual event provides a season forecast for the following year with presentations from senior economists and industry leaders in management, marketing, and sales.

**Transpacific Maritime Conference (TPM) Conference:** The Journal of Commerce (JOC) annual TPM Conference brings together the trans-Pacific and global container shipping and logistics community. This conference is not only a great learning opportunity for AGL students, but also gives students the chance to network with international logistics professionals in North America, Europe and Asia.

**AGL 2018 Port of Long Beach (POLB) Summer Institute for Long Beach Unified School District (LBUSD) Teachers**
The POLB invited AGL teachers, advisory board members, and employees of CITT, its partner organization, to join the Port-led Harbor Tour on June 18, 2018. The cruise around Long Beach’s harbor, led by Port Communications Specialist Alejandra Guitron emphasized the impact of the POLB to its AGL community. This event is an annual activity for AGL, specifically serving as a highlight of the POLB Summer Institute, a five-day training experience that brings teachers out of the classroom and into the port. The hands-on training consists of discussions with industry experts, collaborative group assignments, and other logistics-related site visits. At the end of the Institute, participants create better-informed lesson plans to apply in the classroom. Nine staff members from Cabrillo High School attended this year’s Summer Institute.

**AGL College and Career Exploration Workshops for Area High School Students**
AGL, with assistance from the POLB and CITT, hosted the Trade and Transportation Career Workshop at Juan Rodriguez Cabrillo High School on March 23, 2018. Industry professionals shared their knowledge of Business Management and Administration, Marketing and Sales, Transportation and Warehousing, Engineering and Construction, and Supply Chain Management. This series of workshops introduced students to the skills, training, and education needed to pursue careers in the trade and transportation industry. In addition, students participated in mock interviews and received valuable feedback and insight to what employers are looking for during the hiring process.

**METRANS Grant Supported Education Programs**

**Caltrans Freight Academy**
Some foundation in goods movement and supply chain management will benefit those making decisions, projections, and assumptions about the transportation and warehouse sectors, among others, as part of the planning process. Using match funding from a federal research grant, CITT implemented two four-day training academies, one in the Inland Empire and one in Sacramento, for Caltrans staff from district offices and headquarters. The Inland Empire session’s focus was on intermodal freight operations. The Sacramento session included discussions of issues important to California’s Central Valley, including agricultural supply chains. The classes helped
to test the effectiveness of training materials and at the same time provided an opportunity for Caltrans personnel from different parts of the State and from different units to provide input on the need for freight-related professional development.

**Geospatial Tech Education**

This project will coordinate a five-year Train-the-Trainer GIS Initiative with CITT in partnership with Pima Community College to promote skills required for careers using geospatial technology and modelling. Enrolled trainers will receive hands-on instruction to help them integrate GIS into the courses they teach.

**Online training for EV Transit Bus Safety Awareness and Familiarization:** This course provides a general understanding of safety do’s and don'ts when working around all-electric high voltage (HV) transit vehicles. This course is not intended as a replacement for manufacture specific training and does not qualify the student to diagnose, repair, and work on HV vehicles. There were two syllabi created for this project. Using METRANS grant funding, an instructor-led version and an eLearning online version. This training will be deployed during academic year 18-19 at institutions that are part of the Southern CA Regional Transit Training Consortium.

**Virtual Logistics Peer Exchange (technology transfer)**

Using its extensive experience in the development of both classroom-based and online logistics programs for audiences that include regional and statewide planning organizations, METRANS/CSULB-CITT hosts two virtual peer exchanges each year to allow municipal and MPO-level planners to share best practices on incorporating freight and logistics into local and regional plans. The peer exchanges will include content specific to the regional audience (e.g. cross-border trade logistics in Arizona and California) and will incorporate existing distance-based teaching tools developed by CITT and offer access to leading industry practitioners who will serve as virtual mentors.

**Metropolitan Transportation Management Certificate (MTMC):** Using grant-based funding, curriculum development was coordinated with LA Metro and designed to cover multi-modal transportation planning fundamentals, with a focus on passenger-freight conflicts. The class was conducted in four sessions which started on Feb. 10 and concluded on March 3. The success of this pilot program has motivated the CITT team to further develop its curriculum and share it as an educational tool for planning and transportation professionals around the country. In addition, the curriculum developed for the class will be modified for a class of professional transportation consultants to be held in the spring of 2019 in coordination with the South Bay Cities Council of Governments.

**Los Angeles Trade Technical College GIS Pilot Course**

CITT teamed up with The Los Angeles Trade Technical College (LATTC) to offer a pilot transportation planning curriculum to demonstrate how students can pursue jobs in this field. This career pathway demonstration program is offered as part of a for-credit LATTC course and introduces students to fundamental principles and concepts that reinforce the practice of geographic analysis with GIS, including computer representation of geographic data, vector and raster data models, map projections, coordinate systems, spatial analysis, and map design. The
spring 2018 course started on February 24, 2018 and ran through the end of May. Students who completed the course earned transferable credits to UC and CSU schools. 12 students, many dual-enrolled as part of LAUSD’s STEAM program, participated in the course. CITT further enriched this learning experience by deploying GIS-based story maps, data collection activities, and industry speakers, who offered students insight into the technologies and career opportunities that characterize this workforce. Widely considered a success all-around, this class culminated with students using story map technology to present their own personal commute challenges, before an audience that included leadership from the Southwest Workforce Transportation Center (SWTWC), LATTC, and FHWA (Federal Highway Administration).

**Commercial Driving License Training**
CITT is developing a webinar series that presents best practices in migrating CDL training to online formats. Those webinars will present ways to eliminate barriers to entry for underserved populations: women, veterans, tribal communities and nonnative English speakers.

**Trucking Peer Exchange**
In order to address the fact that heavy and tractor-trailer drivers represent the largest gap in the transportation workforce, CITT will conduct outreach to underserved populations (e.g., tribal populations, women, and veterans), and develop an accessible career pipeline through accredited community colleges and top trucking companies in the region.

**Tribal Training Initiative**
This project will foster new career pipelines for both urban and rural youth and collect data related to road safety, transportation, and cultural metrics within tribal lands throughout eight states in the United States southwestern region. GIS-specific skills will be identified and subsequent training programs will be developed for urban and rural tribal youth.

**Soft Skills Webinar**
CITT is developing a series of lesson plans that will help high school and community college instructors integrate Transportation Workforce Soft Skills into their courses. CITT will commence that soft skills outreach with a webinar that features best practices from GIS, commercial driver's license (CDL) and Supply Chain and logistics professionals on specific targeted soft skills that are essential for success in those respective transportation-related fields.

B) Research (See also “Other CITT Research” and “CITT/METRANS Publications”)

**MetroFreight**
**Improving Goods-Movement Efficiency with Load-Matching Technology**
Load-matching technology for truckers and shippers helps an inefficient and often fragmented local trucking market by eliminating non-revenue-generating trips. There is reason to believe that the market for this kind of service will only grow; however expansion will depend upon a
combination of economic and political factors. The roll-out of load-matching services in Los Angeles will provide useful lessons for their adoption in other locations. To read more about this project go to https://www.metrans.org/research/improving-goods-movement-efficiency-load-matching-technology.

National Center for Sustainable Transportation

Legislative Mandates: This research is intended to identify the impact on metropolitan planning organizations (MPOs) to legislative mandates such as California’s SB 375. Preliminary research builds upon assessing the changes in job functions and use of outsourcing to satisfy the Sustainable Communities Strategy (SCS) at MPOs in California. Findings of this project will contribute to our knowledge of workforce development needs as well as the potential for policy responses at the federal, state and local level. Conducted in-depth-interviews with MPO professionals on workforce changes due to SB 375 and other allied regulations. Performed job screening and real-time skill analysis using Burning Glass.

Developing Markets for Zero-Emission Vehicles (ZEVs) in Goods Movement

CSULB will support USC and UC Davis (with USC as the prime awardee) in examining the potential for ZEV or near-ZEV vehicles from both an economic and environmental perspective. The focus will be on heavy duty trucks (HDTs) used in short-haul service, using SCAQMD’s current test demonstrations as the vehicle and service types for the investigation. The research will take place in two parts. The first part will analyze potential markets, and the second part will consider incentives for accelerating market penetration. Part 1 research will identify the main segments of the short haul freight market including, as appropriate, truck trip distances and trip types in different markets; characterize the demand patterns of these markets; estimate the costs of vehicle purchase and operations for the various scenarios; and identify the best potential short haul markets. Part 2 research will use the results of Part 1 to evaluate alternative policies for promoting ZEV use, including direct subsidies and revenues sources to support them, financial incentives (tax breaks, accelerated depreciation, etc.), and regulatory incentives (low emissions zones, fleet targets). Evaluation will include stakeholder focus groups as well as economic analysis.

Environmental Policy Case Studies

CITT is developing a series of case studies designed to evaluate the impacts of freight-related environmental policies. Building upon earlier METRANS policy evaluations of port-related strategies to reduce congestion, these case studies will assess the potential benefits of programs such as the Southern California Intermodal Gateway (SCIG) and analyze the institutional challenges to program implementation. They will provide context for the broader research agenda of the Center on sustainable freight. In conjunction with the CCPE Advanced Media Production team, CITT will produce brief videos to accompany the Environmental Policy Case Studies above. The videos will be used to reach a wider audience for the Center’s research activities.

Workforce Development White Paper

CITT will build upon the National Center’s successful use of white papers to develop a research agenda focused on educational- and policy-driven approaches to sustainable transportation
workforce development in the transit sector. This white paper will also identify the most critical technology transfer gaps in environmental technology facing the transit industry. After identifying those gaps, the white paper will suggest training strategies.

**Los Angeles Trade and Technical College (LATTC) Pilot GIS Course**

To demonstrate its research into transportation planning, the SWTWC team successfully piloted a first-of-its-kind Geographic Information Systems (GIS) course that was contextualized around the planning career pathway. (See Los Angeles Trade Technical College GIS Pilot Course in Education and Training section.)

**Empowering the New Mobility Workforce**

CITT Director of Research and Workforce Development and SWTWC Associate Director Tyler Reeb is working on a draft of *Empowering the New Mobility Workforce*, a book for which he serves as editor, to submit to the publisher Elsevier. The book has an expected publication date in spring 2019. The book addresses major challenges impacting the field of transportation workforce development including the demographic changes among the user population, the future workforce, lack of career awareness and competencies needed in the field, emerging technologies, and increasing and changing demands on transportation agencies. The goal of the book, which features chapters by national leaders in transportation workforce development, is to build a case that transportation workforce development should be prioritized as a pressing public policy issue. The link between a well-prepared transportation workforce and an efficient transportation system promotes a healthy economy.

**METRANS UTC**

**Workforce Development Impacts of the Sustainable Freight Action Plan**

Expanding well-paid trade sector job opportunities for State residents, including those living in disadvantaged communities, will improve the State’s overall economic health and support the transition to a sustainable freight transport system. To support these needs, the Energy Commission is partnering with the Governor’s Office of Business and Economic Development (GO-Biz) and CITT to convene working groups with industry stakeholders and the California Workforce Development Board to identify and implement steps to ensure that the existing and future workforce meets the needs of the California sustainable freight transport system and sufficiently skilled labor is available to meet the needs of an expanding freight-related job market. CITT’s research and outreach will result in identifiable career pathways for sustainable freight-related occupations.

**C) Outreach**

CITT is continuously implementing effective outreach programs. CITT’s State of the Trade and Transportation Industry Town Hall is one of the highest profile events in the goods movement industry in the Los Angeles region. The Center works year-round to connect with the university, transportation and trade industry, and the surrounding community through newsletters, podcast series, and the CSULB manifest which is the online repository for information on industry and employment opportunities.
CITT’s State of the Trade and Transportation Industry Town Hall

The 2018 Town Hall meeting, “Clean Air Action Plan 3.0: Balancing Benefits and Costs,” was held in the Gerald Daniel Recital Hall at Long Beach State University on March 29, 2018. This year’s event opened up the discussion about CAAP 3.0: the pressure of the deadline, the progress of technology, costs of going zero-emission, economic impact, and ultimately, whether the costs and benefits will balance out.

CITT also presented the second annual Domenick Miretti Award, established in honor of the International Longshore and Warehouse Union (ILWU) Port Liaison and founding member of the CITT Policy and Steering Committee who passed away in 2016, to Marianne Venieris Gastelum. She was selected from a prestigious lineup of finalists for her sizable contributions to bridging gaps between industry, education, and labor stakeholders. These accomplishments include the founding of CITT and development of CITT’s organizational structure, as well as a university partnership that resulted in the implementation of the award-winning Global Logistics Specialist Designation Program at CSULB.

Speakers and guest panelists in attendance at the event were:

- **Philip Davies**, Principal, Davies Transportation Consulting Inc.
- **Jolene Hayes**, Senior Associate, Fehr & Peers
- **Dr. Genevieve Giuliano**, Director, METRANS, University of Southern California
- **Judy Mitchell**, South Coast Air Quality Management District Representative, California Air Resources Board Member
- **Dr. Aravind Kailas**, Manager, Volvo Group CTO Office
- **Thomas O’Brien**, Executive Director, Center for International Trade and Transportation, Long Beach State University
- **Norbert J. Ore**, Chair, ISM Manufacturing Business Survey Committee
- **Donald Paul**, Executive Director, USC Energy Institute

2018 CITT Town Hall Sponsors:

**Major Funders**
- U.S. Department of Transportation
- Caltrans

**METRANS Associate Partners**
- Port of Long Beach
- Ceres Global
- Southern California Association of Governments
- Metro
- Nixon Peabody
- MetroLink
- Nancy Voorhees
- Majestic Realty Co.
- Port of Los Angeles
Yusen Terminals, Inc.

2018 CITT Town Hall Bronze Sponsors
Watson Land Co.
Alameda Corridor Transportation Authority
Los Angeles Custom Brokers and Freight Forwarders Association
International Longshore and Warehouse Union


Trade Talks
Dr. Tom O’Brien, Executive Director of the Center for International Trade and Transportation, hosted three additional "Trade Talks," a quarterly video series program. The show examines pertinent issues in the trade sector from both global and local perspectives with guest appearances from industry experts. The show is produced by CCPE’s Advanced Media Production team and distributed through the CSU network.

The first episode of this series aired on April 6, 2017. Since then, Dr. O’Brien has discussed:

- Canadian trade with Patricia Elliott, Consul & Senior Trade Commissioner, and Gavin Nardocchio-Jones Consul for Political & Public Affairs, both from the Canadian Consul of Los Angeles (published August 21, 2017);
- Freight logistics with Michael Browne, Professor of Logistics and Urban Freight Transport at the University of Gothenburg, Sweden (published October 25, 2017). The following Massive Open Online Course (MOOC) on Sustainable Urban Freight Transport has included the video as part of its curriculum (see https://www.edx.org/course/city-logistics-a-global-perspectiv
- Changes in global trade with Dr. Genevieve Giuliano, Director of METRANS and Professor at the Price School of Public Policy USC, in recognition of METRANS Transportation Center’s 20th anniversary (published April 23, 2018); and,
- The present and future application of Geographic Information Systems (GIS) in transportation planning with Terry Bills, Global Transportation Industry Manager at ESRI (published August 28, 2018).

All "Trade Talks" episodes will be archived on the Beach TV YouTube channel. The aforementioned episodes of Trade Talks can be viewed here: https://www.ccpe.csulb.edu/CITT/about.aspx?pID=143

METRANS 7th International Urban Freight (I-NUF) Conference 2017
Attendees from 18 countries convened in Long Beach to participate in the 7th METRANS International Urban Freight Conference (I-NUF). The event, which took place from October 18-20, 2017, hosted scholars and industry specialists who presented research that is becoming
increasingly relevant as the rise of e-commerce, transformational technology, and other developments influence urban freight movement. CITT is responsible for all logistics related to the conference on behalf of METRANS.

Break-out sessions and presentations were organized into seven “tracks” or categories:
1. Local/last-mile pickup and delivery
2. Trade nodes and hubs – ports, airports, distribution hubs
3. Freight modes – trucking, rail, water
4. Urban modelling and planning
5. New technology
6. Changing consumption, production, and spatial organization
7. Best practices

The final day featured a panel moderated by METRANS Associate Director of Long Beach Programs and CITT Executive Director Tom O’Brien that addressed local, state, and national freight policy. The panel discussion included Greg Kildare, LA Metro; Alan Lowenthal, Congressman, California 47th District; and Fran Inman, Majestic Realty Co. The conference concluded with a site tour that highlighted critical elements of the goods movement sector in Los Angeles County. The bus tour took attendees through various sites like the current and future International Longshore and Warehouse Union (ILWU) dispatch hall, the Commodore Schuyler F. Heim Bridge, the job site of the new Gerald Desmond Bridge, the site of the Southern California International Gateway, and the Watson Industrial Center.

2017 I-NUF Sponsors:

Gold Partners
Port of Long Beach

Silver Partners
Ceres Global
Southern California Association of Governments
Metro
Nancy Voorhees
Yusen Terminals, Inc.

Bronze Partners
Metrolink
Port of Los Angeles
Foothill Transit
Majestic Realty Co.
International Longshore and Warehouse Union

Gold Sponsors
Majestic Realty Co.
U.S. Department of Transportation Federal Highway Administration

Patron Sponsors
Watson Land Co.
Pacific Southwest Region UTC
Representatives from all the Pacific Southwest Region 9 University Transportation Center (PSR-UTC) partners were present at the first annual PSR Congress meeting held at Long Beach State University on March 29, 2018. The purpose of the PSR Congress is to bring industry and public agency representatives together with PSR students and faculty to discuss the region's needs and how PSR can address them. The Congress also served as PSR's first Advisory Council meeting. Given the geographic expanse of Region 9, the annual Congress serves as the only time the Advisory Council will meet in person. The Congress provided a venue for students and faculty to share ideas and expectations for the center. Each university shared its current progress, recently hosted events, and transportation-focused degree and certification programs to foster a better center-wide understanding of the region's current state of transportation education and research.

Using “Equity” Values of Time in Project Appraisal: Income Equity vs. Preference Equity
Seiji Steimetz, Professor and Chair of Economics at Long Beach State University and a member of the METRANS Transportation Center Executive Committee, presented on November 1 as part of the 2017 PSR Fall Research Seminar. His research examines the practice of using “equity” values of time to evaluate the benefits of transportation improvements and makes explicit the social weighting schemes that are consistent with that practice.

Centralized Processing of Chassis: Modeling, Analysis and Optimization
Timothy VanderBeek is the Hardware Team Manager and Deputy Chief Engineer for the Electrostatically Supported Gyro Navigator Replacement (ESGN-R) program at Boeing and is also pursuing a joint PhD in applied mathematics and industrial engineering from CGU and LBSU. He presented at USC on February 21st as part of the 2018 Spring PSR Research Seminar. VanderBeek’s investigation into the “Centralized Processing of Chassis” attempts to demonstrate how such a centralizing strategy might help to mitigate traffic congestion, noise pollution, and greenhouse gas emissions resulting from the Ports of Long Beach and Los Angeles. 30 individuals attended this event.

Federal Highway Administration Leadership Visits LA-Based Career Pathway Programs
Virginia Tsu, Director of the Center for Transportation Workforce Development of the Federal Highway Administration (FHWA), visited LATTC’s Introduction to Geographic Information Systems (GIS) pilot course, developed in partnership with the Southwest Transportation Workforce Center (SWTWC) in June 2018. Tsu also visited the Port of Long Beach's Academy of Global Logistics (AGL) at Cabrillo High School.
CITT’s Marine Terminal Operations Program (MTOP) Featured in *USA Today*

*USA Today* featured CITT in an article as part of a special issue commemorating the U.S. Department of Transportation’s (USDOT) fiftieth anniversary. The article titled "Education is What Keeps Us Moving" highlighted educational initiatives that promote careers in transportation at colleges throughout the nation.

AGL Featured on *Education Dive*

An online hub for education industry news, *Education Dive*, published a write-up on the financial and educational collaboration between the Port of Long Beach (POLB) and Long Beach area schools on May 21, 2018. The article outlines statistics to demonstrate the strength of this partnership, like how the POLB has awarded more than $775,000 in scholarships to 464 students since 1993. It also highlights the port's high school summer internships, during which students experience eight weeks of exposure to port operations under on-site mentors. The article cites the Academy of Global Logistics (AGL) as a prime example of "the opportunities that can be made available to students when education leaders partner with representatives from local industries."

○ Link to full article: [http://bit.ly/2J0uwYZ](http://bit.ly/2J0uwYZ)

3rd Annual Pathways to Success in Supply Chain Management

In partnership with the College of Business Administration and as part of the MS in Supply Chain Management Program (MSSCM), CSULB hosted the 3rd Annual Pathways to Success in Supply Chain Management event on February 20, 2018. The annual event is designed to provide students, alumni, and industry professionals with an opportunity to network and learn about workforce and industry trends. CITT was responsible for coordinating panelists and speakers.

2nd Annual Partners Recognition

CITT hosted its 2nd Annual Partners Recognition at a CSULB Dirtbags baseball game on Blair Field on April 18th, 2018.

Transportation Research Board Webinar: Workforce of the Future

CITT Director of Trade and Transportation Programs Angeli Logan presented the development of AGL in the Transportation Research Board webinar, Workforce of the Future: Educating and Retraining the Freight Industry, August 29, 2018. CITT Executive Director Tom O’Brien moderated the panel. 150 participants were reported.

Social Media sites, e.g. LinkedIn and Facebook, continue to gain membership from industry and the community. CITT directs media and communication efforts of METRANS, and the social media figures for METRANS are listed below:

- METRANS Facebook likes: Total 399
- METRANS Facebook Visits: 1300
- METRANS Twitter Followers: 333
● METRANS Twitter Following: 658
● METRANS Tweets: 2,439
● CITT LinkedIn Members: Total 1,149


Blogs

● AGL STUDENTS LEARN ABOUT MARINE TERMINAL OPERATIONS
  http://www.ccpe.csulb.edu/citt/blog/blogposts.aspx?postNum=77
● CITT RESEARCH ASSISTANT AHMED MOHAMMED GETS EXCITING NEW OPPORTUNITY AT SONY PICTURES
  http://www.ccpe.csulb.edu/citt/blog/blogposts.aspx?postNum=76
● AGL STUDENTS TOUR LONG BEACH HARBOR
  http://www.ccpe.csulb.edu/citt/blog/blogposts.aspx?postNum=75
● HR PROFESSIONAL SHELLEY REED PRESENTS TO ACADEMY OF GLOBAL LOGISTICS STUDENTS
  http://www.ccpe.csulb.edu/citt/blog/blogposts.aspx?postNum=74
● METRANS STUDENT OF THE YEAR AWARDED TO CSULB STUDENT MILES WINSTON
  http://www.ccpe.csulb.edu/CITT/BLOG/BLOGPOSTS.ASPX?postNum=73
● SWTWC AND LBUSD RESEARCHERS PRESENT CAREER PATHWAY RESEARCH AT I-NUF
  http://www.ccpe.csulb.edu/citt/blog/blogposts.aspx?postNum=72
● PROFESSIONAL DEVELOPMENT PROGRAMS TURN EMPLOYEES INTO EXPERTS
  http://www.ccpe.csulb.edu/citt/blog/blogposts.aspx?postNum=71

CITT Policy and Steering Committee Members and Advisors
The Center’s Policy and Steering Committee (PSC) includes representatives of the stakeholders from the trade and transportation industry. The constitution of the PSC and all CITT management functions are governed by the CITT bylaws. The CITT PSC helps guide the Center’s outreach efforts and project activities. Recommendations or concerns from the PSC are implemented throughout the reporting year. The PSC generally meets at the CITT offices on the last Tuesday of every other month. PSC conference calls are held on alternating months.

A) 2017-2018 CITT Policy and Steering Committee Members
   Chair: Jeet Joshee, Ed.D., AVP for international Education; Dean, CCPE/CSULB
CITT Executive Director: **Thomas O’Brien**, Ph.D., CITT/CCPE/CSULB

**Kerry Cartwright**, Director of Goods Movement, Port of Los Angeles

**Anastasios G. Chassiakos**, Ph.D., Professor, Electrical Engineering, College of Engineering, Long Beach State University

**Rich Dines**, Marine Clerk, ILWU Local 63

**Genevieve Giuliano**, Ph.D., Ferraro Chair in Effective Local Government, Sol Price School of Public Policy and Director, METRANS Center, University of Southern California

**Michele Grubbs**, Vice President, Pacific Merchant Shipping Association

**Mark Hirzel**, Assistant Manager Trade Services, American Honda Motor Company

**Pilar Hoyos**, Vice President, Public Affairs, Watson Land Company

**Mike Jones**, Senior Regional Planner, Southern California Association of Governments

**Steve Lantz**, Transportation Director, South Bay Cities Council of Governments

**Alan McCorkle**, Vice President—West Coast Operations, Yusen Terminals, Inc.

**Dan Monnier**, Import Manager, XPO GF America, Inc.


**Connie Rivera**, Government and Community Relations Officer, Alameda Corridor Transportation Authority

**Patty Senecal**, Manager, Southern California Region, Western States Petroleum Association

**David Serrato**, ILWU Liaison, Ports of Long Beach and Los Angeles, Local 13

**Don Snyder, Director**, Trade Development, Port of Long Beach

**John Taeleifi**, Chief Executive Officer, Pasifica Financial Corp; West Long Beach Community Advocate

**Elizabeth Warren**, President and CEO, Dialed-In Partners

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**B) 2017-2018 CITT Advisors**

**Mike Caswell**, Vice President of Terminals, Pasha Stevedoring & Terminals

**George Cummings**, Director of Homeland Security, Port of Los Angeles

**Joe Gasperov**, President, Marine Clerks Association, Local 63, ILWU

**Jim Gill**, Vice President, California Cartage

**Monica Gourdine**, Associate Division Administrator, California Division, Federal Highway Administration

**Joseph Magaddino**, Ph.D., Emeritus Faculty, Department of Economics, CSULB

**Larry Mallon**, Attorney

**Mark Mendoza**, President, Local 13, ILWU

**Daniel Miranda**, President, Local 94, ILWU

**Eric Shen**, Director, Southern California Gateway Office, Maritime Administration, U.S. Department of Transportation

**Michael Solt**, DBA, Dean, College of Business Administration, Long Beach State University (Alternate: Ömer Benli, Ph.D., Associate Dean for Administration, College of Business Administration, Long Beach State University, California)

**Marianne Venieris Gastelum**, Senior Advisor and External Liaison, CITT, Long Beach State University
C) CITT Staff
The Center for International Trade and Transportation (CITT) is part of the College of Continuing and Professional Education (CCPE). The overall management of the CITT is the responsibility of the Executive Director. The list below indicates staff who are both presently employed at CITT and those who are no longer at CITT but were employed during the reporting period.

- **Thomas O’Brien, Ph.D.**, Executive Director
- **Angeli Logan**, Director of Trade and Transportation Programs
- **Tyler Reeb, Ph.D.**, Director of Research and Workforce Development
- **Alix Traver**, CITT/METRANS Project Coordinator
- **Sue Schildt, Ph.D.**, METRANS Project Administrator
- **Deanna Matsumoto**, Career Technical and Education (CTE) Specialist
- **Stephen Lantz**, Project Manager
- **Marisa Eide**, Assistant to the Executive Director
- **Sidra Shah**, Program Specialist
- **Courtney Munz**, Program Specialist (no longer at CITT)
- **Royce De Rivera**, Assistant METRANS Project Administrator
- **Scott Jakovich**, NTCPI Project Coordinator
- **Marianne Gastelum**, Senior Advisor & External Liaison
- **Daniel Magno**, Administrative Support Assistant (no longer at CITT)
- **Kevin Argueta**, Administrative Support Assistant (no longer at CITT)
- **Sneha Jaishankar**, Administrative Support Assistant

*Denotes Foundation employee

Faculty Members Involved in CITT Research, Scholarly, and Creative Activities

A) CITT/METRANS Publications and Awards

In FY17-18, CITT received 19 grant/contract awards totaling $1,727,364. As part of its METRANS partnership with USC, CITT awarded three faculty members grants totaling $149,611:

**Investigating Impact of Crowdsourcing on Smart Freight Mobility (Dr. Shailesh Chandra, Department of Civil Engineering and Construction Engineering Management)**

This research will develop such analytical models that leverage both crowdsourced data on traffic conditions and data such as commodity flows, fuel consumption etc. of conventional freight to design operations of a smart freight system. The contribution of crowdsourcing in improving transportation efficiency in real time is evolving rapidly and qualitatively, creating the need to develop models that characterize smart freight mobility. Several smartphone applications related to traffic information and communications have seen a surge in recent times, however, with missing developments in artificial intelligence needed to cause forward looking solutions to
smart transportation needs, particularly for freight. A sequence of four interrelated objectives aptly define the approach, which are as follows: (1) Identifying sources of available conventional freight data – such as commodity flow, truck volume, air cargo volume etc. across all modes, (2) Integrating crowdsourced data with conventional freight truck data for model building, (3) Building stochastic models for mobility that characterize smart freight, and finally, and (4) Estimating efficiency (in fuel consumption, ton-miles traveled etc.) from the predictive capabilities of the models for smart freight system.

Smart Sensing System for Real-time Automatic Traffic Analysis of Highway Rest Areas
(Dr. Mohammad Mozumdar, Electrical Engineering Department)
This research proposal targets the design of smart sensing system for real-time automatic traffic analysis of highway rest areas. We will develop low-power sensing platforms, optimized power-saving algorithms, communications protocols, and machine-learning models to yield a novel and modular multi-nodal sensing systems that will help traffic analysis of highway rest areas efficiently. This will be a part of nationwide efforts of Intelligent Transportation Systems (ITS) for smart connected roads. To the best of our knowledge, Caltrans (or similar entity at nationwide) doesn’t have any installed ITS that can perform “automatic” and “real time” vehicle identification and classification for highway rest areas. Our proposed system will reveal high grained traffic data such that user will be able to know for “each” vehicle the time of entry and exit in the rest area and, its classification (based on axles). The proposed smart sensing and data interpretation system will maintain small foot-print, significantly cost-effective (compare to existing available systems), and will be capable of automatic identifying and classifying each vehicle in high way rest area in real-time. This research will focus on all levels of system design from architecture to computation to communication design.

Measuring Congestion Costs of Car Commuters and Their Determinants: A Counterfactual Approach (Dr. Jinwon Kim, Department of Economics)
Although the theory of traffic congestion has become one of the main themes in the field of transportation economics, empirical research quantifying the social cost of congestion is relatively rare. The main goal of this research is to fill that gap by providing new evidence on the social costs of traffic congestion, and to identify their determinants for guiding congestion-reduction policies. In this project, we measure commuters’ wasted time due to traffic congestion using a unique dataset that measures the trips and characteristics of individual commuters. We develop a new approach to measuring congestion delays, which is simple to estimate and widely applicable. Specifically, we first estimate how much time each commuter would have spent if she had experienced no congestion delays on her route. We then compare this counterfactual travel time to the commuter’s actual travel time and compute the difference. We exploit recent developments in econometrics to measure congestion costs in this manner.

Evaluation of Autonomous Vehicles and Smart Technology for Impact on Traffic Safety and Congestion (Dr. James Miles, Psychology Department)
This project proposes an analysis of human factors and driver error when considering the design of autonomous vehicles and the infrastructures that support them. The research will begin by reviewing existing research on operator inattention, with regard to situation awareness and trust in automation, to determine the potential impact on driver performance and subsequent traffic
crash risk and surprise congestion. Then the project will develop and run a driving simulation to identify driver performance costs as the level of automation increases from manual driving to fully automated travel to assess the extent to which driver performance is affected by situation awareness, workload, trust in automation and inattention. With the results from the simulation, the project will model the effects identified on potential changes in vehicle crash rates and surprise traffic congestion associated with negative automation effects. The conclusive reports will contribute vital information for the design of autonomous vehicles and the necessary infrastructures. The PIs expect to present results at conferences and publish in journals related to human factors and traffic safety. (Funding has not been distributed as of this writing)

B) Other Invited Conference Participation and Speaking Engagements

Current Professional Service and Organizational Affiliations for Dr. Thomas O’Brien

- Member, Board of Directors, Harbor Association of Industry and Commerce (2018)
- Member, Board of Advisors, Eno Center for Transportation (2018)
- Member, Advisory Board, National Transit Institute (2018)
- Liaisons Subcommittee Chair, Transportation Research Board Intermodal Freight Transport Committee (2018)
- Member, Transportation Research Board Urban Freight Committee (2018)
- Board of Directors, Los Angeles Transportation Club (2018)
- Director-at-Large, Foreign Trade Association
- Chair, Southern California Regional Transit Training Consortium (2017-2018)
- Vice President, Council of University Transportation Centers (2018)
- Chair, National Center for Supply Chain Technology Education National Visiting Committee (National Science Foundation) (2018)
- Chair, Board of Directors, Southern CA Regional Transit Training Consortium (SCRTTC) (2018)

Current Professional Service and Organizational Affiliations for Dr. Tyler Reeb

- Director of Research and Workforce Development, Center for International Trade and Transportation, California State University, Long Beach, California State University, Long Beach (CSULB) (2015-2018)
- Associate Director, Federal Highway Administration’s Southwest Transportation Workforce Center, CSULB (2015-2018)
- Editor, METRANS NEWS, METRANS Transportation Center, University of Southern California (2014-2018)
- Member, METRANS Executive Committee (2018)
- Member, Transportation Research Board (TRB) Standing Committee on Native American Transportation Issues (2018)
C) Public Statements and Positions

Executive Director Thomas O’Brien Director of Research and Workforce Development

Tyler Reeb Address Trade Laws in Op-Ed: Center for International Trade and Transportation (CITT) Executive Director Tom O’Brien and Director of Research and Workforce Development Tyler Reeb recently published an article titled, "Keeping Up With The Jones Act" in a special issue of the Long Beach Business Journal focused on goods movement. "The renewed attention to both NAFTA and the Jones Act has not necessarily resulted in a more nuanced debate," O’Brien and Reeb wrote. "In some cases, it has led to even greater divisions based upon overly simplistic arguments that gloss over the fact that trade policy can have different impacts in places as close as Long Beach and Bakersfield. But it's good to question policy and honestly assess its impact. "The article explains the origins of the Jones Act-which was in the news in the wake of recent hurricanes-how and when it is waived, and how the effects of the Jones Act impact the industry and the transportation workforce.

- Article may be accessed at: http://www.lbbizjournal.com/single-post/2017/10/09/Keeping-Up-With-The-Jones-Act

Research In Transportation Business & Management Journal Article, “Trucking Regulation as a Critical Chain Asset in Port Complexes,” by CITT Executive Director Thomas O’Brien and Peter Hall, Professor and Director of Simon Fraser University’s Urban Studies Program in British Columbia, Canada

O’Brien co-authored the article "Trucking Regulation as a Critical Chain Asset in Port Complexes” with Peter Hall, Professor and Director of Simon Fraser University's Urban Studies Program in British Columbia, Canada. Their paper argues that port trucking regulation is an increasingly important arena of supply chain governance in maritime ports. O'Brien and Hall discuss and contrast recent developments in the Southern California and Vancouver ports to demonstrate how the successful accumulation of value within port-related supply chains is increasingly vulnerable to disruption and inefficiency in port trucking.

- To read Thomas O'Brien's full article, click here: http://bit.ly/2yR4wLN

D) CITT Instructor Awards and Recognition

George Marshall Instructor Award for outstanding GLS instructor was awarded to Tom Gould, Senior Director, Customs and International Trade, for Sandler, Travis & Rosenberg, P.A. (Fall 2017) and Kathryn McDermott, maritime real estate and business development consultant and former Deputy Executive Director of the Port of Los Angeles (Spring 2018).

The 2017-2018 Bill Wisener Distinguished Service award, presented to a CITT instructor for contributions to CITT students and programs, was awarded to Brandon Lecou, Regional Operations Manager for Hamburg Sud Shipping Lines.

The Carolyn Martin Outstanding MTOP Award was awarded to Gene Harris, the General Manager of Yard & Gate at Yusen Terminals LLC.
E) CITT Student Awards and Recognition

**Students on CITT Payroll as Fellow, Assistant, Internships, Volunteers**

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Position</th>
<th>Major</th>
<th>Undergrad/Grad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anete Brinke</td>
<td>Research Assistant</td>
<td>Economics</td>
<td>Grad</td>
</tr>
<tr>
<td>Rachel Brownell</td>
<td>Research Assistant</td>
<td>MFA Creative Writing</td>
<td>Grad</td>
</tr>
<tr>
<td>John Ho</td>
<td>GIS Research Assistant</td>
<td>Geography (GIS)</td>
<td>Grad</td>
</tr>
<tr>
<td>Nick Jenkins</td>
<td>Research Assistant</td>
<td>Economics</td>
<td>Grad</td>
</tr>
<tr>
<td>Omar Lopez</td>
<td>Office Assistant</td>
<td>Criminal Justice</td>
<td>Undergrad</td>
</tr>
<tr>
<td>Ahmed Mohammed</td>
<td>Research Assistant</td>
<td>Supply Chain Management</td>
<td>Grad</td>
</tr>
<tr>
<td>Troy Mullen</td>
<td>Research Assistant</td>
<td>Business Administration</td>
<td>Grad</td>
</tr>
<tr>
<td>Benjamin Olson</td>
<td>GIS Research Assistant</td>
<td>Geography (GIS)</td>
<td>Grad</td>
</tr>
<tr>
<td>Stacey Park</td>
<td>Research Assistant</td>
<td>MFA Creative Writing</td>
<td>Grad</td>
</tr>
<tr>
<td>Sean Reseigh</td>
<td>GIS Research Assistant</td>
<td>Geography (GIS)</td>
<td>Grad</td>
</tr>
<tr>
<td>John Rowles</td>
<td>GIS Research Assistant</td>
<td>Geography (GIS)</td>
<td>Grad</td>
</tr>
<tr>
<td>Purva Sawant</td>
<td>Research Assistant</td>
<td>Supply Chain Management</td>
<td>Grad</td>
</tr>
<tr>
<td>Jananee Sekar</td>
<td>Research Assistant</td>
<td>Business Administration</td>
<td>Grad</td>
</tr>
<tr>
<td>Kylie Shahar</td>
<td>Office Assistant</td>
<td>Philosophy</td>
<td>Undergrad</td>
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<tr>
<td>Shivangi Sharma</td>
<td>Research Assistant</td>
<td>Business Administration</td>
<td>Grad</td>
</tr>
<tr>
<td>Paramprett Singh</td>
<td>Research Assistant</td>
<td>Business Administration</td>
<td>Grad</td>
</tr>
<tr>
<td>Charity Sotero</td>
<td>Research Assistant</td>
<td>Applied Statistics</td>
<td>Grad</td>
</tr>
<tr>
<td>Jakob Stern</td>
<td>Research Assistant</td>
<td>Business Administration</td>
<td>Grad</td>
</tr>
<tr>
<td>Miles Winston</td>
<td>Research Assistant</td>
<td>Supply Chain Management</td>
<td>Grad</td>
</tr>
</tbody>
</table>
Two CITT Research Assistants Named Finalists in SCAG Story Map Competition

CITT research assistants, Sean Reseigh and Benjamin Olson were finalists at SCAG’s 53rd Regional Conference and General Assembly in the Esri Story map Competition. Their Story Map, titled “Driving Geographic Information Systems (GIS) Career Pathways,” illustrated the journal of a fictional student progressing through a GIS-driven career pathway. This Story Map is an ideal artifact that can be used to illustrate CITT’s career pathway initiatives and workforce research.

- To view the “Driving GIS Career Pathways” Story Map, visit: https://arcg.is/0P1qia

Outstanding Student of the Year Awards Presented at TRB 2018

The 2017 Outstanding METRANS Student of the Year Award was presented to Miles Winston, CSULB Master of Science in Supply Chain Management (MSSCM) student and CITT Research Assistant, at TRB 2018. He was selected as the METRANS Tier 1 University Transportation Center award winner. The award honors outstanding students from University Transportations Centers around the nation who have shown exemplary work at their UTC and in the classroom. The USDOT fully sponsors the student awardees attending the banquet and student attendance at TRB.

CITT submitted a proposal for Intermodal Association of North America’s (IANA) scholarship program. CITT was granted $20,000 in January 2018 to be awarded as listed below. Students selected for this scholarship program began after July 1, 2018.

- Scholarships for CSULB students and/or recent graduates to enroll in the GLS or MTOP programs ($15,000)
  - Carina Lam, Esmeralda Agredano-Salazar, Iris Velazquez, and Ranjie Torres were awarded these scholarships.
- Scholarships for CSULB students to participate in an internship opportunity and enroll in a credit course to receive course credit for the internship ($5000)

CITT students were awarded $37,900 in scholarships for the 2017-2018 academic year from numerous industry associations and organizations:

- The Harbor Transportation Club awarded $500 to Alvaro Padilla, student from the Academy of Global Logistics at Cabrillo High School
- The Los Angeles Transportation Club Awarded GLS student, Lauren Galzote, with $3500 scholarship.
- The Los Angeles Transportation Club Awarded issued the LATC Endowment Scholarship to David Palacios. He received $3,700.
- The Port of Long Beach awarded $15,000 in scholarships to students in the MSSCM program.
  - Andrew Kirby ($5000)
  - Samantha Nguyen ($5,000)
Kevin Garity ($5,000)

Kevin Turner, GLS graduate and GLS Instructor, awarded $500 to MTOP student Claudia Moreno.

The Container and Intermodal Institute awarded three scholarships for a total of $8000 to students in MSSCM programs during the CONNIE Awards held on Sept. 19, 2017.

- Emily Pahon: $1,000 MSSCMCII (Sponsored by JOC)
- Miles Winston: $1,000 MSSCMCII (Sponsored by POLB)
- Andrew Kirby: $2,000 MSSCMCII
- Mikyung Zdybowicz: $2,000 MSSCMCII
- Katelyn Schipske: $2,000 GLSCII

CITT’s Richard Hollingsworth Professional Development Scholarship awarded $3700 to GLS students:

- Benjamin Landay ($1875)
- Linda Fatland ($1825)

MSSCM Student Evelyn Park was selected for WTS Scholarship in the amount of $3000.

http://www.wtsinternational.org/losangeles/wts-la-directors%e2%80%99-scholarship-realizing-your-dream%e2%80%a6and-paying-for-it/

Extent of Student and Faculty Participation from other CSU’s or Universities

The structure of the METRANS partnerships requires on-going collaboration with students and faculty from institutions in our various consortia, including research institutes in Paris and Seoul.

Extent of Participation by Industry and Non-Governmental Organizations

All GLS and MTOP instructors represent industry leading organizations. The complete GLS roster can be found at https://www.ccpe.csub.edu/continuinged/course_listing/programdescription.aspx?ProgramID=186&Return=CITT&rpID=117&content=9 and the complete MTOP roster can be found at https://www.ccpe.csub.edu/continuinged/course_listing/programdescription.aspx?ProgramID=190&Return=CITT&rpID=117&content=9. CITT award-winning instructors Ebony Leob, Matthew Schrap, Nadine Fratianne-Wardwell, Sue Dexter, Brandon Lecou, and John Beghin are also affiliated with Ports America, Velocity Vehicle Group, UPS, Hamburg Sud North America, Inc., and Long Beach Container Terminal respectively. See also New Instructors in Education and Training section and CITT Policy and Steering Committee Members and Advisors in Outreach section.
Scholarly Achievements Consistent with CITT Mission
A) Publications Developed by CITT

METRANS News, an eight-page newsletter, serves as the official newsletter of the METRANS Transportation Center. It features research, student awards and activities, new program initiatives, and summaries of events. It is distributed to University Transportation Centers, faculty, and industry stakeholders. Three issues were distributed in 2017-18 and are available in print and online at: http://www.metrans.org/newsletters-0. CITT Director of Research and Workforce Development Tyler Reeb serves as the METRANS News editor.

The CITT website is continually updated to ensure that it is a reliable source of information. The website is accessible at www.ccpe.csulb.edu/citt. The METRANS website (www.metrans.org) is a central portal for information on METRANS and CITT’s programs including the National Center for Sustainable Transportation, the MetroFreight Volvo Center, and the Southwest Transportation Workforce Center. All research reports generated by CSULB faculty using METRANS funding are available at metrans.org.


Director of Research and Workforce Development Tyler Reeb is editing a collection of essays related to new mobility and the future workforce. The book is called Empowering the New Mobility Workforce and it will be published by Elsevier in Spring of 2019.

B) Presentations/Seminars/Workshops Presented by CITT

Webinar: Cultivating Talent: Bridging the Gap Between Classrooms and Workplaces
Tyler Reeb, CITT Director of Research, SWTWC Associate Director, moderated a webinar convened by SWTWC. Titled “Cultivating Talent: Bridging the Gap Between Classrooms and Workplaces,” the webinar took place on September 7, 2017, in partnership with the Transportation Research Board’s Standing Committee on Education and Training, and featured the following panelists:

- Jason A. Tyszko, U.S. Chamber of Commerce Foundation, discussed the employer-driven Talent Pipeline Management Academy (TPM);
- Kevin Nunes, Kuehne + Nagel Inc. discussed his firm's innovative private-sector apprentice program; and
- Mandy Wolff, Rock Hills (SC) School District 3, discussed her innovative workplace learning initiatives to infuse career pathway awareness and training for students in grades 8-12.

The webinar discussion focused on overcoming workforce development challenges as transportation employers are investing more resources into cultivating skilled professionals.
They are doing so by establishing apprenticeship programs and applying lessons learned from supply chain management (SCM) in partnership with education and workforce partners to help close skill gaps for employees. The TPM uses several strategies to accomplish this including organizing employer collaboratives, engaging in demand planning, communicating competency and credential requirements, analyzing talent flows, and building talent supply chains.

**Advanced Technologies and the Impact on Transportation Industries: a Workforce Conversation Webinar**

CITT Executive Director Thomas O’Brien served as a panelist during the webinar titled "Advanced Technologies and the Impact on Transportation Industries: a Workforce Conversation." Taking place on December 18, 2017, the webinar addressed the rise of transformational technologies in the transportation industry and the increasingly challenging demands these technologies have on public and private sector agencies, businesses, and institutions.

**Transportation Research Board Panel 2018**

The 2017 Outstanding Student of the Year Award was presented to Miles Winston, CSULB Master of Science in Supply Chain Management (MSSCM) student and CITT Research Assistant. The event took place January 7-11, 2018 in Washington D.C.

**Caltrans Freight Academy**

Some foundation in goods movement and supply chain management will benefit those making decisions, projections, and assumptions about the transportation and warehouse sectors, among others, as part of the planning process. METRANS designed and implemented two four-day training academies, one in the Inland Empire and one in Sacramento, for Caltrans staff from district offices and headquarters. The Inland Empire session’s focus was on intermodal freight operations. The Sacramento session included discussions of issues important to California’s Central Valley, including agricultural supply chains. The classes helped to test the effectiveness of training materials and at the same time provided an opportunity for Caltrans personnel from different parts of the State and from different units to provide input on the need for freight-related professional development.

**MOBILIZE Dar es Salaam 2018**

MOBILIZE is the annual sustainable transport summit of the Institute for Transportation and Development (ITDP). Each year, ITDP and the Sustainable Transport Award (STA) Committee select a city that has implemented innovative sustainable transportation projects in the preceding year. The winning city then hosts MOBILIZE in the following year. This year’s conference sessions, held in Dar es Salaam, Tanzania from June 26 to June 28, focused on how to manage active transportation, transit service, public health, financing, public space, and urban freight within high-growth environments. CITT Executive Director Director Thomas O’Brien’s presentation explored the relationship between sustainable freight technology and workforce development. He cited both the challenges and benefits of these technological applications, from the new skilled, multi-disciplinary positions they create to the possible automation of tasks and displacement of workers.
VREF Workshop in Dar es Salaam, Tanzania
The Volvo Research and Educational Foundations (VREF), one of the sponsors of MOBILIZE 2018, held a VREF Network Workshop immediately before the three-day conference from June 26-28, 2018. MetroFreight Director of Research and Outreach Thomas O’Brien served as a moderator for a session titled, “Moving Goods in Metropolitan Areas

CITT Town Hall
The 2018 Town Hall meeting, “Clean Air Action Plan 3.0: Balancing Benefits and Costs,” was held in the Gerald Daniel Recital Hall at Long Beach State University on March 29, 2018. This year’s event opened up the discussion about CAAP 3.0: the pressure of the deadline, the progress of technology, the costs of going zero-emission, economic impact, and ultimately, whether the costs and benefits will balance out. For more details on the CITT 2018 Town Hall visit: https://metrans.org/news/2018-citt-town-hall-meeting-explores-clean-air-action-plan-30

C) Other CITT Research Activities

Port of Long Beach/California Energy Commission Zero-Emission Vehicle Workforce Development
CITT will support the Port of Long Beach’s grant application to the California Energy Commission under GFO-17-604, Electric Vehicle (EV) Ready Communities Challenge Phase I – Blueprint Plan Development. The Port Community EV Blueprint will not only address opportunities for the Port of Long Beach to accelerate adoption of zero-emissions equipment, but it will serve as a model for other California seaports to plan, collaborate, and act to implement their own EV-ready communities. This work will align with California’s Sustainable Freight Action Plan, which our organization is also working to implement. The Port Community EV Blueprint project will provide an economical, demonstrated approach to EV planning for use by all California seaports. This information will be critical for use by CITT/CSULB in preparing California’s emerging workforce for coming challenges as California seaports to transition to zero emission

CITT Chassis Research
Following Director Thomas O’Brien’s chassis research during the last reporting period, Dr. O’Brien is writing a paper that will be submitted for peer-review. This paper will be assessing the potential benefits of the port-wide chassis pools at the Ports of Los Angeles and Long Beach, incentives for truckers, and terminal operators and ocean carriers to take part in shared equipment management strategies:

Chassis shortages affect supply-chain efficiency as they limit the volume of containers moving through a port. In the past 20 years, the ports of Los Angeles and Long Beach have faced unique chassis management challenges due to the state government’s emphasis on reducing freight emissions and congestion and changing industry approaches met by stakeholders across the supply-chain. This paper studies the evolving management practices of chassis in both the Los Angeles and Long Beach ports by documenting the stakeholder collaboration process. Information on chassis practices in other parts of the
United States, as well as various theories based on port-collaboration case studies are provided to help frame the methodology. The study of chassis management at the ports of Los Angeles and Long Beach includes the following steps: (1) Conducting a literature review to perform inductive research; (2) Analyzing the problem by visualizing chassis movement; (3) Interviewing stakeholders to obtain feedback on chassis management practices; and (4) Creating reports to aid future research. Conducting research through this process reveals that chassis management has significant implications for planning and for supply-chain optimization. Not only does chassis management affect the local supply-chain, but it can also affect operations in different parts of the US. Chassis repositioning issues are an example of the port-supply chain having far-reaching effects, and so the implications are great in that they apply to both the government and supply-chain context and can also be applied to other non-chassis related issues as well.

Research Consistency with Academic Standards and Legal Conformity (statement outlining how the research activities of the ACI are consistent with generally accepted tenets of scholarships and standards of academic research and are in conformity with all applicable laws)

CITT’s federal funding through the METRANS Transportation Center for research includes a requirement that PIs publish in peer-reviewed journals and at academic conferences. Awarding of research funding is dependent upon established success in meeting these goals or, in the case of junior faculty, academic promise and potential.

Sources and Amounts of CITT Income

A) Grants, Endowments, Contracts and Donations

CITT received grants, contracts, and donations for its education, research, and outreach activities totaling $1,877,364.

CITT continues to manage four endowments established in the College of Continuing and Professional Education for Students in CITT-related credit and non-credit programs. Those endowments are:

- Los Angeles Transportation Club,
- Marianne Venieris Harbor Transportation Club Endowment Scholarship Fund,
- Richard Hollingsworth Fund, and
- Harbor Association for Industry and Commerce Endowment.
CITT is home to four endowments that were established in the College of Continuing and Professional Education:

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CITT submitted a proposal for Intermodal Association of North America’s (IANA) scholarship program. CITT was granted $20,000 in January 2018 to be awarded as listed below. Students selected for this scholarship program began after July 1, 2018.

- Scholarships for CSULB students and/or recent graduates to enroll in the GLS or MTOP programs ($15,000)
  - Carina Lam, Esmeralda Agredano-Salazar, Iris Velazquez, and Ranjie Torres were awarded these scholarships.
- Scholarships for CSULB students to participate in an internship opportunity and enroll in a credit course to receive course credit for the internship ($5000)

CITT students were awarded $37,900 in scholarships for the 2017-2018 academic year from numerous industry associations and organizations:

- The Harbor Transportation Club awarded $500 to Alvaro Padilla, student from the Academy of Global Logistics at Cabrillo High School
- The Los Angeles Transportation Club Awarded GLS student, Lauren Galzote, with $3500 scholarship.
- The Los Angeles Transportation Club Awarded issued the LATC Endowment Scholarship to David Palacios. He received $3,700).
- The Port of Long Beach awarded $15,000 in scholarships to students in the MSSCM program.
  - Andrew Kirby ($5000)
  - Samantha Nguyen $5,000)
  - Kevin Garity ($5,000)
- Kevin Turner, GLS graduate and GLS Instructor, awarded $500 to MTOP student Claudia Moreno.

The Container and Intermodal Institute awarded three scholarships for a total of $8000 to students in MSSCM programs during the CONNIE Awards held on Sept. 19, 2017.
  - Emily Pahon: $1,000 MSSCMCII (Sponsored by JOC)
  - Miles Winston: $1,000 MSSCMCII (Sponsored by POLB)
Andrew Kirby: $2,000 MSSCMCII
Mikyung Zdybowicz: $2,000 MSSCMCII
Katelyn Schipske: $2,000 GLSCII

CITT’s Richard Hollingsworth Professional Development Scholarship awarded $3700 to GLS students:
   - Benjamin Landay ($1875)
   - Linda Fatland ($1825)

MSSCM Student Evelyn Park was selected for WTS Scholarship in the amount of $3000.
http://www.wtsinternational.org/losangeles/wts-la-directors%e2%80%99-scholarship-realizing-your-dream%e2%80%a6and-paying-for-it/

SB-1 Funding: CITT, along with partners in the CSULB College of Engineering, is part of a statewide research consortium of CSU campuses awarded $2 million to undertake transportation related research and workforce development under SB-1, the Road Repair and Accountability Act of 2017. CITT was awarded one grant under SB-1 as Co-PI (See Geospatial Information Tools in Research) and administers the grant competition on campus.

Space Description and Amount Occupied
Since July 2016, CITT has been located in the CSULB Research Foundation Building, 6300 State University Dr. CITT is now housed in Suite 255, part of Suite 104, and since September 2018 in Suite 109. The main office, in Suite 255, is approximately 1663 square feet that includes 100 square feet of an outside patio and 100 square feet of a storage room and partial kitchen. That suite houses seven permanent employees, one part-time employee, and one student assistant. There is a small area that provides two chairs for visitors. There are four cubicles in Suite 104 that house as many as nine research assistants. The space added in September 2018 in Suite 109 is set up with two cubicles for key part-time employees and two research assistant mini-cubicles designated for our research assistants that are GIS specialists. The furniture, computers, and the painting of this space were funded in total with CITT funds.

Acquisition of Equipment or Tangible Assets Valued over $5,000
There are no assets to be reported.

Minutes of CITT Policy and Steering Committee Meetings
Minutes for the four CITT Policy and Steering Committee Meetings held during the reporting period are as follows:

CITT Policy and Steering Committee Meeting
September 26, 2017

CITT Members and Alternates on the call: Rich Dines, Gen Giuliano, Michele Grubbs, Mark Hirzel, Pilar Hoyos, CJ Nord, Tom O’Brien, Connie Rivera, Patty Senecal, Elizabeth Warren
Staff in attendance: Alix Traver and Marisa Eide

Tom O'Brien called the meeting to order.

CITT Announcements and Calendar
September 28 – FTA Webinar – US Export Administration Regulations – Bob Bowen
October 10 – LATC Executive Speaker Series – Todd Strever
October 17-20 – INUF

CITT Updates
CITT continues to partner with the Port of Long Beach and Long Beach Unified School District for the Cabrillo Academy of Global Logistics program. Currently, the focus is on the 11th grade camp that will be happening this fall. We are featuring AGL as part of INUF.

METRANS Updates
INUF is quickly approaching. The site tour is in the works. One stop will be the new ILWU dispatch hall.

CITT Town Hall
Tom led a discussion to recap the recent Town Hall and plan for the future. It is again important to focus on who the audience is or should be. The group discussed CAAP 3.0 as the topic for 2018 and the majority agreed on the subject. Elizabeth Warren mentioned that this might target environmentalists to be part of the audience or to participate. It was suggested that we look at the Sustainable Supply Chain Committee as resources.

We are looking at a 2018 spring break date at the Gerald Daniel Recital Hall and will let people know what we find out.

We will again give out the Miretti Award. We will take nominations as well as look back at those from 2017 and discuss.

We plan on a video from Dave Kelly and it was agreed that it should be shorter to allow for more program time.

CITT Policy and Steering Committee Meeting
January 23, 2018

CITT Members in attendance: Tom O'Brien, Gen Giuliano, Michele Grubbs, Mark Hirzel, Alan McCorkle, Patty Senecal, Elizabeth Warren

Staff in attendance: Alix Traver, Marisa Eide, Dave Kelly, Marianne Venieris Gastelum

Tom O'Brien called the meeting to order.
CITT Updates
Announcements were discussed as indicated on the attached agenda. The date for the Port of Long Beach’s State of the Port was corrected to January 24. Elizabeth Warren added that June 28 is the date for FuturePorts’ annual conference at the Hyatt Regency.

Steve Lantz has accepted the invitation to join the CITT Policy & Steering Committee. (See attached updated roster.) Nancy Pfeffer asked for some additional time. Mark Hirzel suggested that the new president of LACBFFA continue to be a member. He will provide the new president’s name after the upcoming election.

CITT will be reminded everyone regarding the upcoming MTOP classes starting February 6. We continue to encourage veterans to enroll in the program.

METRANS Updates
The dinner celebration for 20th anniversary for METRANS has been moved to October 4 at USC.

CITT Town Hall
As a reminder, the date for the 2018 Town Hall is March 29 at the CSULB Gerald Daniel Recital Hall with the topic of CAAP 3.0. There will be a PSR meeting on the campus that morning and the participants will be encouraged to attend the Town Hall.

The Committee discussed the title and it was agreed to use CAAP 3.0: Balancing Benefits and Costs.

O’Brien announced that he has confirmed two speakers, Norbert Ore, ISM, and Aravind Kailas, Volvo. He suggested Phil Davies who would give the terminal perspective.

- Action item: CITT Staff will send Phil Davies’ bio to the Committee for review. Committee members should email any comments to Thomas.obrien@csulb.edu.

Various names were discussed for the one or maximum of two other panel spots. For finance, Marianne Gastelum suggested Ron Nichols of SCE.

- Action item: Gastelum will contact Ron Nichols for interest.

Other ideas was someone from SoCal Gas or the Diesel Forum. Other ideas were Bob Foster to discuss finance, perhaps an academic, or perhaps someone from consulting or an outside environmental firm. Also mentioned were the Ports, AQMD, the Legislative Analyst’s Office, and Erik Neandross of Gladstein, Neandross & Associates.

- Action item: Michele Grubbs will contact Dick Steinke at Moffatt & Nichol. Patty Senecal will send O’Brien a name for SoCal Gas.

It was noted that there will most likely not be a labor representative on the panel. The subject matter, however, should be of interest and therefore we will need to work to encourage their attendance.
Domenick Miretti Award nominees: O’Brien asked the Committee to send their nominations to him as soon as possible.

- Action item: CITT Staff will remind the Committee to send their Miretti Award nominations to O’Brien.

Town Hall video: Dave Kelly has basically completed the script. He is now filling in sound bites and needs assistance. For a sound bite from an expert on trade and market share, the Committee suggested Jacque O’Connell, Bill Mongelluzzo, Joe Maggaddino or Wade Martin. For the sound bite for the Ports, suggestions included Heather Tomley, Mario Cordero and Gene Seroka, or one their associate directors. For a battery power/technical expert, the suggestions included Jolene Hayes of Fehr and Peers or a METRANS Researcher, e.g., Matt Barth of UCR. For a sound bite regarding the regulatory aspect, the suggestion was Fran Inman.

- Action item: O’Brien asks the Committee members to review the script and send any comments and suggestions to Tom.

- Kelly will send out the final script pending final suggestions from the Committee.

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**CITT Policy and Steering Committee Meeting**  
**February 27, 2018**

**CITT Members in attendance:** Tom O’Brien, Gen Giuliano, Kerry Cartwright, Pilar Hoyos, Alan McCorkle, CJ Nord, Elizabeth Warren, Steve Lantz

**Staff in attendance:** Kylie Shahar, Dave Kelly

Tom O’Brien called the meeting to order.

**CITT Updates**
CITT is piloting the GLSI Executive Program (with Ecole de Commerce in Paris). They will send 10 students in the fall or spring—Graduate business students will enroll in GLS and take other classes in logistics and supply chain in the MSSCM program.

**METRANS Updates**
2018 will be the 20th anniversary of METRANS – the 1998 legislation was officially signed on June 9th. A gala dinner will be held on October 4, 2018 at USC in the Town and Gown facility. The reception will start at 5:00 p.m., and there will be a speaker accompanying dinner.

We are in year two of the regional PSR grant (for the 5-state southwest region).

METRANS/PSR will be issuing an RFP for second round research grants, target date is March 1. Then the proposals will be sent out for peer review. Projects will be coming in from the
California Schools (Davis and other partners), as well as Northern Arizona University. This grant requires 100% match.

Recap: INUF 2017 has become a model. VREF has started a similar conference on the off year. INUF-Europe will be in Gothenburg this October.

Tom and Gen are going to Tanzania for the Mobilize Conference, which will focus on sustainable transportation – and more specifically with a freight focus.

Dedicated SB1 funding – CSUs got $2 million per year. Long Beach, Fresno, Chico, San Jose à consortium. Long Beach can fund about 8 projects (engineering, supply chain, freight).

**Town Hall Updates**

CAAP 3.0: Balancing Benefits and Costs – will focus on outside the region perspectives. We have two challenging panelist slots that we need to fill: maybe someone with an energy focus (to talk about the cost of energy), and someone with a finance perspective. We shouldn’t just have people from the industry – we also need regulatory perspectives. O’Brien requested committee members email him suggestions.

Marianne Venieris Gastelum is being awarded the Domenick Miretti Award. Norman Fassler-Katz will fly down to present it to her.

We are at the last push for sponsorships. Watson Land and LA Custom Brokers are sponsors so far with a few possibilities still pending. We are also asking ILWU.

**CITT Policy and Steering Committee Meeting**  
**April 24, 2018**

**CITT Members in attendance:** Tom O’Brien, CJ Nord, Mark Hirzel, Steve Lantz, Marianne Venieris Gastelum

**Staff in attendance:** Kylie Shahar, Alix Traver

Tom O’Brien called the meeting to order. There was not a quorum for this meeting so the previous meeting’s minutes were not discussed.

**Announcements and Calendar**

- May 4 – LA Area Chamber of Commerce 92nd Annual World Trade Week Kickoff
- May 8 – LATC Executive Speaker Series presents Greta Geankoplis
- May 15 – FTA 92nd Annual World Trade Week & International Delegate Luncheon (with LACBFFA)

**CITT Updates**

CITT Graduation will be July 10 at the Gerald Daniel Recital Hall. It will include AGL, MTOP, and GLS. PSC members are all invited.
O’Brien hosted Gen Giuliano on the newest episode of *Trade Talks*, discussing 20 years of freight transport. The link will be available on the CITT website and we will send out an email blast regarding it soon.

Five AGL students were sponsored by JOC to attend TPM. Lori Smith from Johnson & Johnson Consumer Inc. made the connection with JOC.

**METRANS Updates**
There will be a METRANS Seminar on Monday, May 7, 5:00 PM to 6:30 PM, featuring CSULB PhD student Timothy VanderBeek. His topic is Centralized Processing of Chassis: Modeling, Analysis and Optimization.

METRANS 20th Anniversary dinner celebration will be on October 4.

The Town Hall video and webcast are now available on the CITT website.

Two Caltrans Freight Academy Classes were held over the past month in Ontario and in Sacramento. In the Ontario class, we focused on intermodal freight. For the Sacramento class, we featured farm-to-market supply chains. Caltrans wanted us to look at how the freight unit interacts with other parts of Caltrans for both of the classes. Both classes made use of a walking freight audit app that CITT Research Assistants developed to assess a site’s effectiveness at accommodating various freight-serving uses. CJ Nord thought the app would have utility beyond the classroom.

CITT is also completing a Freight Capacity Building Study for Caltrans. The study looks at skills and competencies needed to allow Caltrans to effectively plan for and manage a statewide road and rail network that supports freight. It also identifies opportunities for professional development that increase the DOT’s freight-related capacity.

**Town Hall Debrief**
O’Brien shared that we were disappointed in the attendance at the recent Town Hall and asked for thoughts as to what we should do. Alix Traver reported that we had nearly 210 registrations on EventBrite but only a maximum of 150 showed up. She indicated that it may be that because the event is free and thus when the end of the day comes, the prospective attendee has a choice to go to the event or go home without any cost. Some thoughts about why the attendance was light was that there was no name recognition with the panel, the proximity to the Pulse of the Port event, and perhaps of the very traditional format. There was also concern that the date was too close to a holiday weekend.

O’Brien asked is it worth it? C.J. Nord said yes, that it is of value but perhaps it should be part of a different event.

The discussion moved to ways to improve the event and thus the attendance. We do need a strong moderator that knows how to utilize the Q&A section to get interaction with the audience and the panelists. Some people seemed to come just to the reception and then left. Marianne
Venieris Gastelum suggested that the reception be held after the event. Other suggestions included co-sponsoring with other organizations, having the event during the day or on Saturday, rethinking the timing of when we have the event, and perhaps changing the format. Might we become a part of the Pulse of the Port or one of the other events? This also may be the time to try something new, e.g., Skype. The Point/Counterpoint concept seemed to work as well and we could revisit that approach.

A suggestion was that we create a stand-alone event for the Miretti Award, perhaps a breakfast. It is important there too to have the “right” recipient. We might even include the award as part of I-NUF.

The question came up as to why TPM as well as the FuturePorts annual conference are growing? TPM has become an event where people go to meet others. There is a feeling of exclusivity.

O’Brien asked what is unique that we can do. One major thing is that we have brought labor to the table. We also act as a neutral entity. We have research as a core. And we have included the BCOs.

Gastelum suggested that perhaps we should consider a whole “new event.” O’Brien suggested a workforce development report. We could have an open forum with a white paper as the result. Perhaps we have the event be by invitation only.

We might also focus on topics that make people “mad” or are considered controversial: the regulatory environment, how litigation affects American goods, automation, autonomous vehicles. One subject might be “will automation make American goods more competitive?”

The discussion then focused on perhaps having the Town Hall connected to I-NUF, perhaps as the Monday night reception. It might encourage people to attend I-NUF as well. We might want to consider then charging for the reception/Town Hall or roll it into the cost of an I-NUF registration.

These ideas need to get out to the PSC for input. We will continue the conversation at the next conference call meeting on May 22 at 8:00 a.m.