



2012 Annual Report

San Francisco Bay Area Section of the Institute of Transportation Engineers



Institute of Transportation Engineers

Section Annual Report Form

For the period January 1, 2012 to December 31, 2012 for

San Francisco Bay Area Section of the *Institute of Transportation Engineers*

Officers:

Current Officers and Committee Chairs:

President	Mousa Abbasi
Vice President	Jia Hao Wu
Secretary	Kimberly Leung
Treasurer	Tiffany Barkley
Past President	Kamala Parks
Technical Chair	Afsaneh Yavari
Membership Chair	Lin Zhang
Legislative Coordinator	Michele DeRobertis
Student Chapter Coordinator- South Bay	Murali Ramanujam
Student Chapter Coordinator- East Bay	Eduardo Serafin
Mentoring Chair	Paul Stanis
Website Administrators	Sam Lam and Desmond Chan
Web Design Administrator	Joakim Osthus
Awards Chair	Amit Kothari
ITS Coordinator	Joy Bhattacharya
Social Events Chair	Kimberly Leung
Golf Tournament Chair	Jerry Robbins
Chair of Past Presidents' Council	James Helmer
Sponsorship Chair	Bhanu Kala

Membership:

Number	Membership Grade	Section Annual Dues Rate
2	Honorary	\$ 0
74	Fellow	\$ 20
0	Fellow Life	\$ 0
0	Fellow Retired	\$ 0
0	Member 10	\$ 20
406	Member	\$ 20
0	Member Life	\$ 0
3	Member Retired	\$ 20
0	Associate 10	\$ 20
0	Associate	\$ 20
0	Associate Life	\$ 0
0	Associate Retired	\$ 20

9	Institute Affiliate	\$ 20
0	Institute Affiliate Retired	\$ 20
82	Student Member	\$ 0

Financial:

Does your section have a Federal Employer Identification Number?

Yes No

If yes, what is the number? _____

Balance of Funds on hand at the Beginning of the Reporting Period: \$35,950.12

Checking Account	\$ 20,555.82
Scholarship Fund	\$ 15,394.30

Income for the Reporting Period:

Membership Dues	\$ 7,367.60
Gross Income from Meetings	\$ 16,305.50
Investment Income	\$ 2.81
Advertising Income	\$ 0.00
Other Principal Sources of Income (please list below):	
Golf Tournament	\$ 635.71
Technical Programs	\$ 1,882.58

Total Income: \$ 26,194.20

Expenditures for the Reporting Period:

Newsletter Printing/Postage	\$ 0.00
Travel	\$ 1,331.48
Meetings	\$ 16,426.69
Special Projects	\$ 5,159.10
Awards	\$ 277.38
Other Expenditures:	
Student Activities	\$ 1,236.64
Online newsletter and events service	\$ 447.00
Technical Programs	\$ 1,836.00
Elections	\$ 515.74
Scholarships	\$ 3,000
Total Expenditures:	\$ 30,373.01
Net Income (Expense)	\$ (4,178.81)

Balance of Funds on hand at the End of the Reporting Period: \$31,771.31

Checking Account	\$ 19,374.20
Scholarship Fund	\$ 12,397.11

Was there a change in the Section Bylaws during this reporting period? (If yes, please attach a copy of the new bylaws.)

Yes No

Technical Activities:

Website Improvements (expected completion- April 2013)

In 2012, the section undertook a project to upgrade and improve its website. The chapter's website is maintained and updated by a volunteer webmaster. It was previously based on HTML language, which requires programming knowledge and a significant time commitment from the volunteer webmaster. In order to make the work of the webmaster easier and to enable people without programming knowledge to volunteer for this position, the section decided to update the website to a more modern and user-friendly format. The chapter board formed a committee (Joakim Osthus, Sam Lam, and Mousa Abbasi) to lead the project. Following discussions about the desired outcome and level of effort needed, the board decided to seek the assistance of an outside consultant. An amount of \$5,000 was budgeted for the services of this consultant.

The new website has been fully designed and the chapter is in the final stages of transferring over content and fixing remaining bugs. The new website is expected to be operational by April 2013. The new website will feature everything that was included on the old one as well as a few new additions. Additional features include: improved calendar function to display upcoming and past events, a polling function and an easy and convenient way for members to subscribe to our newsletter. Most importantly, upkeep of the website no longer requires specific computer language skills. The section hopes that this will allow more members to help the webmaster keep the site up-to-date, reducing the workload for all involved.

Modeling Workshop

The section held its Fifth Annual Transportation Modeling Workshop on March 30, 2012. The theme of this workshop was "Modeling for Sustainable Integration of Urban Land Use, Transportation and ITS/Control". The objectives of this seminar were to show what innovative transportation modeling tools are available to our engineers and planners in the transportation modeling industry, and how these tools can be applied to transportation planning/engineering projects.

This year, internationally renowned superstars joined our own local heroes to share the latest transportation modeling technologies and research. Speakers came from the international transportation modeling software development industry, the Bay Area Council, UC Berkeley, the Association of Bay Area Governments, the San Francisco County Transportation Authority, and elsewhere to talk about their current modeling activities, meso-scopic modeling, and land use-transportation models. The application areas included:

1. California SB 375 and urban/transportation planning
2. land use modeling systems
3. green house gas reduction
4. travel demand forecasting methodologies
5. highway operations with the meso and micro simulations
6. adaptive traffic control and ITS applications
7. transit operations

Legislative Activities during this reporting period:

The SF Bay Area section of ITE keeps its members informed of legislative news related to transportation through a section legislative blog. Topics discussed in 2012 included California State Bill 1380, which would exempt Bicycle Plans from full Environmental Impact Review, and California State Bill AB 2245, which would exempt bike lane projects from full Environmental Impact Review.

Meetings held during this reporting period:

The section held nine lunch meetings in 2012 to conduct section business and provide informative technical talks to members and interested Bay Area professionals. Brief meeting summaries are presented here, with meeting flyers and details provided in the Appendix.

Date Jan 2012	Location: Silver Dragon, Oakland	Attendance: 45
Purpose: Annual Awards Recognition Ceremony		
Date Feb 2012	Location: Yoshi's Restaurant, Oakland	Attendance: 48
Purpose: Joint Meeting with East Bay Traffic Engineers on Energy Efficient Street Lighting		
Date March 2012	Location: Yoshi's Restaurant, Oakland	Attendance: 66
Purpose: Joint Meeting with ITS-CA on ITS for Bike and Peds		
Date April 2012	Location: Kittelson Associate Offices	Attendance: 26
Purpose: Annual Student Paper Competition		
Date May 2012	Location: Yoshi's Restaurant, Oakland	Attendance: 51
Purpose: Parking Management Systems Luncheon		
Date June 2012	Location: Yoshi's Restaurant, San Francisco	Attendance: 70
Purpose: Annual Business Meeting		
Date Sep 2012	Location: Yoshi's Restaurant, Oakland	Attendance: 44
Purpose: MAP-21 Luncheon		
Date Oct 2012	Location: Yoshi's Restaurant, Oakland	Attendance: 49
Purpose: Bicycle Transportation Planning Luncheon		
Date Nov 2012	Location: Waterfront Restaurant, San Francisco	Attendance: 38
Purpose: Joint Meeting with ITS-CA on Adaptive Traffic Control		

Social Activities held during this reporting period:

January and April 2012 Happy Hours

SF Bay ITE hosted a Happy Hour + White Elephant Gift Exchange on Wednesday, January 11 at the ThirstyBear Brewing Co. in San Francisco, CA. The theme of this happy hour was for attendees to bring in an unwanted gift from the holidays for the white elephant gift exchange. SF Bay ITE also hosted a Happy Hour + Bocce Ball event on Thursday, April 26 at Make Westing in Oakland, CA. Both of these happy hours had over ten people in attendance. Since the SF Bay ITE happy hours were relatively small,

this year SF Bay ITE is focusing on collaborating on a larger joint happy hour with the Young Professionals in Transportation (YPT), Women's Transportation Seminar (WTS), and American Planning Association (APA) in May 2013.

May Baseball Outing

Members of ITE and their friends and family enjoyed a night at AT&T Park on Friday, May 18. Twenty-five attendees watched the Giants versus the A's. Due to the success of 2012's baseball outing, this event will be repeated again with the hopes of establishing this as an annual spring social event. This year, SF Bay ITE will be watching the Giants versus the Dodgers on May 3.

Annual Golf Tournament

The 2012 ITE Golf Tournament was a joint event with the Northern California Chapter of the American Public Works Association (APWA). The event was held on Friday, July 13, 2012 at Las Positas Golf Course in Livermore, CA. The 2012 tournament raised over \$1,200 for the ITE Scholarship fund.

Annual Picnic/Joint Meeting

SF Bay ITE held a picnic and joint meeting with APWA, ASCE, and SBTOA in Central Park, Santa Clara on September 19th, 2012.

Student Chapter Activities held during this reporting period:

SF Bay ITE has two active student sections: (1) the UC Berkeley student chapter (Cal ITE) and (2) the San Jose State University student chapter (SJSU). This section details the events held by both student chapters in 2012.

UC Berkeley Student Chapter (Cal ITE)

ITE Spring Mini-Retreat, January 21, 2012

Cal ITE started off the spring semester with a mini-retreat attended by the new officer group. First-time officers were introduced to their positions through a series of workshops and activities. Each officer was in charge of leading at least one team-building event. Two new members were installed: Jordan Toy as Co-Publicity officer and Nathan Chan as the Secretary. Each officer left the retreat with a better understanding of each other and Cal ITE and a better idea of the goals for the upcoming semester. The Cal ITE now officers consist of Thomas Wong as President, Apaar Bansal as Vice President, Melissa Jüllig and Jordan Toy as Co-Publicity Officers, and Nathan Chan as Secretary.

General meeting/Joint with ASCE, February 9, 2012

Our first general meeting of the spring semester was a joint general meeting with the Cal American Society of Civil Engineers Chapter (ASCE) as the guest speaker was Tiffany Barkley from Berkeley Transportation Systems (BTS). She gave a very interesting presentation regarding transportation and technology as she opened up with three key aspects of transportation that BTS works with: congestion, emissions, and safety. She continued to unveil some of the new transportation technologies that are being implemented today and how these technologies will be able to improve congestion, emissions, and safety. This meeting was well attended as attendees showed interest in upcoming technical tours and events.

Fehr & Peers Office Visit, February 16, 2012

Six people attended the San Francisco office in the late afternoon. The visit was a good overview of current projects and office. The students who went on the office visit were able to ask questions and the staff at Fehr & Peers was very friendly. We recognize that more people had wanted to attend but could not due to scheduling conflicts, which is one area we would like to better accommodate for future trips.

General Meeting, March 15, 2012

Our third general meeting saw a large turnout in students from a variety of majors. Our guest speaker was Jim Daisa from ARUP and he gave a presentation on complete streets and how they were being implemented in the Bay Area. He started off with a general overview of complete streets and then turned to a specific project, namely El Camino Real. He showed other examples of complete streets around the United States and discussed similarities and differences. He informed us that the popularity of complete streets has caused Caltrans to include complete streets in their guidelines and handbook.

Data Collection Project, January-April

Throughout the Spring Semester Cal ITE has been working on a data collection project in Berkeley. The preparation for this project has been taking place since the fall semester. Our goal is to collect data regarding the modes of travel taken by people of the New California Apartments above Trader Joe's on University Ave and Martin Luther King Jr. Way. This data will be used for traffic engineers when estimating traffic impacts on new, mixed-use developments. We will be collecting data from 7am to 6pm on three days in April. Volunteers who complete at least three hours of data collection will be sponsored to attend the Western ITE Annual Meeting in June.

General Meeting, August 30th

The UC Berkeley ITE Student chapter hosted its first general meeting of the fall semester. This was an introductory meeting. After introductions, the ITE officers presented an overview of transportation engineering, some of the work done in the field, and what ITE is about. Afterwards, they led a well organized game of Jeopardy for members to meet one another. Following Jeopardy, the members were able to ask questions and get to know the ITE officers.

General Meeting, September 13th

For the second general meeting of the semester, ITE invited Jaimie Levin, Director of Environmental Technology at AC Transit, to give a presentation about the hydrogen fuel cell buses in Berkeley. He explained how the buses worked, how the hydrogen system worked and discussed the need to move to alternative fuels as soon as possible.

SFMTA Office Visit, September 28th

We were able to visit the SFMTA office in downtown San Francisco. They provided us with a presentation of current projects that they were working on. About ten students attended this office visit.

General Meeting, October 11th

The third general meeting saw a healthy attendance of approximately 15 people. The guest speaker who was invited was from Kimley-Horn and he gave a presentation on Intelligent Transportation Systems and how they would be used to notify drivers about accidents a few miles ahead and how to detour to avoid these obstacles.

General Meeting, November 8th

This was a jointly hosted general meeting with the Student Chapter of the American Society of Civil Engineers. Two engineers from HNTB and an architect from Murakami Nelson Architects were invited to give a presentation about the Doyle Drive/Presidio Parkway Project. They discussed all aspects of the project from the landscape architecture, to the structural aspect of the freeway to the traffic operations of the construction.

ASCE and ITE Joint Gingerbread Social, November 29th

The UC Berkeley chapters of the American Society of Civil Engineers and Institute of Transportation Engineers were able to spend some quality time together during this social. We had a great time eating snacks, playing games, and getting to know each other better.

San Jose State University Student Chapter (SJSU)

Lunch and Learn on Bike Planning and Opportunities, February 9

John Brazil, the Bicyclist and Pedestrian Program Coordinator of the City of San Jose, presented to the students about the City's plans for expanding its bicycle network. He spoke of the challenges the City will face when they implement the dedicated bike lane program throughout the San Jose Downtown area, and the technology they will use or already have in place to increase ridership. John Brazil also compared the public transportation of the United States, more specifically the Silicon Valley, to the systems in place around the world where they experience a large percentage of the population using bicycles, such as The Netherlands. A total of 20 SJSU students attended this presentation and lunch was provided to all attendees.

Lunch and Learn on Pavement Engineering, March 22

The second Lunch & Learn event featured Ricardo Morales, a civil engineer with the City of San Jose, who spoke about the Department of Transportation and the various programs it has. He went into detail about the condition of the 2300 miles of pavement in the City and what problems that the pavement engineering section faces. He also explained various types of pavement rehabilitation applications and the materials, cost, and time involved in each of the methods. Ricardo answered questions from the students about the specifics of certain applications and also explained how students can look for potential internships with the City. A total of 17 SJSU students attended this presentation and lunch was provided to all attendees.

Lunch and Learn on "What does a transportation engineer do?", April 24

Maaza Mekuria of Axum Design & Engineering presented in the third Lunch & Learn to the civil engineering students of SJSU. His presentation focused on the responsibilities and tasks of a transportation engineer in the industry. He shared his experiences from his work history and gave tips on what prospective students can expect once they graduate. Maaza also briefly mentioned the projects of the company he is currently working for. A total of 13 SJSU students attended this presentation and lunch was provided to all attendees.

College of Engineering BBQ, August 24

At the start of the fall semester in SJSU, the College of Engineering held a BBQ event that was meant to showcase any engineering club/organization. The SJSU ITE student chapter had a table at which students interested in civil engineering and more specifically transportation engineering came up and interacted with the officers of this organization. All four officers were present to answer to any questions that other students had about the organization. The officers presented flyers to everyone promoting the

activities, events, and benefits of ITE. Approximately 40-50 students came to the table to find out more information and ITE had 31 people sign up on the mailing list.

ITE Member Meeting, September 12

SJSU ITE held a general member meeting at the beginning of the fall semester to start off the year. The main purpose of this meeting was to formally introduce the students to the new officers of the club and welcome the new members from the College of Engineering BBQ. The officers prepared a PowerPoint presentation regarding general information about ITE, how other members can join, events and activities that are planned, information about the Western Conference, and the new t-shirt design. This meeting was held during lunch with food provided to everyone and approximately 20 students were in attendance.

SJSU Student Leadership Conference, October 1

Two officers of SJSU ITE attended the Student Leadership Conference at the SJSU Event Center. This was an all-day event with multiple presentations and informational sessions that helped leaders build leadership skills and work together with officers from various organizations. ITE's officers also learned ways to promote and expand the interests of the club, while building relations with other organizations and campus associations that are beneficial to the life of the chapter.

Other Section Activities held during this reporting period:

2012 ITE Western District Meeting

The Western District Annual Meeting took place in Santa Barbara, California at the end of June and was attended by our outgoing President, Kamala Parks. In addition, the section awarded stipends of \$150 to two student members to attend the meeting. Several other section members were in attendance and giving presentations at the meeting. The President attended the Leadership Breakfast, which provided the opportunity to meet with officers from other sections and student chapters. The focus of this breakfast was on making the District's efforts more relevant to the sections and chapters it serves. Many officers shared their ideas about providing the highest benefit to their members. One topic of particular note was reaching out to members in disparate locations. Current practices include webconferencing and hosting meetings in various locations to reach their entire membership. Another topic was ensuring public agency attendance at section meetings by having them attend at little to no cost, given that public agency budgets are being cut and the private sector values face-to-face time with these potential clients. We shared our section's practice of meeting sponsorship to offset the cost of attendance and subsidizing student, unemployed, and retired members for coming to section meetings.

Sponsorship Program

The section continued its sponsorship program in 2012. The objective of this program is to identify potential sponsors who would be interested in sponsoring during the SF Bay Area ITE Section monthly meetings. The sponsorship money raised through this program is used to pay a part of the out-of-pocket costs collected from the monthly meeting attendees. This reduces the meeting's cost-of-attendance, and in-turn encourages more attendance from the members, non-members, and students.

The SF Bay Area ITE Section allows a maximum of two sponsors per meeting, one each of the Gold and Silver Sponsors. Sponsors can bring pamphlets and distribute them during the meeting, their logo and web address is included in the email meeting announcement, and one of their representatives receives a free lunch. Additionally, Gold Sponsors can present for five minute at the beginning of the meeting. The cost for Gold sponsorship is \$300 and the cost for Silver sponsorship is \$200.

As part of this program, the SF Bay Area ITE Section has collected sponsorship fees from the following sponsors during the year 2012-2013:

- Gold Sponsors – Iteris; Sensys Networks; Regional Parking, Inc.; National Data and Surveying Services; and McCain, Inc.
- Silver Sponsors – Chevron, TY Lin International, Iteris, Western Pacific Signal, and Siemens

STEP Mentoring Program

Paul Stanis was responsible for the STEP Mentoring Program. The most recent round of STEP Mentoring Program matching yielded 14 professional volunteers. Match-ups with mentors and mentees are on-going and are meant to share knowledge, guidance, and ideas. Unlike past years, the main challenge for the program is encouraging student participation. The current strategy for the STEP Mentoring Program is to spend the spring and summer encouraging student involvement for another round of matching as the 2013-2014 academic year begins in the fall.

Affiliate Activities held during this reporting period:

East Bay Traffic Engineers (EBTE).

Date Feb 2012 Location: Yoshi’s Restaurant, Oakland
 Purpose: Joint Meeting with SF Bay ITE on Energy Efficient Street Lighting
 Attendance: 48

Date May 2012 Location: Buttercup Grill & Bar, Walnut Creek
 Purpose: Complete Streets
 Attendance: 40

South Bay Transportation Officials Association (SBTOA)

Date Jan 2012 Location: Bella Mia Restaurant, San Jose
 Purpose: Caltrans in Silicon Valley
 Attendance: 68

Date Feb 2012 Location: Bella Mia Restaurant, San Jose
 Purpose: San Jose Trail Development
 Attendance: 43

Date March 2012 Location: Bella Mia Restaurant, San Jose
 Purpose: VTA 2012 Priorities
 Attendance: 42

Date April 2012 Location: Bella Mia Restaurant, San Jose
 Purpose: Future of Transportation
 Attendance: 53

Date May 2012 Location: Bella Mia Restaurant, San Jose
 Purpose: CA High Speed Rail
 Attendance: 39

Date June 2012 Location: Bella Mia Restaurant, San Jose
 Purpose: Ramp Metering Implementation
 Attendance: 43

Date Oct 2012 Location: Bella Mia Restaurant, San Jose
 Purpose: Elected Officials
 Attendance: 26

Date Nov 2012 Location: Bella Mia Restaurant, San Jose

Purpose: MAP-21

Attendance: 32

Date Dec 2012 Location: Bella Mia Restaurant, San Jose

Purpose: San Jose Mercury Traffic Column

Attendance: 21

Awards Presented during this reporting period:

This section presents a list of awards presented in by the section in 2012. Further details on the section's award program are presented in the Appendix.

Award Name: 2012 Transportation Project of the Year

Recipient's Name: SR-237 Express Lanes (Murali Ramanujam- VTA and Nick Saleh- Caltrans)

Purpose of Award: To recognize innovation and/or creative thinking in the field of transportation

Form of the Award: Plaques and presentation at January lunch meeting

Award Name: Grand Prize, Student Paper Competition

Recipient's Name: Jordan Toy, UC Berkeley

Purpose of Award: To recognize the top-rated submission in the section's annual Student Paper Competition.

Form of the Award: Scholarship for \$1,500 and presentation at the April lunch meeting

Award Name: Undergraduate Paper Award, Student Paper Competition

Recipient's Name: Shivam Vohra, San Jose State University

Purpose of Award: To recognize the top-rated paper submitted by an undergraduate in the section's Annual Student Paper Competition.

Form of the Award: Scholarship for \$750 and presentation at the April lunch meeting

Award Name: Graduate Paper Award, Student Paper Competition

Recipient's Name: Nicholas Yee, UC Berkeley

Purpose of Award: To recognize the top-rated paper submitted by a graduate student in the section's Annual Student Paper Competition.

Form of the Award: Scholarship for \$750 and presentation at the April lunch meeting

Appendices

- Modeling Workshop Program
- Lunch Meeting Flyers
- UC Berkeley Student Chapter Report
- San Jose State University Student Chapter Report