

INSTITUTE OF TRANSPORTATION ENGINEERS

GEORGIA INSTITUTE OF TECHNOLOGY
STUDENT CHAPTER



ITE @ GT
ANNUAL REPORT
2011-2012



WELCOME TO ITE @ GT!



It has been another wonderful year for the Georgia Tech chapter of the Institute of Transportation Engineers, and our 2011-2012 Annual Report highlights all we have done on campus and around Atlanta.

One of our newest initiatives this year was a redesigned website that

centered around a frequently updated blog. Chapter members contributed content by sharing their insights on transportation issues and discussing their interests and our activities in the field. It's also a resource for our department's prospective students to learn about what makes transportation at Tech so exciting.

The core of our chapter's activities are our monthly meetings on campus where we gather to hear guest speakers present on a wide range of transportation topics. Student-led meetings have become part of our annual schedule as well due to our Lunch-

time Student Speaker Series. In addition, we often partner up with other student organizations such as the Women's Transportation Seminar, Student Planning Association, and Students for Progressive Transit to host events.

From volunteering at the Atlanta Food Bank, to participating in the Atlanta's Transportation Investment Act public meetings, to visiting local industries determined to improve transportation for society, we have shared and learned from those in our community. We also have explored the fun activities Atlanta has to offer, such as corn mazes in late autumn and ice skating during winter. These events keep us tied to our surroundings and give us opportunities to interact outside our academic environments.

I have been proud to lead our chapter over the last year and am thankful to our great officers and chapter members. The excitement that all of our members have for the field of transportation and the camaraderie they share makes every meeting, event, and outing a time to look forward to.

We would like to extend a thanks to our chapter advisor Dr. Michael Meyer and our Georgia Section student chapter liaison Paul DeNard, for their advisement and willingness to help in so many ways. Finally, the officers who have produced this report would like to thank all the parent ITE organizations for the support they have given us, and for providing the opportunity to share our experiences.

Sincerely

Donald Katz
President

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2011-2012 EXECUTIVE BOARD

The 2011-2012 Executive Board took over a chapter already seeing lots of success in its activities, and worked to continue our chapter's great programming. The number of officer positions was reduced this year to reduce duplicity in responsibilities and increase the role each played in planning, and we found the new roles to be very effective. Three of the board members served for their second year, and shared their experience with the new members of the board. Board meetings were held at regular intervals to discuss our ideas on the direction to take our chapter and plan out our meetings and activities.



Donald Katz
PRESIDENT

Donald Katz is a third-year Ph.D. candidate researching airline schedule depeaking at hub airports with Dr. Laurie Garrow. He received his bachelor's degree from NC State and a master's degree from Georgia Tech.



Margaret Carragher
COMMUNITY SERVICE CHAIR

Margaret is a first-year dual degree student in Civil Engineering and City Planning at Georgia Tech. Her focus in both is improving transit and transit ridership in urban areas. Her research is focused on determining the impact that schematic maps have on traveler mode choices in Atlanta, GA.



Christopher Toth
VP FINANCE

Chris earned his B.S. in Civil Engineering from Case Western Reserve University and is a third-year Ph.D. student at the Georgia Institute of Technology. His research interests include traffic flow theory and driver behavior models.



Gregory Macfarlane
WEBMASTER

Gregory Macfarlane is a Ph.D. student researching household travel behavior and transportation forecasting; he is also pursuing an M.S. in Economics. Greg previously worked at the Utah Transit Authority and is an alumnus of Brigham Young University.



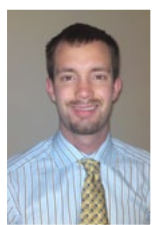
Felipe Castrillon
VP OUTREACH

Felipe is a second-year Ph.D. student with a focus on traffic flow theory. He studied at the College of the Holy Cross where he received a B.A. in Economics, and at Columbia University where he received a B.S. in Civil Engineering.



James Wong
SECRETARY

James returned to grad school after working as a transportation consultant for three years. He now passes the time pursuing dual masters' degrees in Engineering and City & Regional Planning while serving as the ITE secretary.



Phillip Cherry
INTRAMURAL CHAIR

Phillip Cherry is a second year Master's student from Garland, Texas, graduating in May 2012. He hopes to work in transit planning or work to reduce fuel consumption in the transportation sector.

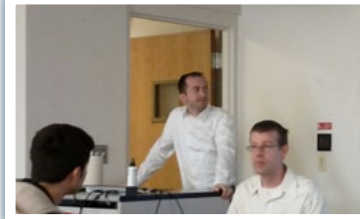


John Patrick O'Har
PRESIDENT EMERITUS

J.P. O'Har is a third-year Ph.D. candidate from Harrington Park, NJ. J.P.'s doctoral research will examine how existing transportation asset management systems can be used as a strategic platform to incorporate climate change considerations into the investment decision-making process.

CHAPTER MEETINGS & TECHNICAL PRESENTATIONS

Our monthly meetings provide an opportunity for the membership to get together over lunch for updates on chapter activities and upcoming events. These are also the setting for most of our technical presentations by professionals and peers on topics ranging from career opportunities to transportation facilities in foreign countries; the diversity of talks helps to ensure lively meetings. The following is a summary of the year's chapter meetings.



Photos from Left:

ARCADIS presents at November meeting on operations program
Cambridge Systematics staff discuss career opportunities
GAITE Liaison Taylor Stukes introduces the GAITE Scholarship
Students at monthly meetings for ITE @ GT

April 21, 2011

Marsha Anderson Bomar of Stantec spoke to the chapter at our monthly meeting about her current work, and how she founded Street Smarts and transitioned into Stantec. Chapter elections were also held during this meeting.

August 25, 2011

The kickoff meeting for ITE @ GT's 2011-12 year was well received with dozens new members in attendance. We filled several open officer positions and President Donny Katz outlined the structure of chapter meetings and events for the upcoming semester and academic year.

September 15, 2011

Taylor Stukes of SERCO is one of the professionals affiliated with ITE @ GT. He came in and encouraged members to apply for the GAITE scholarship. Stukes also spoke about the transition from school into the professional world and tips on job hunting and networking with current professionals.

October 13, 2011

Paul DeNard of GDOT spoke to us about his role as liaison between ITE @ GT and GAITE and described what it is like to work in the public sector. He also focused on the GDOT roundabout program and GDOT's operation improvement program.

November 10, 2011

We were happy to host Kittelson & Associates, Inc. in November when COO Karl Pasetti and recent graduate Matt Kittelson talked about the many careers available in the transportation field for graduates.

November 17, 2011

Jody Peace and Prasoon Sinha of ARCADIS spoke about the Regional Traffic Operations Program at our November meeting. They detailed how the program's operations and maintenance improve Atlanta's arterials, while collaborating with GDOT to improve mobility and safety.

December 8, 2011

Even when we're not knocking elbows with professionals, our chapter is committed to convening with other activities in mind. A game of trivia took over our December meeting. Can you name all four major railroads in the United States?

January 10, 2012

Our advisor, Dr. Meyer, used this opportunity to enlighten many of our new members about the tricks of the trade for the Transportation Research Board's Annual Meeting. Navigating the meeting can be a feat so his advice was very helpful.

February 9, 2012

Shawn Pope and David Kall of Cambridge Systematics visited us in February to discuss careers as transportation engineering consultants. Some of our recent graduates delivered the presentation, making it particularly relevant and relatable.

STUDENT PRESENTATIONS

This year, we continued our brown-bag Student Speaker Series. In these sessions, we invite student members to give presentations and talks or facilitate discussion about relevant topics.

Research Tour of Ghana

In Summer 2011, several students in ITE traveled to investigate Ghana's transportation challenges and opportunities for sustainable development and to establish relationships with researchers, consultants, and leaders in transportation. They brought their experiences back to share with ITE @ GT.

Transportation Planning in India

Two of our members, Maria Roell and Stefanie Brodie, spent two weeks participating in a research workshop at the Center for Environmental Planning and Technology in India to gain an understanding of planning in India, the pertinent issues, the culture, and the context of their studio project. This project will result in an integrated and comprehensive plan for future development and transportation along a 4 mile corridor in a rapidly developing area in the city of Ahmedabad, Gujarat, India.

IGNITE Transpo Talks

ITE @ GT held a series of captivating, energetic, five-minute talks (20 slides on auto-advance every 15 seconds) about transportation. Outside the world of research, students talked about a wide range of topics like how to live car free while owning a car, the story behind Atlanta's freeways, and where the streetcars went in America.



Photos from Left

Maria and Stephanie present about their trip to India.

American Maglev test track

ITE @ GT listens in the DeKalb TIA Public Meeting, Margaret participates

FIELD TRIPS

Transportation cannot be learned in the classroom only. Our chapter values the opportunities to get into the field to learn about the facilities that shape Atlanta's transportation system. Through these activities, members learn about cutting edge applications to balance our academic and research efforts.

Transportation Management Center

Atlanta's TMC is managed by GDOT where staff manage traffic incidents for the region. On our tour we saw their HERO units, the video detection system and the control room where freeways are constantly monitored to ensure efficient operations.

DeKalb County Transportation Investment Act Meeting

The hottest issue facing the greater Atlanta metropolitan region these days is the Transportation Investment Act. Attending this meeting enlightened students about a transit-supportive public and their attitude towards the priorities of future transportation in the region.

American Maglev

In February 2012, ITE collaborated with Students for Progressive Transit to visit American Maglev Technologies. AMT leads the United States with the only operational test bed for maglev technology. Our host, Tony Morris, talked to both groups about the incredible potential for maglev in America's megaregions.



SOCIAL EVENTS

We work hard as a club to ensure that the top standards of excellence in our academic and professional pursuits are met throughout the year. Still, we find plenty of time to relax with one another at numerous social events all year long.

ITE Day at the Park

To help kick off the school year, members spent an afternoon in Atlanta's famous Piedmont Park. There, we played games of soccer, frisbee and football while sharing a meal. These are great opportunities for new members to get to know folks that have been with ITE @ GT for a few years.

Ice Skating at The Rink

Yes, we go to school in the South, but we still make sure winter doesn't pass us by. This past winter, ITE @ GT took its members ice skating to relax before finals. It was a first for some of our members; after a few bumps and bruises, [almost] everyone got the hang of it!

Corn Maze at Jaemor Farms

One of our latest Fall traditions has been a trip to the corn maze - a truly agricultural experience. Complete with apple shooting, hay rides and a general store with cider and sweet treats, our trip to Jaemor farms was a great outing.

Left Photos: ITE @ GT helps sort food at the Atlanta Food Bank
Middle: ITE @ GT poses after making their way through the Corn Maze
Right: ITE @ GT spends time enjoying the ice rink in Piedmont Park



Community Service

We recognize the incredible opportunities that Georgia Tech provides us and look for ways to give back to the Institute and the community. In February 2012, 17 members of ITE @ GT volunteered at the Atlanta Food Bank. These three hours were spent sorting over 8,000 lbs of food. Last year, the Atlanta Food Bank distributed over 25 million pounds of food to the local community and ITE @ GT is happy to contribute with our own donation of food and time.

TEAM ITE @ GT

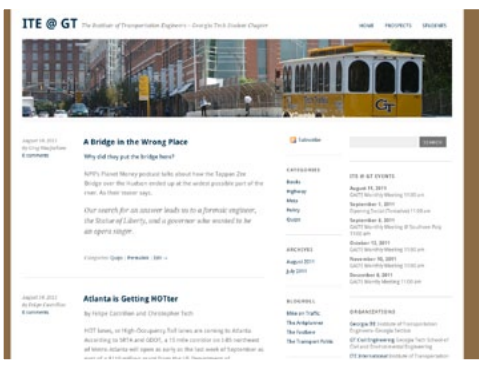
ITE @ GT fielded four intramural teams during the past year in softball, football, cornhole, and wallyball. Nearly 25 men and women of ITE @ GT participated on these teams. Many individuals had never before played the given sport giving others an opportunity to give pointers and share their passions about the sport. These games and tournaments provided an extracurricular, active means of socializing for ITE members and allowed many to participate in a new activity. The softball team was particularly successful, as the team was one game short of making it to the league's championship game.

Top Row from Left: ITE @ GT and SPA played on a joint team in the Spring; The view from the ITE @ GT seats in Bobby Dodd Stadium Margaret, Tom, Shelly and Lance during a night game.
Bottom Row: ITE @ GT Website



Go JACKETS!

ITE @ GT continued to support Tech football this season by purchasing a block of group seats for all of Tech's home football games. With the Atlanta Midtown skyline as its backdrop, Bobby Dodd Stadium is a great venue for college football and for ITE members to socialize.. Nearly 15 members had seats in the group and helped cheer the Yellow Jackets to a winning season. For some of the graduate students, major college football was a new experience; however, everyone involved enjoyed getting to the games early for grilling out with many of our like-minded transportation friends in City and Regional Planning. It was a great season where we got to share in the excitement of watching Georgia Tech go 5-2 at home. This year was also unique, as there were two Thursday night games, which allowed members to go straight from class and work to the game.



THE ITE @ GT WEBSITE

In August 2011, ITE @ GT launched our new website at ite.ce.gatech.edu. We wanted to create a forum where our members could share ideas and accomplishments, and also provide a convenient hub where prospective Georgia Tech students could learn about life in Atlanta. We introduced a blog format to the site, and this has added a new dynamic to our chapter and our outreach activities. Since the blog's launch, we have made 67 posts and received 133 comments from students and others in the community. Our website has had reach beyond our chapter as well, with numerous ITE student chapters around the country referencing the TRB Social Scene we published in January.

COLLABORATING WITH OUR PEERS

ITE @ GT recognizes the importance of working in a cross-disciplinary way to stay competitive in the professional world. To that end, we frequently seek out opportunities to collaborate with our peer student groups.

Student Planning Association (SPA)

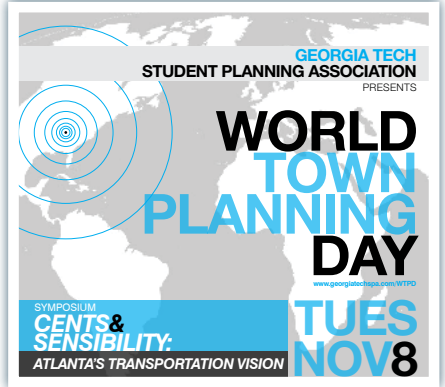
The Georgia Tech Student Planning Association (SPA) is a volunteer organization comprised of graduate students in the School of City and Regional Planning. Our clubs have played together on joint intramural teams this year. In addition, ITE @ GT supports one of their largest events of the year, World Town Planning Day, featuring a panel about the upcoming Transportation Investment Act. This year's theme of Cents & Sensibility: Atlanta's Transportation Vision was a terrific forum and networking event including Mayor Bucky Johnson, Chairman of the Atlanta regional Roundtable of Transportation, Colleen Kiernan, Director of the Georgia Chapter of The Sierra Club, and Tom Weyandt, a Senior Policy Advisor on Transportation for the Mayor of Atlanta.

Students for Progressive Transit (SfPT)

SfPT is the Georgia Tech chapter of Citizens for Progressive Transit. Their goal is to promote awareness of public transit and non-motorized transportation issues as they relate to the Georgia Tech campus or affect the Georgia Tech student population. ITE @ GT organized a field trip with SfPT to visit America's only maglev deployment in operation, a demonstration track for American Maglev Technology.

Women's Transportation Seminar (WTS)

The Georgia Tech chapter of the Women's Transportation Seminar has monthly meetings and an activity schedule just as busy as ITE @ GT's. Our membership rosters are quite similar, and we enjoy co-hosting events together. Throughout the year ITE @ GT helped in planning a couple of meetings with WTS. The biggest jointly-hosted event of the past year was an evening of bowling during the transportation program's recruitment weekend for new graduate students. ITE @ GT and WTS reserved several lanes at the Georgia Tech bowling alley, bought several platters of food, and got to know the new students considering joining our graduate program.



COLLABORATING WITH ITE

ITE @ GT recognizes the importance of our relationship with Georgia Section ITE, ITE Southern District and ITE International. We are committed to giving all student members enough chances to network with our professional counterparts. Our regular interaction with ITE at all levels helps us integrate fully as a chapter within the greater region.

ITE Traffic Bowl

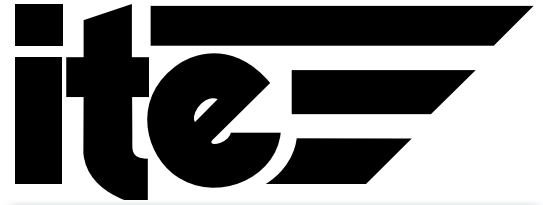
The Georgia Tech chapter participated in the first ever Georgia Section traffic bowl competition against our fellow student chapter from Southern Polytechnic State University on March 11, 2011. Team members Donald Katz, Gregory Macfarlane, and Lakshmi Peesapati prepared during the months prior in order to qualify for the Southern District competition and follow up on 2010's international qualification. The competition was fun, and in the end a strong Southern Poly team narrowly defeated our chapter and went on to perform well in Southern Districts.

Southern District ITE

Our participation at the Southern District level, was highlighted by several students attending the Southern District Annual Meeting in Lafayette, Louisiana from April 10-13, where we received the Chapter of the Year Runner-Up Award. More recently, we participated in the SDITE webinar "What's in IT for me?" where we learned about how being part of ITE has numerous benefits for our career, and had the chance to ask questions about ongoing activities.

Georgia Section ITE

We continue to maintain strong relationships with Georgia Section ITE. Our members attend GAITE monthly meetings where we interact with local practitioners. Two of our members received scholarships this past year from the Georgia Section and were presented their awards at the December meeting. Members from our chapter have also joined section members at outings such as the Georgia Tech vs. UGA baseball game at Turner Field, and by attending workshops such as the 2012 Winter Workshop in Helen, Georgia.



From Top:

ITE @ GT faces Southern Poly at Traffic Bowl
Felipe, Katie and Chris attend SDITE Meeting in April
ITE @ GT spends time with GAITE at Turner Field

COLLABORATING WITH ITE



Annual ITE Cookout

One of our best attended events each year is the cookout we organize with the Georgia Section of ITE. ITE @ GT manned the grill and served up hot dogs, hamburgers, and black bean burgers for all. We were thrilled to host Vance Smith, the commissioner of the Georgia Department of Transportation. It was an honor and a thrill for students to meet him and other professionals. Commissioner Smith discussed the state's infrastructure needs and the path ahead of us to meet the industry's goals.

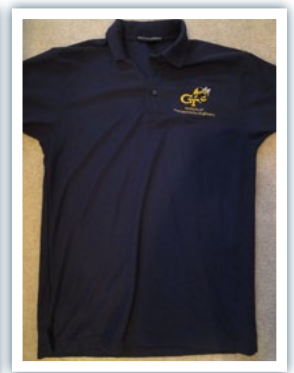


ITE Scholarship Winners

We are proud of our two student members who won the Georgia Section ITE Scholarship this year. David Duarte and Amanda Wall received the honorable awards and are grateful to our parent chapter for their generosity and support of Georgia's transportation students. Says Duarte: "I appreciate ITE so much for this financial help, it's made paying for school so much easier. I feel compelled to continue contributing to ITE and to support Georgia's transportation system!"

Polo Shirts

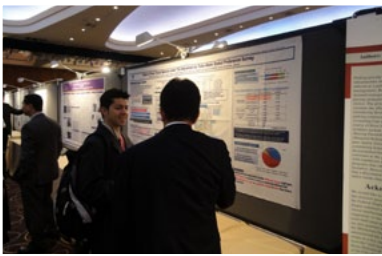
ITE @ GT organized a large order of polo shirts for the chapter this past year. These give members a sense of unity and pride in our chapter. Dozens of chapter members and many Georgia Tech alumni from the GAITE section now wear them at our events. It's always great to see them on campus. The shirts arrived just in time to be worn at the section-level traffic bowl competition!



CONFERENCES AND RESEARCH

Transportation Research Board

As students, we know the importance of actively participating in conferences and meetings that support the research in our field. Each year, ITE @ GT provides financial assistance to dozens of students from the department to attend the Transportation Research Board's Annual Meeting. This year we focused on additional preparation for first-timers to better acquaint them with the demands of a professional conference and the importance of planning their time accordingly. With such a large delegation attending TRB, our list of presented research continues to grow with over fifty separate papers, presentations and posters from the department. Georgia Tech also hosts a reception attended by almost all of ITE @ GT which provides ample networking opportunities for all. In addition, several members braved the cold and went on an educational bike tour of Washington, DC to learn about their innovative programs including new bicycle treatments and Capital Bikeshare.



Additional Conferences

In addition to our attendance at TRB, ITE @ GT members have attended over a dozen additional conferences. It is at these professional and academic settings where Tech students find networking opportunities abound.

- 3rd International Conference on Road Safety and Simulation
- 2011 APTA conference in New Orleans
- Georgia Planning Association Conference
- Using Census Data for Transportation Applications Conference
- Georgia Tech Research and Innovation Conference
- Institute for Operations Research and Management Science 2011 Annual Meeting
- American Society for Engineering Education Conference
- Eno Leadership Development Conference
- World Sustainable Building Conference
- International Seminar on Urban Form (ISUF) 2011
- 6th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design
- 19th International Symposium on Transportation and Traffic Flow Theory
- Sustainable Smart Cities Symposium at the University of Alabama
- ITS World Congress
- Georgia ITE Winter Workshop

STUDENT PUBLICATIONS

ITE @ GT member names are listed in bold.

- **Ai, C.** and Tsai, Y. "Critical Assessment of Automatic Traffic Sign Detection Using Three-Dimensional LiDAR Point Cloud Data." *TRB*, 2012.
- **Akofio-Sowah, M., Boadi, R., Amekudzi, A.,** and Meyer, M. "Managing Ancillary Transportation Assets: State of Practice." *TRB*, 2012.
- Amekudzi, A., **Brodie, S., Fischer, J.,** and Ross, C. "Impacts of Environmental Justice on Transportation: Performance-Based Model for Benchmarking Progress ." *TRB*, 2012.
- **Box, S., Suh, W.,** Guensler, R., Guin, A., Hunter, M., and Rodgers, M. "Assessment of Multiantenna Array Performance for Detecting Bluetooth-Enabled Devices in Traffic Stream." *TRB*, 2012.
- **Castrillon, F.,** Guin, A., Guensler, R., Laval, J. "Imputation of ITS VDS Data Using Various Modeling Approaches." *TRB*, 2012.
- **Chen, D.** "Studies of Traffic Oscillations-a Behavioral Perspective." *TRB*, 2012.
- **Chen, D.** and Laval, J. "Effects of Queue Spillback in User Optimum Dynamic Traffic Assignment Problem: Analytical and Graphical Solutions on Simple Networks." *TRB*, 2012.
- **Chen, D.** and Laval, J. "Traffic Hysteresis in Traffic Oscillations: Driver Behavioral Perspective." *TRB*, 2012.
- **Chen, D.** and Laval, J. "Traffic Oscillations: Behavioral Car-Following Model." *TRB*, 2012.
- **Fischer, J.** and Amekudzi, A. "Why and How to Use Customer Opinions: Quality-of-Life and Customer-Satisfaction-Oriented Framework for Performance-Based Decision Making." *TRB*, 2012.
- **Greenwood, A.** "Development of Alternative Methods for Delineating Diverges in Freeway Work Zones." *TRB*, 2012.
- **Henclewood, D.,** Hunter, M., and Rodgers, M. "Parameter Selection Procedure for Signalized Arterial Simulation Calibration." *TRB*, 2012.
- **Khoeini, S.,** Elango, V., Guensler, R., and Nelson, J. "Comparison between Census and ACS for License-Plate-Based Transportation Analysis." Using Census Data for Transportation Applications Conference, Oct. 2011.
- **Khoeini, S.,** Elango, V., Guensler, R., and Rodgers, M. "Sensitivity of Commuters' Demographic Characteristics to License Plate Data Collection Specifications: Case Study for HOV-2 HOT Project in I-85 Corridor, Atlanta, Georgia." *TRB*, 2012.
- Kressner, J. and **Macfarlane, G.** "Evaluating Household Credit Reports as a Replacement for Episodic Travel Surveys." *TRB*, 2012.
- Laval, J., He, Z., and **Castrillon, F.** "A Stochastic Extension of Newell's 'Three-Detector Method'." *TRB*, 2012.
- **Liu, C.** "Temporal Stability of Freeway Macroscopic Traffic Stream Models." *TRB*, 2012.
- **Marks, E.,** Cheng, T., and Teizer, J. "Evaluation of Construction Equipment Design on Operator Visibility." *TRB*, 2012.
- **O'Har, J.,** Amekudzi, A., and Meyer, M. "Risk Concepts and Applications in Transportation Asset Management: Overview of Current Practice." *TRB*, 2012.
- **Peesapati, L.** and Hunter, M. "A Profiling Based Approach to Safety Surrogate Data Collection." *TRB*, 2012.
- Rome, C., Elango, V., **Khoeini, S.,** and Guensler, R. "Emissions and Idling of Cobb County School District Buses." *TRB*, 2012.
- **Toth, C.,** Guensler, R., Guin, A., Hunter, P., and Laval, J. "Changes in Legal and Illegal Weaving Activity After Restriping of I-85 High-Occupancy-Vehicle Lanes in Atlanta, Georgia." *TRB*, 2012.
- Tsai, Y., **Jiang, C.,** and Wang, Z. "Innovative Method for Cracking-Severity-Level Classification Using Three-Dimensional Continuous Transverse Laser Profiles." *TRB*, 2012.
- Tsai, Y., **Li, F.,** and Wang, Z. "Automated Detection of Isolated Ruts on I-95 Using 3D Continuous Transverse Profiles." *TRB*, 2012.
- Tsai, Y., Wu, Y., **Wang, C.,** Pitts, E., and Cressman, N. "Integrating Safety into Resurfacing Project Reprioritization for Minimizing Pavement-Deficiency-Induced Safety Risks." *TRB*, 2012.
- **Wall, T.** "Initial Findings for Risk-Based Evaluation Tool to Prioritize Transportation Infrastructure for Climate Change Adaptation Investment." *TRB*, 2012.
- **Weigel, B.** "Development of a Commercial Building Site Selection Framework for Minimizing Greenhouse Gas Emissions and Energy Consumption." International Seminar on Urban Form (ISUF), 2011.
- **Weigel, B.** "Evaluation of the Potential Commute Energy Consumption of Commercial Office Site Alternatives." *TRB*, 2012.
- Zheng, Z., Ahn, S., **Chen, D.,** and Laval, J. "Freeway traffic oscillations: microscopic analysis of formations and propagations using wavelet transform." The 19th International Symposium on Transportation and Traffic flow Theory (ISTTT), 2011: 717-731.

MEMBER ACHIEVEMENTS

ITE @ GT is proud of its members who have received dozens of scholarships and awards throughout the past year!

- Jim McGee Memorial Georgia section ASHE Scholarship (*Phillip Cherry*)
- Mirzayan Science and Technology Policy Fellow at the National Academy of Sciences (*J.P. O'Har*)
- Airport Cooperative Research Program Graduate Research Award (*Donald Katz*)
- Dr. Thomas D. Larson Fellowship - Eno Fellowship Distinction Award (*Donald Katz*)
- Georgia Department of Transportation Scholarship (*Donald Katz and Margaret Carragher*)
- Georgia ITS Essay Contest (*Aaron Greenwood*)
- American Public Transportation Foundation Scholarship (*Joel Anders and Greg Macfarlane*)
- Society of Women Engineers - Lydia I. Pickup Memorial Scholarship (*Margaret-Avis Akofia-Sowa*)
- Student Fellowship to 19th International Symposium on Transportation and Traffic Theory (*Danjue Chen*)
- Frederick K. Bell Fellowship (*Landon Reed*)
- Atkins (PBS&J) Civil Engineering Minority Scholarship (*Hoki Tse*)
- Goizueta Foundation Fellowship, Georgia Institute of Technology (*Felipe Castrillon*)
- Georgia Section ITE Scholarship (*David Duarte and Amanda Wall*)
- National Science Foundation Graduate Research Fellowship (*Susan Hotle*)
- Dwight D. Eisenhower Transportation Fellowship (*Greg Macfarlane, Aaron Greenwood, Tom Wall, Susan Hotle, J.P. O'Har, and Brent Weigel*)
- Georgia Section ITE Winter Workshop Paper Competition (*Donald Katz*)

FINANCIAL OVERVIEW

Summary of Income

The sources of chapter income for the 2011-2012 school year were membership dues and donations. The dues structure for the 2011-2012 school year was as follows:

- Annual dues (2 consecutive semesters): \$25 for graduate students and \$15 for undergraduate students.
- Semi-annual dues (1 semester): \$15 for graduate students and \$10 for undergraduate students.

This year, as in past years, the majority of donations were made during our annual spring cookout when we hosted Georgia Section of ITE's monthly meeting in April 2011. Some late polo shirt orders (from the previous year) also comprised a small amount of income. At the time this annual report was due.

Gross income (April 2011 - February 2012): \$4761.88

Anticipated additional gross income through March 2012: None

Summary of Expenditures

A large proportion of the chapter expenditures each year goes toward subsidizing travel expenses incurred by ITE at GT members attending the Transportation Research Board (TRB) Annual Meeting in Washington, D.C. A reimbursement of \$50 is given to each attending member who does not have full conference funding to help defray travel costs. This year 47 students are eligible to get reimbursed a total of \$2,350.

Other expenditures cover lunches at ITE at GT meetings, social events, and registration fees for ITE at GT intramural sports teams. Reimbursements are often received from guest speakers at our ITE at GT meetings. At the time this annual report was due, money had not yet been spent on the polo shirt fundraiser.

Total expenditures (May 2011 - February 2012): \$3954.59

Anticipated additional expenditures through April 2012: \$700



TRANSPORTATION AT TECH

Georgia Tech's transportation-related programs are nationally recognized because of their cross-disciplinary research and commitment to applied learning. The diversity and strength of these programs provide students with the unique opportunities for learning. The collaborative relationships between students and faculty help make Tech an optimal learning environment for transportation.

Civil and Environment Engineering

The transportation systems engineering program is located in Georgia Tech's School of Civil and Environmental Engineering. The school was established in 1896, and graduated its first student in 1902. With over 1200 students and 60 full-time faculty members in Civil Engineering, Georgia Tech is the largest producer of engineers in the country and consistently ranks among the top five universities for engineering. The transportation systems engineering graduate program at Georgia Tech provides a depth of knowledge in the design and performance of transportation systems and encourages students to add breadth to their education by understanding the environmental, institutional, and social context within which these systems operate.

"People are our priority, and the world is our laboratory."

-CEE School Vision

Georgia Transportation Institute - University Transportation Center

The University Transportation Center at the Georgia Transportation Institute (UTC/GTI) provides high-quality leadership on research, education and technology transfer to address issues related to transportation system productivity (including both passenger travel and freight of all modes), economic growth, and finance. As students at Georgia Tech, we are beneficiaries of the resources from the UTC/GTI. This program brings in speakers, organizes research projects and provides funding for many of our members.

Dual Degree Programs

The dual master's degree program in City and Regional Planning and Civil Engineering prepares transportation students for careers influencing public policy and the technical elements of transportation analysis. Transportation systems, including urban, suburban, exurban and rural highways, railways, public transit, pedestrian and bicycle facilities, rights-of-way, ports, terminals, parking and intermodal linkages involve design and policy coordination that benefits from both engineering and planning.





Institute of Transportation Engineers

ANNUAL REPORT OF STUDENT CHAPTER ACTIVITIES

From April 1, 2011 to March 31, 2012

STUDENT CHAPTER AT: Georgia Institute of Technology

1. STUDENT CHAPTER OFFICERS

President: Donald Katz

Vice President of Outreach: Felipe Castrillon

Vice President of Finance (Treasurer): Christopher Toth

Secretary: James Wong

Intramural Chair: Phillip Cherry

Community Service Chair: Margaret Carragher

Webmaster: Gregory Macfarlane

President Emeritus: John Patrick O'Har

2. STUDENT CHAPTER MEMBERSHIP

Number of Student Chapter members: 73

Number of Student members of Institute: 18

Number of Students eligible to be a s Student member of the Institute: 73

Number of faculty members who are current ITE members: 3

3. INFORMATION ON TRANSPORTATION ENGINEERING ENROLLMENT

Number of undergraduate students (Sophomore – Senior years) in your academic department: 879

Does your curriculum allow an undergraduate student to major or minor in Transportation? No

Number of graduate students in Transportation: Approximately 90; 60 in Civil Engineering, and 30 in City and Regional Planning

4. SUMMARY OF STUDENT CHAPTER ACTIVITIES

See submittal.

5. ROSTER OF STUDENT CHAPTER MEMBERS

See submittal.

Report submitted by:

Name: Donald Katz

Phone: 732-233-5430

Date: March 1, 2012

Contents approved by:

Dr. Michael Meyer (Faculty Advisor)

MEMBER ROSTER

Last Name	First Name	ITE International Member?	Major	Degree
Ai	Chengbo		CEE	Graduate ('13)
Akofio-Sowa	Margaret-Avis		CEE	Graduate ('14)
Anders	Joel		Dual MS - CEE/CP	Graduate ('12)
Araque	Santiago	X	CEE	Undergraduate ('12)
Ballard	Lance	X	CEE	Graduate ('12)
Barrella	Elise	X	CEE	Graduate ('12)
Barry	Christina	X	CEE	Graduate ('12)
Boadi	Richard		CEE	Graduate ('14)
Brodie	Stefanie		Dual MS - CEE/CP	Graduate ('14)
Butler	Melody		CEE	Graduate ('12)
Capasse	Patrick		CEE	Graduate ('13)
Carragher	Margaret Finch	X	Dual MS - CEE/CP	Graduate ('13)
Castrillon	Felipe		CEE	Graduate ('14)
Chen	Danjue		CEE	Graduate ('13)
Cherry	Phillip	X	CEE	Graduate ('12)
Chilukuri	Bhargava		CEE	Graduate ('13)
Cho	Samuel		CEE	Undergraduate ('12)
Colberg	Kathryn	X	Dual MS - CEE/CP	Graduate ('12)
Crane	Matthew	X	CEE	Graduate ('12)
Duarte	David		CEE	Graduate ('12)
Eisenman	Ana		CEE	Graduate ('12)
Fischer	Jamie M.		CEE	Graduate ('13)
Fraundorf	Ana		CEE	Graduate ('11)
Gillett	Jessica		CEE	Graduate ('11)
Gooze	Aaron	X	Dual MS - CEE/CP	Graduate ('13)
Greenwood	Aaron	X	CEE	Graduate ('14)
Griffin	Doug		CEE	Undergraduate ('12)
Guobatis	Michael		CEE	Graduate ('11)
Henclewood	Dwayne		CEE	Graduate ('12)
Hotle	Susan		CEE	Graduate ('14)
Ingles	Amy	X	Dual MS - CEE/CP	Graduate ('13)
Jiang	Chenglong		CEE	Graduate ('14)
Katz	Donald	X	CEE	Graduate ('12)
Khelifa	Alexandre		ISYE	Graduate ('11)

Last Name	First Name	ITE International Member?	Major	Degree
Khoeini	Sara		CEE	Graduate ('14)
Li	Feng		CEE	Graduate ('12)
Liu	Chenhao		CEE	Graduate ('14)
Macfarlane	Gregory	X	CEE	Graduate ('14)
Maddox	Chris	X	CEE	Graduate ('12)
Magness	Jimmy Ray		CEE	Undergraduate ('12)
Marks	Eric		CEE - Construction	Graduate ('13)
Mumbower	Stacey		CEE	Graduate ('13)
O'Har	J.P.	X	CEE	Graduate ('13)
Peesapati	Lakshmi		CEE	Graduate ('13)
Perez-Carro	Carlos		CRP	Graduate ('12)
Poznanski	Alex		CEE	Graduate ('12)
Pratyaksa	Prabha (Popa)	X	CEE	Graduate ('12)
Ravikumar	Shrivatsa		CEE	Graduate ('12)
Reed	Landon	X	Dual MS - CEE/CP	Graduate ('14)
Roell	Maria		Dual MS - CEE/CP	Graduate ('13)
Rosbury	Adam		CEE	Graduate ('12)
Schmitt	Laura		CEE	Undergraduate ('11)
Sheikh	Adnan		CEE	Graduate ('14)
Sim	Samuel		CEE	Graduate ('12)
Smith	Katie		CEE	Graduate ('11)
Smith	Denise		CEE	Graduate ('12)
Suh	Wonho		CEE	Graduate ('12)
Toth	Christopher		CEE	Graduate ('14)
Tse	Hoki		CEE	Undergraduate ('12)
Tzegaegbe	Jacob		CEE	Graduate ('13)
Wall	Tom		CEE	Graduate ('13)
Wall	Amanda		CEE	Undergraduate ('12)
Wang	Chieh (Ross)	X	CEE	Graduate ('14)
Weigel	Brent		CEE	Graduate ('12)
Wilson	Rich		Dual MS - CEE/CP	Graduate ('13)
Wong	James	X	Dual MS - CEE/CP	Graduate ('13)
Zinner	Stephanie		CEE	Graduate ('12)

Expected graduation year shown in parenthesis.