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Chapter Details

1. **Student Chapter Executive Board**
   - President: Ian McKinnon
   - Vice President: Cole Fitzpatrick
   - Secretary: Keith Wenners
   - Treasurer: Hugo Rivera
   - Professional Liaison: David Champoux
   - Student Outreach: Balazs Martai
   - Undergraduate Liaison: Ariel Brooks, Curt Harrington, Christina Dube
   - Webmaster: Matthew Skelly
   - *The Crosswalk* Editor: Ian McKinnon

2. **Student Chapter Membership**
   - Number of Student Chapter Members: 38
   - Number of Student Members of Institute: 22
   - Number of Students Eligible to be Student Members of the Institute: 38
   - Number of Faculty Members who are Current ITE Members: 3

3. **Information on Transportation Engineering Enrollment**
   - Number of Undergraduate Students in Civil and Environmental Engineering: 232
   - Does Curriculum Allow Undergraduate Students to Major or Minor in Transportation: **No**
   - Number of Graduate Students in Transportation Engineering: 23

4. **Summary of Student Chapter Activities**
   - See pages 1-4
   - Supplemental Report, pages 5-15

5. **Roster of Student Chapter Members**
   - See attached

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**Report Submitted By:**

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**Content Approved By:**

Professor Michael A. Knodler, Jr. Ph.D.  
Student Chapter Advisor
Opening Message

The past year has once again been both hectic and exciting for the ITE Student Chapter of UMass Amherst. This year our priorities have focused upon initiatives of enhancing technical development and reconnecting with alumni. Our technical development topics this year have included a vehicle and queue measurement project, a series of traffic volume studies and a highway layout and surveying venture. We have worked hard to engage alumni with success resulting in the form of receptions, social gatherings, a fantasy football league and football tailgates which allowed UMass ITE alumni to reunite with their alma mater.

The chapter was pleased to represent the Northeastern District at the 2012 Collegiate Traffic Bowl Championship in Atlanta, GA this past August. In addition, the chapter was pleased to represent UMass at nearly every ITE local, regional and national event this year.

The chapter has helped facilitate the planning for this year’s District meeting in Northampton, Massachusetts. We are very pleased to be the host chapter to this year’s Northeastern District ITE meeting in Northampton in late May. We look forward to continued success and building up of the chapter in the coming year! We hope you enjoy this year in review!

Respectfully,

UMass ITE
Executive Board
Student Presentations and Publications

We are pleased to announced these selected publications authored by our Student Chapter members:

**Berthaume, A.** and M. Knodler (2013) “Hazardous Bicycle Maneuvers at Single-Lane Roundabouts in Massachusetts: A Conflict and Events Study”

**Ding, J.** and S. Gao (2013) “Optimal Adaptive Routing Algorithm for Large-Scale Stochastic Time-Dependent Networks”


**Wenners, K., Knodler, M., Kennedy, J.** and **C. Fitzpatrick** (2013) “Large-Scale Observation Study of Drivers’ Cell Phone Usage”
Awards

The UMass chapter is pleased to announce the following awards won by our Chapter’s members:

- Michael Plotnikov - 2012 Northeastern District Student Paper of the Year
- Ian McKinnon - Thomas E. Desjardins NEITE Scholarship
- Yue Tang, Radhameris Gomez, Ian McKinnon, Timothy Horan, Chaoquin Jia - 2012 MassDOT/AASHTO’s Francis B. Francois Award for Innovation
- Piotr Rachan - 2012 NEUTC Student of the Year
- Dr. Michael Knodler - College of Engineering Outstanding Faculty Award

Student Outreach

- Boston Public School Science Fair Activity with Middle and High School Students
- Prospective Student Open House (Spring & Fall)
- College of Engineering Advisory Council Meetings
- Graduate Student Recruitment

Ian Mckinnon is presented his scholarship by Richard Davey and John Jenkins.

ITE Director Paula Benway presents the Outstanding Paper Award to UMass ITE student member Michael Plotnikov.
TRB Reception

First Annual Northeastern District ITE Student Reception at TRB Annual Meeting

Uniting ITE and non-ITE university students of the Northeast together

Given the magnitude of the TRB Annual Meeting (10,000 plus attendees), we believed an event would provide a unique opportunity for the District to attract many students in our region who may not currently be affiliated with an existing student chapter. Simultaneously, this event provided an opportunity for already active students within our district to network as well. ITE International Vice President Candidate John Kennedy stopped in to say hello and show his support for our student chapter.

Seminar Speaker Series

The Student Chapter co-sponsored the Transportation Seminar Speaker Series for the 2012 - 2013 academic year. Professionals from around New England visited UMass for weekly presentations. Speakers include:

Dana Roscoe, Principle Planner/Transportation Manager, PVPC
Eric Gonzales, Assistant Professor, Rutgers University
Anna Barry, Deputy Commissioner, ConnDOT
Michael Razo, Operations Research Analyst, Volpe Center
Randy Needham, New England Regional Manager, Acrow Bridge (pictured)
The ITE Student Chapter sent 12 active members to Washington D.C. to attend the 92nd Annual Meeting of the Transportation Research Board. From this group there were nine presentations at the conference with a handful resulting in publications. At TRB the Student Chapter attended the ITE Student Member Reception and the Young Professionals in Transportation Reception.

- **ITE Student Member Reception**: Our members visited the ITE Headquarters where Victor M. Mendez, the Federal Highway Administrator, gave an inspirational speech about the bright future of transportation.

- **Young Professionals in Transportation Reception**: The chapter got the opportunity to network with other young professionals in the field of transportation from all around the country.
Meetings and Conferences

The UMass Amherst Student Chapter has always placed a special emphasis on meeting and conferences. Attendance at state and district meetings allows students to build relationships with professionals in the New England area. Students from the UMass Student Chapter were present at the following meetings:

- Student Research Symposium—Storrs, CT—April 10th, 2012
- ITS Massachusetts Annual Meeting—Boston, MA—May 9th, 2012
- MAITE/NEITE Joint Meeting—Waltham, MA—September 13th, 2012
- NEITE Annual Meeting—Warwick, RI—December 3rd, 2012
- VTITE/NEITE Joint Meeting—Killington, VT—January 24th, 2013
- Student Chapter Meetings and Executive Board Meetings—Monthly
The Northeastern District Annual Meeting in 2013 is being held in Northampton, MA. Because of the proximity and that the meeting is being co-chaired by our Faculty Advisor, Mike Knodler, the student chapter is heavily involved with the logistics and publicity for the event. Chapter members have been involved with developing an online registration, creating flyers and posters for advertising, and soliciting a call for abstracts for the poster session which will have a top prize of $200.
The student chapter organized many social events for the purpose of providing a medium for undergraduate and graduate students to get each other and a reprieve from the rigors of college life. The notable events that were held this year are as follows:

- Fantasy Football League—Current students and alumni league that facilitated fun competition throughout the season.
- UMass Football Tailgating—Students and alumni tailgate before a UMass vs. Buffalo football game at Gillette Stadium.
- YPT Trivia—Two teams traveled to Cambridge, MA to participate in a trivia night at Tommy Doyle’s in Kendall Square.
- Go Karting—At the new Pioneer Valley Indoor Karting.
- Jeopardy—A warm up for the District Traffic Bowl, students got together for some Transportation Jeopardy.
- End of the year BBQ—Bub’s BBQ in Sunderland, MA
- Bowling—Spare Time in Northampton, MA
- Holiday Party—Michael’s Billiards in Amherst, MA
The chapter has prioritized technical training as part of this year’s programming. It is our belief that these skills trainings best prepare our students for the workforce.

- Work Zone Speed Study - September 2012
- Traffic Counts - October, November 2012
- Series of Traffic Studies Including both TMCs and ATRs - Sept-May
- Highway surveying and layout - March 2013
The ITE Student Chapter Continues to be activity involved in community service with both the Adopt-A-Highway program and road race traffic control.

- **Adopt-A-Highway:** Members of UMass ITE met several times throughout the spring, summer and fall to fulfill their Adopt-a-Highway pledge for the two mile portion of Route 116 between the UMass exit and Route 9.

- **Cold Spring Swift River PTO 5K:** The event, which has been dedicated to Marilyn Higgins a former teacher and coach at Belchertown High School, is an annual fundraiser for the non-profit PTO organization.

- **UMass Amherst Homecoming 5K:** Campus Tradition

- **Cider Donut 10K:** This event helped to raise $12,900 for the Amherst Survival Center.

- **Boston Public School Science Fair:** An event to get students excited about civil engineering by using household items to build simple structures.
A few members of the student chapter have had the opportunity to travel and expand their knowledge in the field of Transportation Engineering. In May 2012, three students along with a faculty member traveled to Ireland. While there, they met with the Road Safety Authority (RSA) of Ireland, the Department of the Environment (DOE) in North Ireland and transportation researchers from Trinity College and the National University of Ireland, Maynooth. This upcoming summer, two students will spending their summer in China collaborating with researchers in Beijing studying connected vehicle technology.
The Student Chapter has fully embraced social media and has used it to connect students with alumni, professionals, and organizations. Below is a snapshot of #TheYearInReview.

**CDM Smith**

CDM Smith @CDMSmith 15 Mar 12
Our own Larry Murphy and Kevin Johnson are looking forward to presenting this afternoon at the @UMassITE Technical Day! ecs.umass.edu/ite/technical_

**UMass ITE Chapter**

UMass ITE Chapter @UMassITE 10 Apr
Enzo Chia presents regarding car following models at the @uconnite student symposium. pic.twitter.com/9Ogj9ApG

**ITE Headquarters**

ITE Headquarters @ITEhq 25 May
RT @UMassITE Congratulations to Mike Plotnikov for winning the Outstanding Student Paper award for the Northeastern ITE section!

**ITE Headquarters**

ITE Headquarters @ITEhq 5 Jul
Congratulations to all the District Traffic Bowl winners! itte.org/trafficbowl/de…. We look forward to the championship at #ITE2012AM @UMassITE

**UMass ITE Chapter**

UMass ITE Chapter @UMassITE 12 Aug
The UMass Chapter has arrived in Atlanta for the @ITEhq #ITE2012AM

**UMass ITE Chapter**

UMass ITE Chapter @UMassITE 6 Sep
First meeting of the semester today during seminar @ 4PM in Marston 220

**Cole Fitzpatrick**

Cole Fitzpatrick @colefitzpatrick 18 Oct
Trivia night in Cambridge with @YPTBoston pic.twitter.com/A31bzXoj

**UMass ITE Chapter**

UMass ITE Chapter @UMassITE 23 Dec
Congrats to @KeithWenners on winning the first annual @UMassITE Student/Alumni fantasy football league!

**TRB**

TRB @TRBofNA 2 Jan
RT @umassite: Presenting a poster at @TRBofNA #TRBAM? Consider reviewing these poster session guidelines: onlinepubs.trb.org/onlinepubs/am/…

**UMass ITE Chapter**

UMass ITE Chapter @UMassITE 12 Jan
The @UMassITE chapter is traveling to @TRBofNA via @amtrak today! Ironically, making use of multiple forms of transportation! #trbam

**Jessica Rasmussen**

Jessica Rasmussen @My1stTRB 14 Jan
The ITE Northeast District Student reception is tonight @7:30pm @ Buffalo Billiards. More info ow.ly/i/1n2Y2 #TRBAM

**UMass ITE Chapter**

UMass ITE Chapter @UMassITE Retweeted by UMass ITE Chapter
Registration for the Northeast District Annual Meeting in Northampton, MA is now open! Only $50 for students! @itehq neite.org/northampton201...
## Chapter Roster

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<th>STUDENT NAME</th>
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<th>GRAD/EXP. GRAD DATE</th>
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*Denotes ITE Member