INSTITUTE OF TRANSPORTATION ENGINEERS

THE UNIVERSITY OF MISSISSIPPI

ITE STUDENT CHAPTER

ANNUAL REPORT

2010 • 2011

Department of Civil Engineering, Carrier Hall, University, MS 38677-1848

Dr. Waheed Uddin, Faculty Advisor

Parker Capps, President
Jimmy Jackson, Vice President
Brent French, Secretary
Brian Hovenac, Treasurer
# Table of Contents

Title Page.......................................................................................................................... 1

Table of Contents.................................................................................................................. 2

Summation of Chapter......................................................................................................... 3

ITE Chapter Officers........................................................................................................... 4

Chapter Meetings................................................................................................................ 5

Invited Lectures.................................................................................................................. 6

Honors and Awards............................................................................................................. 11

Activities and News............................................................................................................. 11

Summary of Expenses....................................................................................................... 14

Chapter Web Page............................................................................................................. 15

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*Annual Report Compiled By Parker Capps*
The Institute of Transportation Engineers (ITE) student chapter is available for civil engineering students at The University of Mississippi (UM) who are interested in transportation. The idea for the founding of a transportation engineering society was prompted by Dr. Waheed Uddin and Ms. Lucy Phillips when they returned from the Deep South Institute of Transportation Engineers (DSITE) annual conference in Philadelphia, MS on February 8, 2001. An interest meeting was held in April of 2001 where ITE member Bob Mabry of the Mississippi Department of Transportation gave a presentation on roadway design and ITS, and urged the attending students to apply for a charter for an ITE chapter. An election was held, and 2001-2002 officers were elected to start the application process. The results were: Founder President- Lucy Phillips, Vice President- Justin Spinks, Secretary- Austin Banks, Treasurer- Audrey Stewart, and Faculty Advisor- Waheed Uddin.

Following the application process, the chapter was recognized by the university and the national headquarters. The ITE chapter charter was presented on December 6, 2001. The chapter is included in the University of Mississippi listing of student organizations. The chapter web page was created in March of 2002. Since then, every year new chapter members are recruited and guest lecturers are invited in the Fall and Spring semesters. Elections are held each year in Spring semester to elect next year's chapter officers and faculty advisor.

Dr. Alex Cheng (Dean of Engineering and former Civil Engineering department head), Dr. Waheed Uddin (faculty advisor), Dr. Christopher Mullen (Interim Chair of Civil Engineering), and other faculty members of the Civil Engineering Department approve and support the activities of the ITE Student Chapter at the University of Mississippi.

Student members are encouraged to participate in DSITE meetings and paper/annual report competitions every year. DSITE scholarships are announced to students every year. The chapter members and faculty of the civil engineering department appreciate this honor given to one or two student applicants every year at the University of Mississippi. The students who won these awards become very active in chapter activities and motivate other fellow students to participate.
ITE Chapter Officers

2010-2011

President: Parker Capps
Vice President: Jimmy Jackson
Secretary: Brent French
Treasurer: Brian Hovanec

Faculty Advisor: Waheed Uddin, Ph.D., P.E.

Left to Right: H.Q. Parker Capps (President), Jimmy Jackson (Vice President), Brent French (Secretary), Brian Hovanec (Treasurer)

Past Chapter Officers

<table>
<thead>
<tr>
<th>Year</th>
<th>President</th>
<th>Vice President</th>
<th>Secretary</th>
<th>Treasurer</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2010</td>
<td>Annie Chapman</td>
<td>Christine Frost</td>
<td>Ryan Walters</td>
<td>Brittany Wood</td>
</tr>
<tr>
<td>2008-2009</td>
<td>Andrew Greaser</td>
<td>Uriah Sowell</td>
<td>Amrik Singh</td>
<td>MacKenzie White</td>
</tr>
<tr>
<td>2007-2008</td>
<td>Jessica Mallette</td>
<td>George Hopkins</td>
<td>Colby Willis</td>
<td>Katherine Osborne</td>
</tr>
<tr>
<td>2006-2007</td>
<td>Amber Hebert</td>
<td>Drew White</td>
<td>Bikila Wodajo</td>
<td>John Shaw</td>
</tr>
<tr>
<td>2005-2006</td>
<td>Preston Denson</td>
<td>Brenton Montgomery</td>
<td>Amber Hebert</td>
<td>Benjamin Njuguna</td>
</tr>
<tr>
<td>2004-2005</td>
<td>Ryan Williams</td>
<td>Scott Dooley</td>
<td>Derrick Kendrick</td>
<td>Josh Samuels</td>
</tr>
<tr>
<td>2003-2004</td>
<td>Chas Smithers</td>
<td>Angie Mallette</td>
<td>Priscilla Barton</td>
<td>Brad Hise</td>
</tr>
<tr>
<td>2002-2003</td>
<td>Benjamin Russell</td>
<td>Talbert Rea</td>
<td>Tony Sanders</td>
<td>Karl Hector</td>
</tr>
<tr>
<td>2001-2002</td>
<td>Lucy Phillips</td>
<td>J.D. Spinks</td>
<td>Austin Banks</td>
<td>Audrey Stewart</td>
</tr>
</tbody>
</table>

Founder Faculty Advisor: Waheed Uddin, PhD., PE.
Founder President: Lucy Phillips
Chapter Meetings

ITE chapter meetings are held every semester. Scholarships, activities, and other events are discussed at this time. Formal spring meetings and the election of officers for the 2011-2012 academic years are scheduled for March-April 2011.

The ITE chapter officers also discussed deadlines that must be met such as the annual chapter report, scholarships, student paper, and other issues. We also discussed how we can get other students involved in ITE. We always look forward to having guest speakers from industry and government agencies to visit and give lectures because it gets students involved with practicing engineers and transportation professionals. Everyone always enjoys the lectures and leaves more informed and knowledgeable than what they learn from textbooks only.

The ITE committee members discussed possible guest speakers for the fall and spring semesters. Through discussion in chapter meetings the ITE committee and faculty advisor decided to invite Mr. Bob Mabry from the Mississippi Department of Transportation who gave an ITE traffic bowl tutorial to the students on February 14, 2011.

Several chapter members worked on traffic counting and analysis of Hwy 6 interchange with South Lamar in Oxford, Mississippi. Counts were done in hourly segments for several days. This was done in order for the CE 481 Transportation class to conduct traffic capacity and level of service analysis for their semester term projects.
Invited Lectures

The Fall ITE lecture event and chapter meeting was held on November 4, 2010 in the Old Chemistry Auditorium at 5:30PM. Dr. Imad Aleithawe of the Mississippi Department of Transportation (MDOT) lectured on:

"Acquisition of Right of Way for Highway Projects:"

The Right Of Way Division of the Department of Transportation is the official body authorized to act on behalf of the State Transportation Commission in the acquisition of property required for highway construction purposes and maintain the right of way records of these properties. The Right of Way Division’s primary purpose is to acquire and clear the necessary properties to construct and maintain the State Highway System. Property that is needed for transportation construction or improvements projects comes in all sizes, shapes and with related problems. The right of way (ROW) acquisition process is not only an economic issue that needs to be executed in a timely manner, but it is also a socially sensitive issue. It deals with personal matters of public property and owner rights.

The following is a brief biography of Dr. Aleithawe:

Dr. Imad Aleithawe, P.E., CPM (Certified Public Manager) earned BS and Masters in Civil Engineering (structural) from Gdansk Technical University, Poland; Master and Ph.D. from Mississippi State University. He has been working for MDOT since 1991. He started as an EIT in Gulfport project office and now as an engineer IV in Jackson. He is married and they have 2 boys, 16 and 10 years old respectively. Dr. Aleithawe is a graduate adjunct faculty member at Mississippi State University.
Left to Right: Dr. Uddin (faculty advisor) with chapter officers Brent French, Jimmy Jackson, Parker Capps, Dr. Imad Aleithawe (guest lecturer), and Brian Hovanec
In attendance for the fall lecture were ITE members, faculty members, graduate students, and CE 481-Transportation Engineering students. The lecture was followed by an ITE chapter meeting where pizza and refreshments were served. Many students who attended this lecture became members of ITE Chapter at the meeting. The event was co-sponsored by the Department of Civil Engineering.

The Spring 2011 ITE lecture was held in Carrier 211 on February, 14, 2011 at 4 PM. Mr. Bob Mabry of MDOT presented to the CE 417-Construction Management class. The spring lecture meeting was also followed with pizza and refreshments. Jonathan Kiser was scheduled to present but was unable to attend. Mr. Mabry presented on both topics:

"Roundabouts and the 2009 MUTCD"

Jonathan Kiser, PE, PTOE, PTP
Professional Traffic Engineer & Transportation Planner
Neel-Schaffer, Inc.
Jackson, MS

"2011 ITE Traffic Bowl Tutorial"

Bob Mabry, PE, PTOE
DSITE Student Chapter Liaison
Mississippi Department of Transportation
Jackson, MS

The above spring lecture was hosted by ITE Chapter in cooperation with Center for Advanced Infrastructure Technology and Department of Civil Engineering. The ITE Traffic Bowl Tutorial was very fun and informative. Even the students who were not competing in the competition learned important trivia on traffic engineering topics.

Left to Right: Class participating in the ITE Traffic Bowl Tutorial; MDOT Lecturer Bob Mabry after the tutorial with Dr. Uddin
During our spring lecture, Dr. Amir Kavussi sat in who visited Ole Miss as part of his educational tour sponsored by the State Department. He has been a Visiting Scholar at the National Academies, Washington DC. He received BS and MS from University of Naples, Italy and PhD from University of Birmingham, UK. Dr. Kavussi is a transportation engineering professor at Tarbiat Modares University, Tehran, Iran.

Professor Amir Kavussi and students listening to Bob Mabry’s lecture

Left: Dr. Amir Kavussi and Bob Mabry   Right: ITE traffic bowl participants listening to Mr. Mabry’s tutorial
Dr. Amir Kavussi (center) visiting University Administrators Dr. Donald Cole, Assistant Provost and Assistant to the Chancellor Concerning Minority Affairs (left) and Dr. Michael Metcalf, Associate Provost for International Affairs (right)

Dr. Amir Kavussi (center) with Dr. Uddin (left) and Dean Alexander Cheng (right) in Engineering Dean's office

Dr. Amir Kavussi touring beautiful campus of Ole Miss in Oxford, MS
Honors and Awards

We had three Ole Miss students won 2011 ITE scholarships this semester. Two students, Thomas Alex Kajdan and Preston Bridges, won the Deep South Institute of Transportation Engineers (DSITE) Scholarship. Parker Capps won the Deep South ITE/Temple award. Preston received the ITE award check at the Winter DSITE meeting on February 24, 2011 in Baton Rouge, LA.

Left to Right: Dr. Uddin, Preston Bridges, Parker Capps, Thomas Alex Kajdan

Several ITE chapter members are holding officer positions in student chapters of ASCE, Chi Epsilon, Society for Women Engineers, and Engineers Without Borders. Jessica Headrick won the 2010 best paper award recognized by DSITE.

Since 2009 Dr. Uddin has been serving as member of the Board of Directors of the Gulf Region Intelligent Transportation Society (GRITS). Dr. Uddin was nominated by MDOT ITS Section as a university representative from Mississippi.

Activities and News

The University of Mississippi student members of ITE chapter also participated in the DSITE Annual Traffic Bowl that was held in Baton Rouge, LA on February 25, 2011. The student members attending the traffic bowl this year were Stephen Burdine, Corey Hamil, Preston Bridges, Whitney Pardew, and Nathan Mikell. The students were accompanied by Dr. Uddin. The participating students attended dinner and socialized with DSITE officers and attendees.
Jessica Headrick (BS 2008, MS 2010) made a presentation as an ITE chapter member at 2010 GRITS Conference, Baton Rouge, LA, November 17, 2010. Her presentation on her MS thesis research about MS Highway6/South Lamar roundabouts in Oxford followed Dr. Uddin’s presentation on research results of recent Ole Miss transportation graduate students.
Dr. Uddin was invited by Shah Abdul Latif University (SALU), Khairpur, Sindh, Pakistan at the 2010 International Biodiversity Conference, December 29-31, 2010. As a keynote speaker he lectured on, “Flooding, Ecological Diversity, and Wildlife Habitat Studies by Geospatial Visualization and Remote Sensing Technologies.” This rural agricultural area of interior Pakistan has been adversely impacted by the catastrophic floods of July 26-August 2010 caused by torrential monsoon rains and overflow of the Indus River in Khairpur-Sukkur area. Roads and bridges were washed away, over 1500 people perished, and much of the land had been under flood water for several months. Dr. Uddin accompanied by Dr. Raza Bhatti, Director of the SALU Center for Biodiversity and Conservation, toured the affected area including transportation infrastructure and hydraulic structures.

Dr. Uddin also trained a local NGO for checking the water quality in field using sample kits, instructions, and test protocol provided by Ms. Marni Kendricks, Assistant to Engineering Dean at Ole Miss. Ms. Kendricks developed the simple protocol as a part of her M.S. graduate report in 2010.
Summary of Expenses

The following statement is current record of the ITE student chapter account, as summarized by Treasurer Brian Hovanec.

Starting Balance $573.95 (as of April 1, 2010)

Deposit (ITE Southern District) $100.00 (September 9, 2010) check for chapter annual report

Deposit $91.88 (February 14, 2011)

Deposit (CE department reimbursement) $110.00 (Near Future)

Subtotal $875.83

Expenses (ITE Refreshments) $110.00 (November 04, 2010)

Expenses (ITE Refreshments) $120.00 (February 14, 2011)

Expenses (Hotel - Jessica Headrick *) $77.97 (February 14, 2011)

Ending Balance $567.86

* Jessica Headrick (BS 2008, MS 2010) made a presentation as an ITE chapter member at GRITS Conference, Baton Rouge, LA, November 17, 2010.

The ITE Deep South Section provided the chapter a check of $100.00 for the 2010-2011 annual report award. These checks were deposited by the Treasurer into the ITE chapter bank account with Mississippi Federal Credit Union.

The ITE chapter thanks for the financial support provided by the DSITE section to Ole Miss students during DSITE meetings and for annual check contribution by Jonathan Kiser on behalf of Neel-Schaffer, Inc.

The ITE chapter appreciates the financial support provided by the Department of Civil Engineering for some of the expenses related to refreshments during meetings.
Chapter Web Page

A web page for the ITE Student Chapter at the University of Mississippi, designed by the student members, is now periodically updated with the support of Dr. Waheed Uddin. The www link is shown below:

http://www.olemiss.edu/orgs/ite/