

Michiganite

Official Publication of the Michigan Section of the Institute of Transportation Engineers

Letter from the President By Brent Schlack, Washtenaw County Road Commission



As I begin my term as the 2017 President of ITE Michigan, I am really impressed with the level of commitment of the many members who continue to volunteer their time to our Section. This really shows in our increase of attendance to our technical meetings and our continued success of offering

student scholarships. I want to give all of you a big shout out and thank you for all your hard work.

As we start to roll into spring we continue to plan our annual ITE Great Lakes District Meeting which will be held at the Ann Arbor Sheraton on April 19th and 20th.

Four spectacular keynote speakers are lined up with MDOT's Director Kirk Steudle kicking off the conference. Richard Wallace, Director of the Transportation Systems Analysis group within the Center for Automotive Research (CAR) will be the first day's lunchtime keynote speaker. He has 20 years of experience designing, conducting, and managing transportation projects and research. Mr. Wallace serves as principal investigator for CAR's connected vehicle efforts for the Michigan Department of Transportation. John Maddox, President and CEO for the American Center for Mobility will be our second day's morning speaker. He is leading the effort to create a national-scale Automated and Connected Vehicle test facility in Michigan, the heart of the US auto industry. The final keynote will be Lauren Isaac, Manager of Transportation Sustainability at Parson Brinckerhoff and 2015 William Barclay Parsons Fellow. In her current role she works with transportation organizations to help advance strategies, practices, and technologies to meet current and future transportation needs through approaches such as transportation demand management,

improved asset management practices, and alternate transportation modes. She has been a speaker with TEDx Talk and has developed the manual titled "Driving Towards Driverless: A Guide for Government Agencies". Registration is open, please reserve your spot and don't miss your chance to take part in this wonderful conference. Additional details about the event can be found on the flier in this newsletter (page 10), or on our website.

The 2017 Executive Board will focus on increasing membership and looking to the future through our student organizations. We will continue to engage with our student chapters and assist them in growing their membership and learning more about areas we can support them.

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Letter from the President

We currently have active student chapters at Michigan State University, Western Michigan University, Michigan Tech University and Wayne State University. We continue to receive inquiries and are in the process of reaching out to the other universities with hopes to expand our student chapters within our Section.

Michael Lodes will be assisting the Board as Chair of the Awards Committee. Michael will be working to resurrect this committee, therefore if there are any members that would like to take part on this committee please contact Michael at mlodes@HNTB.com. The approach to this committee will be to align our Section awards with the National awards to streamline the application process and allow for a member to apply to both levels. This is an endeavor that is long overdue for us and recognizing our membership for all the great things we are

Cont'd from Page 1

all doing. Please look for more to come on our Section Awards.

Lastly, we have a busy year ahead of us starting with hosting the Great Lakes District Meeting to several technical meetings planned. There are plenty of networking events planned including the Annual Student Scholarship Golf Outing at Mystic Creek in South Lyon. We will cap off the year with our 2017 Annual Section Meeting in Farmington.

A final thank you for all those that devote their time to make this Section work!

Brent Schlack can be reached at (734) 327-6670 or schlackb@wcroads.org.

Meet Your Director! Matt Hunter, CDM Smith



Matt Hunter, PE, PTOE is a Traffic Engineer/Project Manager for CDM Smith, where he has spent the last 14 years building a broad range of experience in traffic, safety, and design with a focus in roundabouts and Bus Rapid Transit (BRT). He has worked on and managed

a variety of projects, including: traffic impact studies, road safety audits, BRT projects, road design, and border crossings. Growing up in England, Matt developed a passion for roundabouts and their inherent safety benefits and now serves as a national CDM Smith resource for roundabout analysis, design and implementation and has involvement with the TRB and ITE Roundabout Committees. Matt also serves on the technical sessions committee for ITE Michigan and is currently helping to organize the 2017 ITE Region Conference.

Matt graduated from Kingston University, UK, in 2001 with a Bachelor of Engineering, Civil Engineering degree. He is a licensed Professional Engineer in Michigan and Texas and became a Professional Traffic Operations Engineer in 2013. Matt currently lives in Grand Ledge, MI. He has been married to his wife for 15 years and has two children ages 10 and 6. Matt spends his free time running, volunteering with his church, and being involved in several of his kids' extra-curricular activities. He is very excited to join the ITE board to help define the future of ITE Michigan at this exciting time of transportation change.

Matt Hunter can be reached at (517) 318-3663 or hunterms@cdmsmith.com.

In recognition of Engineer's Week 2017 (Feb 19-25)

**How many civil engineers does it
take to change a light bulb?**

**Six: One to do it and five to do the
environmental impact study.**

2017 Executive Board



Left to Right: Matt Hunter, Carissa McQuiston, Matt Hill, Brent Schlack, Lia Michaels, and Paul Arends

New Members of ITE Michigan Section

Jeffery Morden
Parsons Corporation

Eric Tripi
Parsons

John Paepke
Michigan Department of Transportation

Adam McArthur
Atkins Global

Joseph Eberle
Parsons Brinckerhoff

Erica Johnson
HNTB Corporation

Jason Pittenger
Parsons Brinckerhoff

Tony Geara
Parsons Brinckerhoff

Student Members

Shuaidong Zhao
William Westrick
Allen Van Den Boom
Aaron Townley
Drew Roberts
Keneth Morgan Kwayu
Justin Daavettala

Welcome to the Michigan Section of ITE!!

*Do you want to become a member of the Michigan
Section of ITE? If so, please contact the
Section Secretary Lia Michaels at
(248) 454-6812 or lmichaels@hrc-engr.com.*

2016 ITE Annual Meeting and Exhibit

The ITE Annual Meeting and Exhibit was held in Anaheim, California on August 14th through 17th, 2016 and brought together transportation leaders, professionals, students, and vendors to participate in networking events, seminars, technical tours, and workshops—all aimed at advancing individuals and the profession as a whole.

During the awards luncheon professionals and orga-

nizations were recognized for having excelled in their careers. The *MichiganITE* was the recipient of the District and Section Newsletter Award for Circulations less than 250. Paul Arends, Michigan Section President from MDOT accepted the award.

The 2017 international ITE meeting will be a joint ITE/CITE Annual Meeting and Exhibit held in Toronto, Canada on July 30th through August 2nd.



MichiganITE Award

Pictured (L to R) Paula Flores (Benway), ITE International President; Paul Arends, Michigan Section President; Shawn Leight, ITE International VP; and John Kennedy, ITE International Past President



ITE Awards Program Michigan Section

Nominations for three Michigan Section ITE Awards will soon be accepted. Recipients will be honored at a Michigan section meeting in 2017. More information to come. The awards brochure and applications will be posted online at <http://itemichigan.org/>.

For more details, contact Michael Lodes at mlodes@HNTB.com.

The following rewards will honor the best and brightest in transportation:

- Young Member of the Year Award
- Michigan Section Award (Adapted from Theodore M. Matson National Award)
- Transportation Achievement Award

Night Out with the Detroit Tigers

By: Chris Bauer, Graduate Engineer, Hubbell, Roth & Clark, Inc.



Hubbell, Roth and Clark (HRC) hosted nearly 25 ITE members, friends and family to watch the Detroit Tigers take on the Cleveland Indians on Wednesday, September 28th. The group met at HRC's Detroit office and beat the rain on the walk to Comerica Park but wasn't so lucky once the game began.

Heavy rain came during the third inning and didn't let up for the rest of the night. Fans took cover in whatever gift shop, restroom, or bar they could find until the game resumed about an hour later. The game was eventually called after the fifth inning and the brave

souls that stayed were treated to a Tigers victory. Thanks to everyone who attended in what would end up being the Tigers last home game of the year and to Lia Michaels for organizing the event.

Chris Bauer can be reached at cbauer@hrc-engr.com.

Stay Tuned!

Next Tiger's Game Outing This Fall

*For more details, contact
Lia Michaels at (248) 454-6812 or
lmichaels@hrc-engr.com.
Hope to see you there!*



2016 Michigan Section ITE Annual Meeting

The 2016 Annual Meeting, hosted by Mark Saksewski with the City of Farmington Hills, was held on December 8th at the Grant Community Center. The event consisted of a lunch buffet, scholarship awards, the announcement of the new board, and technical sessions detailing a variety of projects and topics. Pamela Blazo, MDOT Safety Programs started the day by providing useful tips for getting your project approved through the Local Safety Program. This was followed by Ron Brenke, ACEC who presented on *Quality Based Selections* and then Brian Travis, MDOT and Steve Griffith, MDOT who presented on *Segment 1 of the I-75 Mega Project*. After lunch, a panel discussion about *Engineers and Public Engagement* took place featuring Jim Hartman with MDOT Oakland TSC, Bill Huotari with City of Troy, and Jennifer Chehab with Fleis & Vandenbrink. The final session detailed a *Road Diet Case Study* by Julie Kroll, Fleis & Vandenbrink for Maple Road in Birmingham.



Brent Schlack presenting a plaque to Paul Arends, Immediate Past President

2016 Fall Golf Outing By Aimee Giacherio, Wade Trim

The ITE Michigan Section held its annual fall golf outing at Willow Wood Golf Club in Portland, Michigan on Thursday, September 22, 2016. This year's outing had a total of 20 golfers for a fun day on the course.

Congratulations to the winning team of Jim Snell, Lev Wood, Ben Chen, and Mike Zonyk!

Aimee Giacherio can be reached at (616) 363-8181 or agiacherio@wadetrim.com.



COMING SOON...ITE TRIVIA 2.0!

For the 2nd year in a row the Board is planning a fun night out for a Trivia Competition! Host locations will be set up in various cities and there will be prizes. Stayed tuned for more info!

2017 Schedule of Activities

Date	Location	Type	Host
January 31, 2017	MDOT Brighton TSC	Board Meeting	Brent Schlack 734-327-6670
April 19-20, 2017	Ann Arbor, MI Sheraton Hotel	ITE Great Lakes District - 2017 Annual Meeting	Michigan Section ITE Brent Schlack 734-327-6670
June TBD, 2017	Mystic Creek GC, Milford	Education Fund Golf Outing	Aimee Giacherio 616-363-8181
June TBD, 2017	Lansing, MI	Board Meeting	Brent Schlack 734-327-6670
July 30 - Aug. 2, 2017	Toronto, Canada Sheraton Centre Toronto	ITE International 2017 Annual International Meeting and Exhibit	ITE International
August TBD, 2017	Detroit Tigers Game	Evening Baseball Game	Lia Michaels 248-454-6812
September TBD, 2017	Willow Wood GC, Portland	Fall Golf Outing	Tim Haagsma 616-242-6923 Aimee Giacherio 616-363-8181
October TBD, 2017	Kalamazoo, MI, TBD	*Technical Session	Matt Hill 313-310-8239
December TBD, 2017	TBD	*Annual Meeting and Technical Session	Jeff Bagdade 248-836-8499

* Session Includes Board Meeting

ITE Michigan Section 2016 Student Scholarship Winners

The members of the Education Scholarship Committee selected four students to receive a \$3,000 scholarship from the Michigan Section of ITE. The 2016 winners were:

- Keneth M. Kwayu- Western Michigan University (WMU)
- Rachel Kloc- Michigan Technological University (MTU)
- Steven Stapleton - Michigan State University (MSU)
- Drew Roberts- Michigan Technological University

Congratulations to the winners! Information about each of the winners is provided in the following paragraphs.



Keneth Morgan Kwayu is currently pursuing his PhD in Civil Engineering majoring in Transportation Engineering at Western Michigan University (WMU). He obtained a Master's Degree from WMU and a

Bachelor's Degree from the University of Dar-es-salaam in Tanzania. He is also a research assistant working at Transportation Research Center for Livable Communities (TRCLC) at WMU. He is currently working on the following MDOT funded projects:

- Evaluating the Impacts of Speed Limit Changes on Identified Case Studies, and
- Association of Michigan's Older Adult Crashes with Roadway Features.

Keneth is a member of ITE Michigan Section and International. He was recently nominated as the WMU ITE Student Chapter President for one year (2017).

Keneth Morgan Kwayu can be reached at kenethmorgan.kwayu@wmich.edu.



Rachel Kloc, from Freeland, Michigan, is a 4th-year undergraduate student at Michigan Technological University. She will be graduating in April 2017 with a Bachelor's degree in Civil Engineering. Rachel worked

for two summers as a Civil Engineering intern at Spicer Group, Inc. located in Saginaw, Michigan. Rachel has en-

joyed being involved on Michigan Tech's campus; she is currently the President of Mind Trekkers, a student-led travelling organization at Michigan Tech focused on pre-college STEM outreach. Additionally, she is a Community Coordinator and was a Resident Assistant for two years. Rachel is also actively involved in Michigan Tech's music groups including Orchestra, Jazz Band, and Wind Symphony. Rachel is planning to pursue a graduate degree in Transportation Civil Engineering, and hopes to find a career in the field of airfield design.

Rachel Kloc can be reached at rkkloc@mtu.edu.



Steven Stapleton is a Master's student at Michigan State University, and received his Bachelor's degree in civil engineering from Wayne State University. His research experience is focused on highway safety, having

worked on funded research investigating differential speed limits, as well as another project investigating the safety performance of pedestrian and bicycle infrastructure. His paper, "Factors Affecting Driver Yielding Compliance on College Campuses: An Evaluation of 31 Uncontrolled Midblock Crosswalks on Low Speed Roadways in Michigan" recently won best paper award at the 2017 Annual Meeting of the Transportation Research Board. He is currently the president of the ITE student chapter at MSU, and participated in the 2015 and 2016 regional Traffic Bowl competitions. He is also a member of the Michigan and International ITE sections. In his free time, Steven enjoys hiking and camping throughout Michigan.

Steven Stapleton can be reached at staple58@egr.msu.edu.

Drew Roberts is currently enrolled at MTU, majoring in Civil Engineering with a focus in transportation. He is scheduled to graduate in the spring of 2017. Drew spent three years working on a program that he developed to teach middle and high school students about transportation, such as road design, traffic technology, and highway safety.

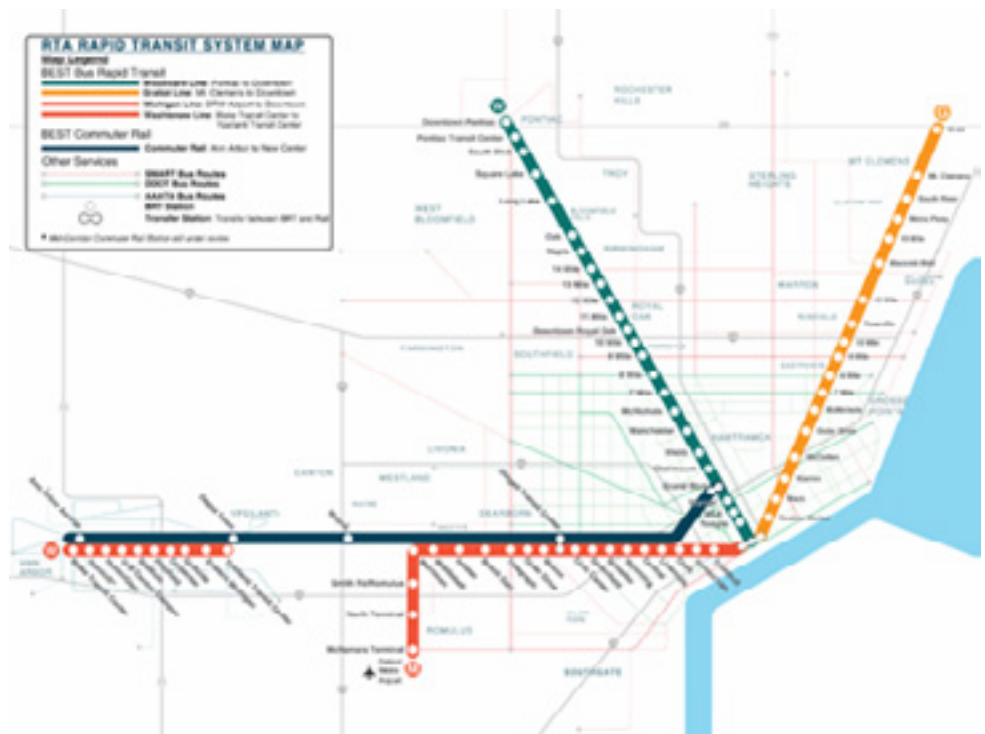
ITE Fall Technical Session

By Julie Kroll, Fleis & Vandenbrink

The Fall Technical Session was held at the KVCC Groves Campus in Kalamazoo, Michigan on October 6, 2016. The session was hosted by Michelle L. O'Neill, who is the MDOT Operations Engineer Kalamazoo TSC.

The day started around 9:00 AM with some coffee and networking before the beginning the first presentation. Lauren Warran, WSP | Parsons Brinckerhoff and Josh Bocks AECOM started the day with a summary of the **Gratiot Avenue and Michigan Avenue Alternatives Study** that was prepared for the Regional Transit Authority of Southeast Michigan (RTA). The Michigan Avenue Corridor Study focused on evaluating different corridor alternatives to develop efficient transit between Detroit and Ann Arbor, including Detroit Metropolitan Wayne County (Metro) Airport. Similarly, the Gratiot Avenue Transit Study included the portion of Gratiot Avenue to M-59 and was one part of the evaluating the overall transit options between Detroit and Mt. Clemens. The focus of both projects was to identify the best transit solutions to develop as a Locally Preferred Alternative (LPA) for inclusion in the RTA's Regional Master Transit Plan and in the Southeast Michigan Council of Governments (SEMCOG) long range transportation plan.

After a short break, the morning presentations continued with Joyce Yassin, Opus International presenting on the **Regional Traffic Safety Plans Initiative**. Previously, this was known as Local Road Safety Plans; however, since MDOT did not want to manage 83 plans, one for each county, it was determined that there should be one for each State Planning and Development Region (SPDR). There are currently 14 different plans in vari-



ous stages of development. Michigan has comprehensive safety plan and the Regional Traffic Safety Plans will complement the State's Strategic Highway Safety Plan. The benefit to having a local plan is to focus on addressing crash risks at a local level and ultimately, the plans will be implemented to reduce fatal and serious Injury crashes and help move Michigan Toward Zero Deaths.

The final morning presentation included an **Evaluation of Integrated Corridor Management System Performance Using Probe Vehicle Data** by Ken Yang and Chase Chen, AECOM. Integrated Corridor Management (ICM) is the coordination of multiple transportation networks and cross-network connections comprising a corridor, and the coordination of institutions responsible for corridor mobility. This case study evaluated the performance of an event involving both Southeast Michigan Transportation Operation Center (SEMTOC) and Communication and Technology Center (COMTEC) and evaluated the effort of managing a traffic incident on a main corridor by effectively implementing a ICM utilizing trailblazer arrow signs, changeable message signs, and special signal timing plans in an effort to re-route traffic around an incident scene.

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ITE Fall Technical Session

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The session took a break around noon and headed upstairs to the dining area for a lunch buffet and some more networking. The afternoon session started at 1:00 PM with Julie Kroll, Fleis & VandenBrink facilitating an Engineering Ethics Discussion with four ethics cases that were evaluated by the National Society of Professional Engineers (NSPE) Board of Ethical Review. Several small groups were formed and each discussed the case studies individually, before returning to discuss together as a whole group. The group discussion was well received after lunch and continued the discussions from lunch though to our first afternoon break.

The second afternoon presentation was from Josh Fink, AECOM who provided an overview of the **Macomb County Traffic Signal Metrics: An Application of Purdue University Research**. This presentation provided some insight into how Macomb County is working to reduce delays on the corridors through evaluating the data on their signalized corridors. The key to the Purdue Coordination Diagram is signal behavior vs vehicle arrivals. So far, Macomb County has used this to methodology to evaluate the operations of some of their signals, but based on the positive results they have seen thus far, they hope to expand it to more intersections and include pedestrian metrics.

The final presentation of the day was by Matt Hill, WSP | Parsons Brinckerhoff who's presentation titled **You want to put WHAT on my signal cabinet?** Provided a brief overview of Traffic Controller Cabinet Art Programs. The presentation included a brief discussion about what (Art, Information, Advertising) can be put on the signal cabinet. The why and how were presented in a video. Overall, it was found that these programs built a sense of place (community landmarks), connect people with their surroundings (and history), promote local artists and community dialogue, can provide way-finding/infographic, camouflage an other wise ugly gray box, and deter vandalism.

Thanks to Michelle for hosting (her first) Fall Technical Session, the ITE Michigan Technical Session Committee and especially a BIG thanks to the presenters for taking time from their busy schedules to share their knowledge on these great topics.

Julie can be reached at (248) 536-0080 or [jkroll@fveng.com](mailto:jroll@fveng.com).



ITE GREAT LAKES DISTRICT ANNUAL MEETING

Featuring the
ITS Michigan Vendor
Showcase

APRIL 19-20, 2017



Sheraton

3200 Boardwalk Dr, Ann Arbor, MI

MEETING DETAILS

The 2017 Great Lakes District meeting of the Institute of Transportation Engineers will be hosted in the City of Ann Arbor Michigan. This non-profit organization is the technical backbone of the transportation industry providing training, standards, research, and accreditation to transportation professionals in the United States and throughout the world. The conference will be held in conjunction with the ITS Michigan Technology Showcase, a vendor exhibit showcasing the latest in traffic and ITS technologies.

The Annual meeting is a two-day conference incorporating technical tours and social networking into a seminar format, with objectives of providing educational and networking opportunities for its members and the greater transportation community. Topics at the conference will focus on promoting improved sustainability, mobility and safety for all modes of transportation.

This conference will be held April 19-20, 2017 at the Sheraton Hotel in wonderful Ann Arbor. The Ann Arbor area is the state's rare jewel: a small, friendly town with big-city sophistication; a world-class educational and high-tech research center nestled in a quintessential college town; a close-knit community of charming neighborhoods with a rich mix of cultures.



REGISTRATION

Individual Registration - [CLICK HERE](#)

\$120 Full two-day | \$70 One-day | \$20 per day student

Sponsor/Exhibit Registration - [CLICK HERE](#)

\$550 Exhibit | \$500 Sponsorship

\$25 Reception sponsor



For more information, go to www.GL-ITE-2017.org



Treasurer Report - December 2016
By Matthew Hill, WSP | Parsons Brinkerhoff

Section Fund Balance (As Of December 1, 2016) \$ 17,072.52

Regular Fund Balance	\$ 19,944.87
Educational Fund Balance	\$ (2,872.35)
Technical Projects Fund Balance	\$ -

ACTIVITIES for January 1 through Nov 30, 2016

Income - Section Regular Fund \$ 7,410.50

Dues	\$ 2,227.50
Meetings	\$ 4,123.00
Other/District Mtg	\$ 1,060.00

Expenses - Section Regular Fund \$ 8,491.58

Postage & Supplies/PayPal Fees	\$ 202.02
Meetings	\$ 4,851.31
General liability Insurance	\$ 1,000.00
Other/GLD District Mtg (2017)	\$ 2,438.25

Income - Section Education Fund \$ 18,470.50

Member Contributions	\$ 265.50
Golf Outing: Golfer Fees	\$ 4,760.00
Golf Outing: Sponsor Fees	\$ 8,050.00
Golf Outing: Miscellaneous	\$ 5,395.00

Expenses - Section Education Fund \$ 21,951.31

Golf Outing: Gifts/Prizes	\$ 1,950.00
Golf Outing: Course Fee (Golf/Cart/Lunch)	\$ 6,650.00
Transfer to National	\$ 12,000.00
Student Group Trips	\$ -
Other	\$ 1,351.31

2017 Executive Board & Committee Chairs

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