

# Michiganite

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

## Letter from the President By Carissa McQuiston, Michigan Department of Transportation



MI ITE Section,

It seems like just a blink ago I was stepping up as President at the start of 2019; and now we are heading towards 2020. I have been honored to be your president this past year and look forward to continuing

to represent our section as past President and on the Great Lakes District Board and the Midwestern District Board. These are exciting times and many changes are just around the corner. Our section is in great hands with our board, and with Lia Michaels taking the helm as we face those changes/challenges/opportunities in 2020 and beyond!

Let's take a quick look back before we run in to the future as 2019 held many memorable events for our section. Our technical session in February (the 'March meeting') brought in outstanding speakers and our first mentor panel. April brought our annual ITE Trivia night gathering – the trophy was passed off to our Detroit location this year. May was our Scholarship Golf Outing in Milford – a little bit of rain never stopped our golfers! July was our international meeting in Texas (more on that later). August brought us out to the ball game to see the Tigers. October was our fall technical session with another round of outstanding speakers and December will close out our year with the annual meeting including awards and student scholarships. How many of these sessions/events did you attend? How many did you volunteer for or participate at? These and our committees are great opportunities to participate. Get involved!

One of the great events mentioned above was the May golf outing. This year we made a profit of \$11,953! That is the best we have done since 2006. We will be able to continue to fund our student scholarships with outstanding results like this!

We also need to talk about ITE International. The 2019 Joint ITE International and Texas District Annual Meeting and Exhibit was held in Austin, TX this year from July 21-24, 2019. I was able to sit in the session held for Districts, Sections and Chapters. We discussed many topics to unify ITE such as section

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**Letter from the President ...** *continued from page 1*

by-laws, website layouts, member lists, preferential pricing, meeting assistance, voting and continued education hour retention. It was a great conversation with our counterparts across the nation and ITE HQ.

Also, our dues are still being collected along with district and international dues through [www.ite.org](http://www.ite.org). Have you become a full member yet? ITE has so much to offer and if you have not taken that step, consider it for 2020. Be in the mix as we keep heading towards our new district as part of OneITE. Next year will be the last year we are a district of three states with us fully merged by 2021 into the new Great Lakes District (as a district of eight states!).

If there is one message that has resonated with me and I hope to leave you with, it's get involved. Put in the time and effort to move ITE MI forward and keep

our section the relevant professional organization that it is! Join a committee (locally or at the international level), speak at a session, participate in LeadershipITE, etc.! Be an active part of ITE – invest in the organization that invests in you! Feel free to get in touch with me or any board member to help connect you to your area of interest.

Thank you again for the opportunity to serve as your President,

Carissa McQuiston

*Carissa McQuiston can be reached at (517) 335-2834 or [McQuistonC@michigan.gov](mailto:McQuistonC@michigan.gov).*

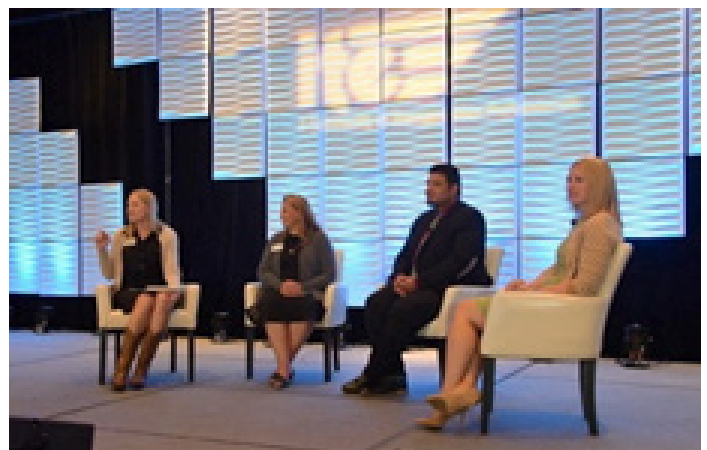
**Leadership ITE - Austin, Texas Meeting Recap**  
**By Carissa McQuiston, PE, MDOT**  
**Michigan Section President**

The Joint ITE International and Texas District Annual Meeting and Exhibit was in July this year and attended by over 1,500 people. July in Texas was HOT and the scooters were everywhere y'all! In the opening plenary session Austin's mayor told us that people take around 450,000 scooter trips a month!



The conference was kicked off by our International President, Bruce Belmore, and there was a vast selection of technical sessions and content. I was able to attend quite a few and bring home some information from International.

During the first night of the conference, the Women of ITE subcommittee put on a Women's forum (not exclusive to women despite the name!) where we had a panel discussion on how to be an advocate for



*(Continued on page 3)*

## Austin, Texas Meeting Recap ... *continued from page 2*

yourself, moderated by our incoming International VP Alyssa Rodriguez. This session was very informative and well received by attendees.

Additionally, the technical content throughout the conference was well rounded offering many topics in Connected & Automated Vehicles, Complete Streets, Family, Leadership, Mobility as a Service, Rural ITS, Smart Communities, TSMO and Vision Zero along with technical tours and social events. ITE committees and subcommittees met to discuss 2019 successes and 2020 initiatives as well. One of these meetings was with ITE HQ and District, Section and Chapter representatives. Some items that will be important for our section to consider in the future are:

- Section by-laws update – we will be provided standard by-law language approved by IBOD.
- Website – uniformity and consistency nationally. There are options available to districts and sections on updating and maintaining their websites such as: 1. Revamping of the website to use a unified log in and unified calendar with the [www.ite.org](http://www.ite.org) site, 2. the StarChapter solution, which is a much more robust program that will include an email communication platform, event registration, and will be connected to ITE HQ's database so membership information is being transferred as well as a unified log in, and 3. no change to our current site.
- ITE HQ hired a very experienced Director of Meetings named Linda Pierre and she will begin hosting a quarterly webinar for ITE meeting managers and LAC leaders. This webinar will allow those involved in coordinating meetings to get advice regarding venue contracts, AV, logistics, etc.
- Preferential pricing – we will continue to offer discounts to our members on events, publications and professional development opportunities.
- District annual meeting planning – nationally we will not overlap meeting dates, each district will have a block of time for their annual meeting. The new Great Lakes District annual meetings will be within the June 5-20th time frame each year.



*continued on page 4...*

## Austin, Texas Meeting Recap ... *continued from page 3*

If you can get out to these annual meetings they are great ways to learn about new and emerging interests in transportation, hear about what ITE is doing at a national level, network with colleagues and other ITE members and connect with our committees and subcommittees to find a good fit to participate.



Upcoming meetings to keep on your calendars for the District and International Meetings are:

- 2020 Great Lakes District Annual Meeting  
June 3rd to 5th, Chicago IL
- ITE 2020 Annual Meeting and Exhibit  
August 9th to 12th , New Orleans LA
- 2021 Great Lakes District Annual Meeting  
Last week of April, Columbus OH
- ITE 2021 Annual Meeting and Exhibit  
July 18th to 21st, Portland OR



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## Night Out with the Detroit Tigers By: Cole G. Villalobos, Graduate Engineer, Hubbell, Roth & Clark, Inc.

Hubbell, Roth & Clark, Inc. (HRC) hosted 16 ITE members, friends and family to watch the Detroit Tigers take on the Kansas City Royals on Thursday, August 8th. The group met at the HRC Detroit office just under one mile from Comerica Park to eat, drink, and socialize before the start of the game. One ITE member (Joe Bartus, Macomb County Department of Road) had the following to say:

“The weather (as well as the pizza and beer) couldn’t be more perfect for the Tigers game. I don’t think it’s a stretch to say that we all enjoy seeing each other outside of work instead of behind our desks.”

The Detroit Tigers won with a score of 10 to 8, making it not only a successful night for ITE but for the Detroit Tigers as well. Thank you to everyone who attended and to Lia Michaels for organizing another fantastic event!



## ONE ITE Update Fall 2019

**By: John Davis, Great Lakes District Transition Team Chair**

Greetings everyone! Here is an update on the One ITE Initiative in the Midwestern and Great Lakes Districts. Transition teams have been working since the first of the year to address various topics regarding the realignments of the present Midwestern and Great Lakes Districts and creation of the Missouri Valley (MOVITE) District.

In May 2019, the ITE International Board of Direction approved the district charters for the “new” Great Lakes District and the charter to elevate the MOVITE Section to become an ITE District. The “new” Great Lakes District will be comprised of the **Illinois, Indiana, Michigan, North Central, Ohio and Wisconsin ITE sections**. The “new” MOVITE District will be comprised of the states of **Arkansas, Iowa, Kansas, Missouri, Nebraska and Oklahoma** as well as Illinois counties near St. Louis and the Quad Cities areas.

The elevation of the MOVITE Section to a District and integration of the remaining sections of the Midwestern District with the sections of the Great Lakes District as areas with similar regional areas and challenges are key elements being implemented to meet the One ITE goals, which are to:

- **Deliver a consistent member experience** – Every ITE member should have a reasonably consistent experience in terms of access to resources, connection to other members, leadership opportunities, fees paid, representation at the District and International level, etc.
- **Provide effective member support** – Reducing inconsistency, eliminating bureaucracy, and streamlining operations will enhance the quality of member services and value for membership.
- **Ensure the long-term viability of ITE** – ITE must differentiate itself from its competitors and be the association of choice. Having a clear and consistent “brand” is essential.

Since May 2019, the transition teams have been working on developing new bylaws for both “new” districts. The MOVITE District Bylaws were approved at the ITE International Board Meeting in July 2019. The MOVITE transition team is now developing a district procedures document. The “new” Great Lakes District’s bylaws are in the process of being reviewed for approval by the International Board at their November meeting. The Great Lakes transition team is starting to review the operating procedures that have guided both existing districts over the years in order to develop procedures for the “new” district. The objectives of both teams are to have the procedures approved and other matters settled by June of 2020 in anticipation of the start of operations on January 1, 2021.

In the coming months, new model language for section and chapter charters and bylaws will be released for consideration and adoption by each ITE section and chapter. These documents will complement the revisions in the district charter and bylaws.

**The Look of the NEW Great Lakes District** - Start thinking about design ideas for a Great Lakes District logo to represent the new regional district. Details regarding a logo design and the submission of any design concepts are expected to be announced in early 2020.

If you have any questions, please reach out to any of the current district officers or section representative to the district board.

## ITE Trivia Night By: Emma Hagel, Hubbell Roth & Clark, Inc.

This year's annual ITE Trivia Night took place on April 11, 2019 at three locations across the state:

- Ferndale- Rosie O'Grady's
- East Lansing- Hopcat
- Grand Rapids- Perrin Brewing Company

As always, it was a fun-filled evening of networking, consisting of trivia topics such as the state of Michigan (What City was the state capital before Lansing?), entertainment (Who was born first, Ronald Reagan or Frank Sinatra?), and of course, traffic (What is the level of autonomous vehicle that requires absolutely no human intervention?).

Like previous years, the event was live. All three locations throughout the state were competing against each other. Teams at all locations were given the same questions at the same time, and the updated state-wide scoreboard was shown after each round.

Overall, the event was a huge success. A big thanks goes to the organizers and hosts of this event: Paul Arends (AECOM), Matt Hill (WSP), Matt Hunter (HNTB), Carissa McQuiston (MDOT), Lia Michaels (HRC) and Mark Saksewski (City of Farmington Hills). Special thanks to the sponsors HRC and HNTB for securing the rooms and providing the appetizers.

We look forward to making this event bigger and better next year! Stay tuned for more info. If you were wondering, the answers to the sample trivia questions were Detroit, Ronald Reagan, and 5, respectively.



### Ferndale Winners - PE Warriors

Pictured Left to Right: Steve Stramsak (RS Engineering), Dan Helou (Mannik & Smith), Mohammad Lutfi (RCOC), Steve Remias (WSU), Billy Jensen (HRC), Genti Heqimi (HRC)



### East Lansing Winners - I Like Turtles

Pictured Left to Right: Trevor Stevens (ROWE), Pierce Treend (HNTB), Lee Nederveld (MDOT), Evan Paupert (Borg Warner), Tessa Norman (HNTB)



### Grand Rapids Winners - Team STRIKEFORCE

Pictured Left to Right: Jesse Morgan (HRC), Hailey Savola (HRC), Jon Ré (City of Grand Rapids)



## ITE Educational Fund Golf Outing By Aimee Giacherio, Wade Trim

The 27th Annual ITE Educational Fund Golf Outing was held at Mystic Creek Golf Club in Milford, Michigan on Thursday, May 30th. The Michigan Section ITE Golf Committee would like to extend our thanks to all the firms that generously supported this year's benefit golf tournament. This year's golf outing was a great success with a total of 106 golfers and 33 hole sponsors. All of our sponsors are listed to the right. Additional thanks are extended to all of the outing participants. Many of you dug deep into your pockets to participate in the on-course challenge holes, raffle, and flagging tape which contributed to over 20 percent of the total profit.

This year, profits from the event totaled \$11,953 which is the highest profit since 2006. All the proceeds are deposited directly into the Michigan Section ITE Educational Fund. This fund is used to provide free attendance at Michigan Section meetings, to provide monetary awards for annual student research paper competition, to help defray students' costs for attending national ITE and Transportation Research Board meetings, and to provide scholarships to worthy transportation engineering students at Michigan State University, Michigan Technological University, and Wayne State University. Thanks to all who made this event a huge success!

*Aimee can be reached at [AGiacherio@WadeTrim.com](mailto:AGiacherio@WadeTrim.com)*

### Hole Sponsors:

- Baker and Associates
- **Billy Fields Cookies\***
- Carmanah Technologies
- **Carrier & Gable\***
- **CDM Smith\***
- City of Dearborn
- DLZ Michigan, Inc.
- Dornbos Sign & Safety Inc.
- Eberle Design, Inc.
- **Econolite\***
- Fleis & VandenBrink
- GHD
- Give EM A Brake Safety
- Highway Service Company
- Hubbell, Roth, & Clark, Inc.
- Integral Blue
- **Iteris, Inc\***
- **MDI Worldwide\***
- MS2
- OHM Advisors
- Orafol Americas
- Pelco Products Inc.
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- **Traffic Data Collection, LLC\***
- **TraffiCalm Systems\***
- **Trinity Highway \***
- Wade Trim Inc.
- WSP USA

**\*Indicates Hole and Lunch Sponsor**

### Other Contributors:

- Fabick, Inc.
- Quality Counts
- Gary Piotrowicz
- Joseph Marson
- Kevin McCarthy
- Tim Haagsma

## ITE Spring Technical Session By: Diana Fassett, WSP

The ITE Spring Technical Session was held at the MDOT Aeronautics office in Lansing on February 27, 2019.

The morning session started out with Ahmad Jawad from the Road Commission for Oakland County discussing “Road Agency Readiness: Preparing for ITS Technologies”. Connected vehicle technology has numerous potential applications including work zone management, intersection collision avoidance, traveler information and weather sensing. Industry is embracing the technology. Ahmad shared the GM super cruise video that showed a hands-free highway driving system that alerts you to grab the wheel if your eyes are not on the road. BMW personal co-pilot is currently up to level 2 of autonomous driving. BMW has plans for level 3 and the start of level 4 in the year 2021. V2I (vehicle to infrastructure) compatibility will be all about the data and it’s use. It is estimated that 4 out of 5 vehicles will have internet by 2020. This type of technology will not just be a transportation issue, it will be an everything issue. It will be interesting to watch it all happen locally since Oakland County is the second biggest test bed in the United States.

The next session was with Alan Ostrowski from MDOT discussing the I-696 project. This project encompassed over 200 lane miles of work in two counties in Metro Detroit. The section in Oakland County covered 16 miles of concrete pavement repairs and 8 miles of pavement removal and replacement in Macomb County. The concrete paving in Oakland County was done over 12 weekends and used 40,000 square yards of concrete. The section in Macomb County was the primary focus of the presentation.

The schedule was accelerated with 4 months of design instead of the typical 2 years, a 4 week ad which ended up being too short and 6 months of construction. The short design timeframe required digital deliverables. The project pdf had 3 separate plan view sheets for the entire 8 miles of the project in addition to separate profile sheets. You needed to be on a computer to work with the plans to zoom in and turn layers on and off. Bluebeam allowed everyone involved in the project to work from one set of plans. The as-builts

were easier to generate since they were being created as the project progressed. Feedback from MDOT staff suggested having a separate Bluebeam session per stage to reduce the file size. The contractor thought this process was excellent for use in the office but paper plans were preferred for field work. Since there were no quantities on the plans, it was difficult to perform quantity take-offs. A project quality spreadsheet (PQS) was used instead. The project pdf is a powerful tool but it still needs adapting.

Westbound I-696 was closed and detoured while eastbound traffic was maintained for the entire duration of the project. During construction, there were some difficulties with access and moving around the project site. The job was built from a haul road since you couldn’t drive on the cement treated permeable base. This type of base had to be installed with a paver followed by 2 rollers in a set path within minutes of being installed. Drainage was being repaired and not replaced. There were a lot more repairs than expected which extended the construction schedule into this year. Another factor that effected the schedule was the work stoppage.

After a break, Chris Zull from Progressive AE presented on advisory bike lanes. Advisory bike lanes are part of a roadway striping configuration that provides for 2-way motor vehicle traffic in a central travel lane shared by both directions of vehicular traffic with a bike lane on either side of the road. Motorists are allowed to encroach into the bike lanes after yielding to bicycle traffic. Advisory bike lanes are recognized by the FHWA as suitable for the following conditions: ADT less than 6000 vehicles per day, a 16 foot center lane and a roadway that is not part of a truck route, a bus route or part of a one-way grid.

A hybrid advisory bike lane was installed on Jefferson Avenue between Hall and Burton in the city of Grand Rapids. The project is one mile long with an 18 foot wide center lane. After a newspaper article written prior to the installation, public feedback was not very supportive and there was a lot of confusion. Although on-street parking was deemed important, it was underutilized. After installation, there was only one complaint that the design encourages drag racing

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## ITE Spring Technical Session ... continued from page 8

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The final morning session was a panel discussion on mentoring. The panel included Dick Beaubien from Beaubien Engineering, Barbara Arens from WSP and Regine Beauboeuf from HNTB. Dick started by discussing the ITE mentoring program and the book “Multipliers (How the Best Leaders in the World Make Everyone Smarter)” by Liz Wiseman. The book discusses different mind types. Diminishers operate as Tyrants. A tyrant is the smartest person in the room that can tell you how to do your job. This creates a stressful environment since they demand everyone’s best thinking but they introduce judgement and fear of judgement. Multipliers operate as Liberators who establish a unique and motivating work environment where everyone has the permission and space to think and do their best work. This fosters bold thinking. Along those same lines, mentors should encourage growth and listen.

Chris Zull from Progressive AE led the panel discussion. The panel discussed the following questions:

- What is mentoring and describe your experience? Mentoring never stops. It can be formal or informal, technical or non-technical. One mentor cannot be everything to one person. You should have a board of directors to guide you in the different areas of your life. Mentors should challenge you.
- When did you know you were knowledgeable enough to be a mentor? As professionals, one has a responsibility to pass on knowledge and experiences. It is most valuable when it is someone you can relate to and someone who can relate to you.
- How do you find a mentor? Technical mentors can be found in your organization or through technical groups. Don’t be afraid to approach someone. Look for someone that has an attribute you want to learn about. Check in on a regular basis by going out to lunch monthly or via telephone.
- How do you give feedback to your mentee? Listen and ask questions. Share your own experiences.
- What is a good piece of advice you have received?

Don’t be afraid to fail and make mistakes. Otherwise, how will you learn?

After lunch, Sarah Binkowski from SEMCOG and Dani Booms from HNTB presented on the I-375 improvement project in the city of Detroit. This is an MDOT project to convert the 1.1 mile long freeway to a boulevard. The project is currently in the NEPA process to get a preferred alternative from two options which was narrowed down from six options. Aims for this project include reducing the median to allow for direct left turns and enhancing pedestrian and non-motorized facilities.

The design has to support the forecast. The SEMCOG model is a traditional 4-step model: trip generation, trip distribution, mode choice and assignment. Converting I-375 to a non-freeway could have significant impacts on downtown Detroit due to the 30% diversion rate. Due to numerous challenges, a dynamic traffic assignment (DTA) model was used to provide more accurate diversion rates for the build model and the ability to assess impacts outside of the project area. Other benefits of the DTA model include the ability to have more refined time periods, trips that can be divided into individual vehicles with individual routes, being able to include traffic signals and turn lanes, more realistic responses to queuing and delays and the ability to include those using GPS and real-time traffic info. The results show a decrease in traffic volumes on I-375 with a lot of excess capacity on downtown roadways.

The next steps in the process include working with FHWA on refinements, finalizing the EA and having public hearings. Construction is tentatively schedule for 2022.

The next session in the afternoon was “Raising Speed Limits on Rural Highways – Have we Reached our Limit?” presented by Timothy Gates from Michigan State University. People want to travel faster but safety remains in issue due to more severe crashes and fatalities at higher speeds. Several states have recently increased speed limits:

*continued on page 10...*

**ITE Spring Technical Session ... continued from page 9**

- 70 mph in urban areas in Utah and 70 mph in Ohio
- 80 mph in Montana
- 85 mph in Texas
- Oregon rolled their speed limit back due to crashes occurring after the speed limit increase

Michigan implemented a new speed limit policy in 2017. The policy raised speed limits from 70 mph to 75 mph or from 55 mph to 65 mph on select roadways supported by engineering and safety studies. Candidate roadways were identified using safety/risk assessment: 10 years of crash rates, risk factors related to geometric conditions and field data. Operating speeds have been monitored before and after the change in speed limit through LIDAR and MDOT permanent traffic recorders. Operating speeds have increased but not as much as expected. This continues to be an on-going project.

The final presentation of the day was “Reconnecting the Downtown Grid: One-Way to Two-Way Street Conversions” by Josh Bocks of AECOM. The grid street

network was a series of one-way streets popular through the 1950’s. In the 1960’s with the rise of freeways, the grid street network was converted back to two-way streets. This conversion could improve safety and boost economic development in neglected downtown areas but it also required intersection and traffic signal redesign. Josh presented examples in Jackson, Alpena and Kalamazoo where one-way streets were converted to two-way. Challenges after the conversion included a high volume of truck traffic travelling at lower speeds, on-street parking and traffic diverting onto neighborhood streets. Stakeholders have competing interests with differing priorities but it is important to include owners and users in the decision.

A special thank you goes out to all presenters and attendees for making this technical session a success!

*Diana can be reached at [Diana.Fassett@wsp.com](mailto:Diana.Fassett@wsp.com).*

**Save the Date!**

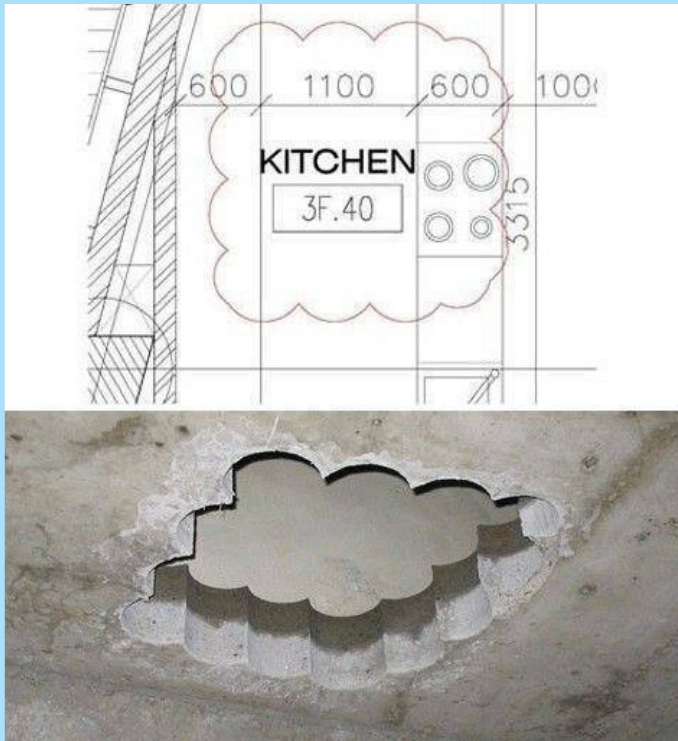
**Annual Meeting**

**December 5th, 2019**  
**Costick Center**  
**Farmington Hills, MI**

More information to follow.

**Call for Abstracts**  
 visit [www.itemichigan.org](http://www.itemichigan.org)

**Joke of the day...**



**\* Please be careful when you put revision clouds on your drawings, some of the contractors do not understand. \***

## New Members of ITE Michigan Section

Corey Clevenger  
Jackson County Department of Transportation

Angela Kline  
Jackson County Department of Transportation

Christopher Bolt  
Jackson County Department of Transportation

Bret Taylor  
Jackson County Department of Transportation

Michael Anderson  
Jackson County Department of Transportation

Ben Gershman  
Jackson County Department of Transportation

Irene Christy  
Tessa Norman  
Jordan Hankin  
Michigan State University

Qiuqi Cai  
Michigan State University

Eric Gannaway  
Siemens

Patrick Eldridge  
WSP Michigan

Oladayo Akinyemi  
City of Detroit

Rachel Jones  
Road Comm. for Oakland County

Suzette Peplinski  
Michigan Dept of Transportation

Mallory Crow  
AECOM

Kiel McIntosh  
Carrier & Gable, Inc.

David Rybacki

### 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 Mark Saksewski at (248) 871-2554 or MSaksewski@fhgov.com.*

## Student Members

Mustafa Al-Akshar  
Wayne State University

Zachary Ruddick  
Michigan State University

Oonagh McKenna  
Michigan State Engineering

Jordan Hankin  
Michigan State University

Qiuqi Cai  
Michigan State University

Rodney Emerick  
Michigan State University

James Chadwick  
Michigan State University

## Meet Julia Yassin!

Joyce Yassin welcomed her daughter Julia on July 23, 2019. Congratulations, Joyce!



## ITE Michigan Section 2019 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 2019 winners were:

- Rajat Verma  
Michigan State University (MSU)
- Seyede Fatemeh Fakhrmoosavi  
Michigan State University (MSU)
- Matthew Motz  
Michigan State University (MSU)
- Kyle Owen  
Western Michigan University (WMU)

Congratulations to the winners! Information about each of the winners is provided below.



Seyede **Fatemeh Fakhrmoosavi** is a doctoral student at Michigan State University pursuing a degree in Civil Engineering with an emphasis on transportation network modeling. She holds a Master's of Science in Civil Engineering and a Bachelor of Science degree in Civil Engineering from Sharif University of Technology in Tehran, Iran. She is a student member of both the Michigan Section and International Institute of Transportation Engineers. Fatemeh is the secretary of the ITE student chapter at MSU. She was the second place winner of Engineering Graduate Research Symposium Poster Awards in the area of Civil Engineering (Transportation/Pavements) in the 2018 Engineering Graduate Research Symposium at MSU. She was ranked first amongst all Civil Engineering Hydraulic Structural graduate students at Sharif University of Technology in 2014. She is currently a graduate research assistant at Michigan State University. *Fatemeh Fakhrmoosavi can be reached at [moosavi@msu.edu](mailto:moosavi@msu.edu).*

**Rajat Verma** is a master's student at Michigan State University studying civil engineering. He holds a BSCE degree from Indian Institute of Technology Roorkee in India. He is a student member of both the Michigan Section and International Institute of Transportation Engineers, along with the American Society of Civil Engineers. He attended the 2017 ITE Midwest/Great Lakes



**Pictured Top Left to Right:**  
Carissa McQuiston, Fatemeh Fakhrmoosavi  
**Pictured Bottom Left to Right:**  
Carissa McQuiston, Rajat Verma

*continued on page 13...*

## ITE Michigan Section 2019 Student Scholarship Winners

... continued from page 12

Student Leadership Summit. He was part of the winning team at ITE Trivia Night with the Greater Lansing Chapter in 2018. Rajat is a graduate research assistant for Dr. Timothy Gates at Michigan State University. He plans to pursue a career in intelligent transportation systems, and is currently applying to doctoral programs at several U.S. universities. His goal is to work in the transportation industry with a primary focus on large-scale data-driven decision making. *Rajat Verma can be reached at vermara2@msu.edu.*

**Matthew Motz** is a bachelor's student at Michigan State University pursuing a degree in Civil Engineering with an emphasis on transportation. He is a student member of both the Michigan Section and International Institute of Transportation Engineers. He is a member of the American Society of Civil Engineers. His goal is to pursue a master's degree and possibly a career working for a municipality. He is student research assistant for Dr. Tim Gates at Michigan State University. He also interned with Rowe Professional Services Company for two summers. *Matthew Motz can be reached at motzmatt@msu.edu.*

**Kyle Owen** is a bachelor's student at Western Michigan University pursuing a degree in Civil Engineering with a with an emphasis on sewer/water and concrete. He is a student member of both the International Institute of Transportation Engineers and the American Society of Civil Engineers. He is a member of the Lee Honors College and Alpha Lambda Delta Honor Society. Kyle is a Concrete Canoe Student Team Member. He is a student member of the International Institute of Transportation Engineers. He was an intern with Wightman Engineering and Prein & Newhof. *Kyle Owen can be reached at kyle.m.owen@wmich.edu.*

## Fall Technical Session October 17, 2019 Kalamazoo, Michigan

### Arterial Mobility Performance Monitoring via Corridor Ranking

9:00 am

Mohammad Al-Akash, AECOM  
Ken Yang, AECOM

### Investigation of the Prevalence of Wrong Way Driving in Iowa

9:30 am

Trevor Kirsch, WSP

### STEM Outreach - 10:15 am

Janine Cooper, MDOT

### Western Student Research Showcase

10:45 am

Keneth Kwayu  
Raed Hasan  
Md Mehedi Hasan

### Work Zone Innovations

1:15 pm

Chris Brookes, MDOT

### Road Funding Update

2:30 pm

Ron Brenke, ACEC

## How to Mentor a Transportation Engineer By: Richard Beaubien, Beaubien Engineering

The February 2019 Spring Technical Session of the Michigan Section, Institute of Transportation Engineers included in the program a panel discussion on Mentoring. The panel was to address questions like “What is mentoring” and “Should I be a mentor?” A panel of seasoned transportation professionals was invited to share their experience with mentoring and offer advice on how to develop others. The panel included Richard Beaubien of Beaubien Engineering, Barbara Arens of WSP, and Regine Beauboeuf of HNTB. Richard Beaubien noted that the Institute of Transportation Engineers has developed a Mentoring Program Manual available online with a very good outline of the expectations for both mentors and mentees. It outlines the structure of a mentoring relationship, and it includes for both mentors and mentees. It resembles a dating service, and it allows the mentor and mentee to be in different cities or different states. His preference was for a relationship between people who can see each other every day in the same office. Other panel members echoed a preference for relationships between people who already know each other. They noted that mentoring can be both formal and informal. Often the informal mentoring is more effective.

Richard Beaubien made a reference to a book entitled *Multipliers* by Liz Wiseman (How the Best Leaders Make Everyone Smarter). She contrasts the approaches a tyrant versus a liberator. Tyrants create a tense environment that suppresses people’s thinking and capability. As a result, people hold back, bring up safe ideas that the leader agrees with, and work cautiously. Liberators create an intense environment that requires people’s best thinking and work. As a result, people offer their best and boldest thinking and give their best effort.

The three practices of the liberator are:

1. Create space
  - Release others by restraining yourself
  - Shift the ratio of listening to talking
  - Operate consistently
  - Level the playing field
2. Demand Best Work
  - Defend the standard
  - Distinguish Best Work from outcomes
3. Generate Rapid Learning Cycles
  - Admit and share mistakes
  - Insist on learning from mistakes

He suggested that ideal mentors should be similar to the vision of ideal Christians. They should have big ears, a small mouth, and a slight smile. Mentors should be active listeners so they can discover what people love to do and learn their strengths. They should look for training opportunities, and they should encourage professional registration and certification.



**Pictured Left to Right:  
Regine Beauboeuf (HNTB), Dick Beaubien  
(Baubien Engineering), Barbara Arens (WSP)**

**Treasurer's Report - September 2019**  
**By Matt Hunter, HNTB**

***Treasurer's Report: September 2019***  
***Matt Hunter***

<b>Section Fund Balance (As Of 8/31/2018)</b>	<b>\$ 25,009.47</b>
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Section Fund Balance	\$ 25,009.47
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**ACTIVITIES for January 1 through August 31, 2018**

<b>Income - Section Regular Fund</b>	<b>\$ 28,158.25</b>
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Dues	\$ 2,713.25
MichiganITE Ads	\$ 1,200.00
Meetings	\$ 2,670.00
Golf Outing: Golfer Fees	\$ 13,240.00
Golf Outing: Sponsor Fees	\$ 6,400.00
Golf Outing: Flagging Tape, 50/50, Seed Mon	\$ 1,935.00

<b>Expenses - Section Regular Fund</b>	<b>\$ 22,850.31</b>
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Website	\$ 189.30
Meetings	\$ 1,783.12
National Mtg Expenses (President)	\$ 2,741.45
Great Lakes District Mtg (President)	\$ 1,837.22
Plaques/Awards	\$ 405.00
General liability Insurance	\$ 1,417.00
Golf Outing: Seed Money	\$ 74.49
Golf Outing: Gifts/Prizes	\$ 1,500.00
Golf Outing: Course Fee (Golf/Cart/Lunch)	\$ 8,122.00
Student Section Mtg Cost	\$ 4,292.18
Bank Charges/PayPal Fees	\$ 488.55

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