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# THE ACTION & REACTION

*Newsletter of the Mid-Michigan Section of the American Institute of Chemical Engineers*

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**Mid-Michigan  
AIChE®**  
American Institute of  
Chemical Engineers

## Apply Now! Engineering Exploration Scholarship

BY TED CALVERLEY, SCHOLARSHIPS CHAIR

Mid-Michigan AIChE strives to promote the vision of the American Institute of Chemical Engineers (AIChE) by offering financial support to high school students who participate in the Summer Youth Program (SYP) at Michigan Tech. The program offers students with the opportunity to experience college life, learn new skills, and explore potential careers in a fun, engaging, and safe setting, in addition to meeting other exceptional young people from around the country and around the world.



**Who:** Students in grades 9-11

**What:** Full scholarship covering tuition, room, and board plus a \$100 travel allotment to explore science and engineering through hands-on laboratory, classroom, and field experiences

**Where:**  Summer Youth Program at Michigan Technological University (MTU) in Houghton, MI.

More information available at: <http://www.syp.mtu.edu/index.php>

**When:** One-week session in the summer of 2021

**Deadline:** Applications due by midnight on Monday, **November 23, 2020**

**Contact:** Apply online at <https://www.aiche.org/community/sites/local-sections/mid-michigan/engineering-exploration-scholarship>

Questions? Contact Ted Calverley at 989-837-1789 or [tcalverley@charter.net](mailto:tcalverley@charter.net)

# Words from the Chair and 2020/21 Kickoff

BY DEBOLEENA CHAKRABORTY

Our 2020/2021 Mid-Michigan AICHE season is off to a great start. We had a very successful virtual kick off on September 30<sup>th</sup>. Stacie Santhany, our past chair, reviewed the accomplishments of the 2019-2020 year. We honored the 2019-2020 award winners. A huge shoutout to all of you who joined us remotely and participated in an engaging trivia game. Even though the kick off was in a virtual format, we had good and informative discussions throughout the event. The evening also included a virtual “gavel” transfer from the past to the present chair, review of our 2020/2021 plans, including introduction of our executive committee, seminar schedule, and plans for community outreach. Our kick off is incomplete without the performance of the “Midland Saxophone Quartet” Tim Lemke, Jon van Regenmorter, Larry Carbary, and John Anderson. I express my sincere thanks to the

group for pre-recording their music for entertaining us during the virtual kickoff event.

Our Executive Committee has been working together to plan for another fulfilling year together. With all your help and participation, undoubtedly we will continue to be an exemplary local chapter. During local section meetings, we share some of our best practices to help impact the greater AICHE organization. Our creative socialization efforts in the midst of the pandemic and social distancing in honoring the scholarship winners was much appreciated by other local chapters. We are extremely happy to be able to grow our impacts at the national levels.

If you are interested in getting more involved, please reach out to anyone on the executive committee. There are many ways you can help and be creative especially during



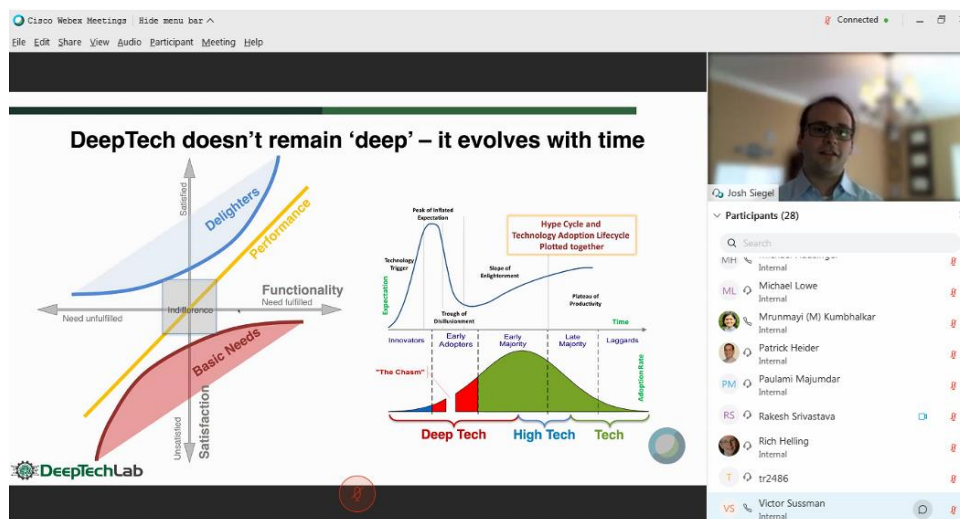
this time when in-person activities are limited. We hope to see you at our various activities this season as we continue to learn via our virtual seminar series. I look forward to yet another great year.

Sincerely,  
Deboleena Chakraborty

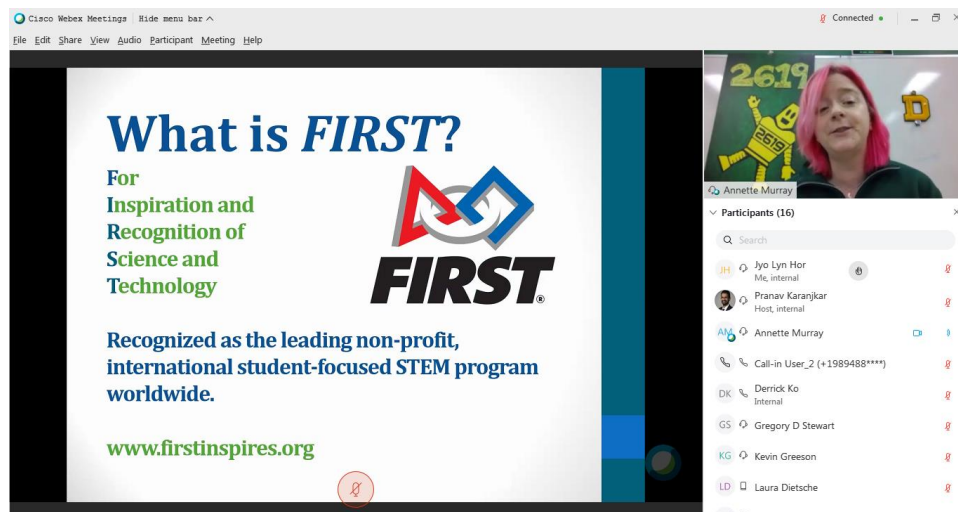


Past chair Stacie Santhany passing the gavel to Deboleena Chakraborty while maintaining distance

# 2020-21 MMAIChE Events and Seminar Series



Josh Siegel, The Deep Technologies Behind Industry 4.0



Annette Murray, FIRST Robotics Programs in the Great Lakes Bay Region

In the October 2020 seminar, we heard from Annette Murray who gave an overview of the FIRST Robotics Programs in the Great Lakes Bay Region. The FIRST Robotics program is always looking for volunteers. A variety of options are available for participation with a different degrees of commitment. For general information on FIRST, visit <https://www.firstinspires.org/robotics/frc>.

For the FIRST of the Great Lakes Bay Region, information can be found at: <https://www.first-glbr.org/>. This can be an excellent way to get engaged in a unique STEM outreach opportunity. If you're interested in volunteering, or just want to learn more, contact Annette Murray, President of FIRST Great Lakes Bay Region at [amurray-first@gmail.com](mailto:amurray-first@gmail.com).



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### 2020-2021 Executive Committee



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# Donating to Support a Future Engineer through Mid-Michigan AIChE is Easy

The Mid-Michigan Section of AIChE is involved in STEM educational outreach. We provide classroom demonstrations and support aspiring engineers through scholarships for summer camps and chemical engineering degrees. Your donation will be used to help Mid-Michigan AIChE sustain the scholarship fund that sends high school students to the Michigan Technological University Summer Youth Program or to an accredited university or college for a degree in chemical engineering.



You can choose to donate using a PayPal account or with a Debit or Credit card.

The PayPal link is:

[https://www.paypal.com/donate/?cmd=\\_donations&business=eestangland%40charter.net&item\\_name=Scholarships+donations+to+Mid-Michigan+AIChE&currency\\_code=USD](https://www.paypal.com/donate/?cmd=_donations&business=eestangland%40charter.net&item_name=Scholarships+donations+to+Mid-Michigan+AIChE&currency_code=USD)



OR scan the QR Code on your smartphone – it takes seconds!

Donations are tax-deductible and our secretary can provide you with a receipt. We sincerely thank you for financially supporting aspiring chemical engineers.

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## Upcoming virtual seminars! Stay tuned for upcoming event announcements!

Event	Date, Time	Speaker and Topic
January	TBD	<i>Effective Communication of Scientific Data</i> Mark Jones
February	TBD	<i>Chemical Security</i> Mary Meth Mulcahy



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