



**Formal Session of the Board of Trustees  
May 20, 2020  
1:00 p.m. – 3:00 p.m.**

**The link to the Zoom Webinar meeting is:  
<https://michigantech.zoom.us/j/93506629752>**

- I. Call to Order**, Brenda Ryan, Chair
- II. Roll Call**  
Sarah Schulte, Secretary
- III. Confirm Agenda**  
Brenda Ryan, Chair
- IV. Opening Remarks**
  - A. Opening Remarks of the Board Chair** Brenda Ryan, Chair
  - B. Opening Remarks of the University President** Richard Koubek, President
- V. Public Comment Period**
- VI. Committee Reports**
  - A. Academic Affairs**  
Linda Kennedy, Committee Chair
  - B. Audit and Finance Committee,**  
Jeff Littmann, Committee Chair
  - C. Leadership Committee,**  
Bill Johnson, Committee Chair
- VII. Consent Agenda**
  - A. Approval of Minutes**
  - B. Resignations, Retirements, and Off Payroll**
  - C. Fundraising Productivity Report**
  - D. Approve Appointment of External Auditor**
  - E. Temporary Suspension of Board Bylaw 1.13**

**VIII. Action and Discussion Items**

- A. Employee Recognition, Brenda Ryan, Chair**
- B. Appointments, not involving tenure and/or promotion**
- C. Appointments, involving tenure and/or promotion**
- D. Promotions**
- E. Emeritus Rank, Jackie Huntoon, Provost**
  - a. Dr. Dieter Adolphs, Humanities, Professor Emeritus
  - b. Dr. Theodore Bornhorst, Geological & Mining Eng. & Sciences, Professor Emeritus
  - c. Dr. Ann Maclean, College of Forest Resources & Environmental Sci., Professor Emerita
- F. New BS in Ecology & Evolutionary Biology**
- G. New BS in Math + Computer Science**
- H. New BS in Mechatronics**
- I. New BS in Robotics Engineering**
- J. New BS in Sustainable Bioproducts with Concentrations in Bioproducts Business, Sustainable Construction, and Circular Economy**
- K. Master of Science in Electrical and Computer Engineering**
- L. Change MS Degree Title from Industrial Archaeology to Industrial Heritage and Archaeology**
- M. Change the Name of the Bachelor of Science in Surveying Engineering to Bachelor of Science in Geospatial Engineering**
- N. Elimination of BS in Computer Systems Science**
- O. Elimination of BS in Industrial Technology**
- P. Elimination of Masters of Engineering: Civil Engineering**
- Q. Elimination of Masters of Engineering: Environmental Engineering**
- R. Revision to Board Policy 7.2**
- S. Election of Board of Trustees Chair and Vice Chair**  
Brenda Ryan, Chair
- T. Approval of FY21 General Fund Operating Budget**  
Sue Kerry, Treasurer
- U. Approval of 2020-2021 Room & Board Rates**  
Sue Kerry, Treasurer
- V. Revision to Board Policy 8.9**  
Sue Kerry, Treasurer
- W. Michigan Council for the Arts and Cultural Affairs**

**IX Reports**

- A. Contributions to the Battle Against COVID-19**  
Dave Reed, Vice President for Research

- B. Undergraduate Student Government**  
Larkin Hooker-Moericke, President
  - C. Graduate Student Government**  
Apurva Baruah, President and Nathan Ford, President Elect
  - D. University Senate**  
Michael Mullins, President
- X. Informational Items**
- A. Summary of Scholarships, Awards, and Grants (Board Policy 9.3)**
  - B. Analysis of Investments**
  - C. Research & Sponsored Programs**
  - D. Advancement & Alumni Relations**
  - E. Media Coverage**
  - F. Employee Safety Statistics**
- XI. Other Business**
- XII. Date for Next Formal Meeting: August 6, 2020**
- XIII. Adjourn**

**I. CALL TO ORDER**  
Brenda Ryan, Chair

**II. ROLL CALL**  
Sarah Schulte, Secretary

**III. CONFIRM AGENDA**  
Brenda Ryan, Chair

**RECOMMENDATION:** That the Board of Trustees approves the agenda for the formal session of May 20, 2020 as distributed to the Board.

**IV. OPENING REMARKS**

A. Opening Remarks of the Board Chair  
Brenda Ryan, Chair

B. Opening Remarks of the University President  
Richard Koubek, President

## **V. PUBLIC COMMENT PERIOD**

Members of the public are invited to make public comments to the Board of Trustees in accordance with Board of Trustees Bylaw 1.14. Those who wish to address items in today's agenda and who have filed their intent with the Secretary of the Board as required by Bylaw 1.14 will be limited to 5 minutes. Those addressing general topics are limited to 3 minutes.



**VI. COMMITTEE REPORTS**

A. Academic Affairs Committee – Linda Kennedy

B. Audit and Finance Committee – Jeff Littmann

C. Leadership Committee – Bill Johnson

## **VII. CONSENT AGENDA**

These are routine matters that generally do not require discussion or debate. Any Board member can remove any consent item from the agenda by request. They will be considered as one resolution.

- A. Approval of Minutes
- B. Resignations, Retirements, and Off Payroll
- C. Fundraising Productivity Report
- D. Approve Appointment of External Auditor
- E. Temporary Suspension of Board Bylaw 1.13

**VII-A. APPROVAL OF MINUTES**

**RECOMMENDATION:** That the Board of Trustees approves the minutes of the formal session of February 28, 2020 as distributed to the Board.

## **VII-B RESIGNATIONS, RETIREMENTS, AND OFF PAYROLL**

Attached is a report of resignations, retirements and off payroll which has been approved by the Board Treasurer and are included for her convenience in recommending acceptance by the Board.

**RECOMMENDATION:** That the Board of Trustees accepts the resignations, retirements, and confirms the off-payroll determinations.

**BOARD OF TRUSTEES OFF-PAYROLL REPORT**

(January 26, 2020 – April 11, 2020)

**RETIRED**

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Dieter Adolphs	Faculty	Humanities	Associate Professor	09/02/1985	02/16/2020
Andrea Longhini	Staff	College Forest Resources & Environmental Science	Administrative Associate	07/07/1983	01/31/2020
Duane Puuri	Staff	Facilities Management	Building Mechanic III	01/20/1984	03/27/2020

**OFF-PAYROLL**

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Lori Baakko	Staff	Sponsored Programs Accounting	Assistant Sponsored Programs Accountant	04/16/2018	02/07/2020
Andrea Barajas	Staff	University Marketing & Communications	Digital Services Project Manager	09/15/2014	04/10/2020
Jonathan Beck	Staff	Information Technology Operations	Windows System Administrator	05/21/2018	04/03/2020
Steven Blackburn	Staff	Chief Information Officer	Information Technology Service Management Director	08/25/2015	03/06/2020
Bettyann Caron	Staff	Facilities Management	Custodian	03/11/1996	02/14/2020
Erin Froese	Staff	College Forest Resources & Environmental Science	Director of Advancement	08/18/2016	03/01/2020
Helen Halt	Staff	Admissions	Assistant Director of Admissions	06/15/2015	02/07/2020
Robert Harry	Staff	Public Safety & Police Services	Public Safety Officer	02/06/2017	02/16/2020
Jeffrey Hoffman	Staff	Facilities Management	Custodian	01/13/2020	03/07/2020
Emily Hoffmiller	Staff	Financial Aid Administration	Financial Aid Manager	02/01/2016	02/21/2020
Adam Johnson	Staff	Office of Advancement	Director of Advancement	07/17/2006	02/12/2020
Marcus Johnson	Staff	Public Safety & Police Services	Sergeant	11/09/2012	01/26/2020
Nicholas Kapatoss	Staff	General Athletics	Assistant Director Athletic Communications	08/13/2018	02/27/2020
Donald Lusty	Staff	Public Safety & Police Services	Public Safety Officer	10/23/2017	02/16/2020
Cori Massoglia	Staff	Merchandising Operations	Office Assistant 5	01/18/2016	03/06/2020
Amy Mensch	Staff	Human Resources	Executive Assistant	02/03/2014	02/04/2020
Desiree Paavola	Staff	Financial Services & Operations	Accountant	06/17/2019	02/07/2020
Isaac Stone	Staff	Sports & Recreation Operations	Trails Operations Coordinator	09/09/2019	02/16/2020
Kathryn Van Susante	Staff	Graduate School	Digital Content & Programs Manager	07/01/2019	03/24/2020

## **VII-C. FUNDRAISING PRODUCTIVITY REPORT**

Attached is a fiscal year to date comparative report of gifts to Michigan Technological University and the Michigan Tech Fund.

**RECOMMENDATION:** That the Board of Trustees acknowledges the gifts to Michigan Technological University.

**Michigan Technological University**  
**Michigan Tech Fund**  
**Fundraising Productivity Report**  
July 1, 2019 through March 31, 2020 Compared  
to Prior Year

Source	FY20 YTD Total	FY19 YTD Total	FY19 Total
Individuals - Major Gifts (25K and up)	3.04	5.97	7.09
Full Value New Planned Gift Commitments	8.67	13.00	14.69
Annual Giving	2.02	3.84	2.76
Corporate Sponsored Research	7.62	10.99	14.75
Corporations	2.16	1.27	1.73
Foundations & Other Organizations	1.54	.24	1.58
Gifts-in-Kind	.54	1.13	1.14
<b>Total</b>	<b>25.59</b>	<b>36.44</b>	<b>43.74</b>
Realized Planned Gifts	.18	1.10	3.20
<b>Grand Total</b>	<b>25.77</b>	<b>37.54</b>	<b>46.94</b>

- Except for Annual Giving, all totals include outright gifts and the full amount of new pledge commitments
- Annual Giving includes cash from prior year pledges in addition to outright current year gifts and new pledge commitments due current year
- An individual's gifts given through another source (i.e. family foundation or closely held business) are credited to the individual

#### **VII-D. APPROVAL OF EXTERNAL AUDITOR**

The University's external auditors (certified public accountants) perform interim audit work prior to the close of our June 30 fiscal year, therefore, it is desirable that they be appointed prior to the end of the fiscal year.

**RECOMMENDATION:** That the Board of Trustees authorizes the Treasurer to engage the certified public accounting firm Andrews Hooper Pavlik, PLC to conduct the following audits for the fiscal year ending June 30, 2020:

1. The annual examination of the University's Financial Statements and Supplemental Information (all funds).
2. The annual examination of federal awards and federal student financial assistance programs, including Pell Grants, Education Opportunity Grants, Perkins Loans, College Work Study Programs and Part B Loans.
3. The financial audit of the University's intercollegiate athletics programs, as mandated by the National Collegiate Athletics Association.
4. The subsequent event review procedure for the State of Michigan Comprehensive Annual Financial Report.

#### **VII-E. Temporary Suspension of Board Bylaw 1.13**

Board of Trustees Bylaw - 1.13 Attending by Phone

A member of the Board may participate in a meeting by means of conference telephone or similar communications equipment only if the members attending by phone or electronic means can both hear and communicate with all other members participating and all other members can hear and communicate with the member(s) attending by phone or electronic means. Participation in a meeting pursuant to this provision shall constitute attendance at the meeting. No formal session may be held unless at least three of the Board members participating are physically present at the session.



## VIII. ACTION AND DISCUSSION ITEMS

- A. Employee Recognition, Brenda Ryan, Chair
- B. Appointment, not involving tenure and/or promotion
- C. Appointment, involving tenure and/or promotion
- D. Associate Professors with tenure to Full Professors with tenure
- E. Emeritus Rank, Jackie Huntoon, Provost
  - a. Dr. Dieter Adolphs, Humanities, Professor Emeritus
  - b. Dr. Theodore Bornhorst, Geological & Mining Eng. & Sciences, Professor Emeritus
  - c. Dr. Ann Maclean, College of Forest Resources & Environmental Sci., Professor Emerita
- F. New BS in Ecology & Evolutionary Biology
- G. New BS in Math + Computer Science
- H. New BS in Mechatronics
- I. New BS in Robotics Engineering
- J. New BS in Sustainable Bioproducts with Concentrations in Bioproducts Business, Sustainable Construction, and Circular Economy (40-20)
- K. Master of Science in Electrical and Computer Engineering (48-20)
- L. Change MS Degree Title from Industrial Archaeology to Industrial Heritage and Archaeology
- M. Change the Name of the Bachelor of Science in Surveying Engineering to Bachelor of Science in Geospatial Engineering
- N. Elimination of BS in Computer Systems Science
- O. Elimination of BS in Industrial Technology
- P. Elimination of Masters of Engineering: Civil Engineering
- Q. Elimination of Masters of Engineering: Environmental Engineering
- R. Revision to Board Policy 7.2
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## **VIII-A. EMPLOYEE RECOGNITION**

For our employees that have worked for Michigan Tech for 35 or more years and in recognition of their distinguished service and outstanding contributions to Michigan Tech, the Board would like to honor them with a resolution of appreciation.

**RECOMMENDATION:** That the Board of Trustees adopts the Resolution of Appreciation for the following individuals:

- 1.) Dieter Adolphs – 35 years of service
- 2.) Andrea Longhini – 37 years of service
- 3.) Duane Puuri – 36 years of service

### **VIII-B. APPOINTMENTS, NOT INVOLVING TENURE AND/OR PROMOTION**

The departments, with the support of the college or school, have requested that the individuals listed herein be granted faculty appointments. The administration has reviewed these faculty appointments and supports the recommendations of the departments.

**RECOMMENDATION:** That the Board of Trustees approves the appointments listed herein. The appointments do not include tenure or promotion.



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

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**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost and Senior Vice President for Academic Affairs

**DATE:** May 4, 2020

**SUBJECT:** Tenure-Track Faculty Appointment Recommendations

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In accordance with Board of Trustees Policy 2.2, Duties and Powers of the President, I am submitting the following faculty appointment recommendations for your review and subsequent approval by the Board of Trustees at their meeting on May 20, 2020.

**Appointment without Tenure for Two Years  
Effective August 17, 2020**

Jenny Apriesnig	Assistant Professor	College of Business
Laura Connolly	Assistant Professor	College of Business
Rebecca Ong	Assistant Professor	Chemical Engineering
Lei Pan	Assistant Professor	Chemical Engineering
Cory McDonald	Assistant Professor	Civil & Environmental Engineering
David Labyak	Assistant Professor	Manufacturing & Mechanical Eng. Tech.
Sajjad Bigham	Assistant Professor	Mechanical Eng. – Eng. Mechanics
Darrell Robinette	Assistant Professor	Mechanical Eng. – Eng. Mechanics
Trisha Sain	Assistant Professor	Mechanical Eng. – Eng. Mechanics
Zequn Wang	Assistant Professor	Mechanical Eng. – Eng. Mechanics
Kristin Brzeski	Assistant Professor	College of Forest Resources & Env. Sci.
Matthew Kelly	Assistant Professor	College of Forest Resources & Env. Sci.
Carsten Kuelheim	Associate Professor	College of Forest Resources & Env. Sci.
Xinfeng Xie	Assistant Professor	College of Forest Resources & Env. Sci.
Paul Goetsch	Assistant Professor	Biological Sciences
Xiaohu Tang	Assistant Professor	Biological Sciences
Carolyn Duncan	Assistant Professor	Kinesiology & Integrative Physiology
John Gruver	Assistant Professor	Mathematical Sciences
Zeying Wang	Assistant Professor	Mathematical Sciences
Sarah Scarlett	Assistant Professor	Social Sciences
Roman Sidortsov	Assistant Professor	Social Sciences
Shan Zhou	Assistant Professor	Social Sciences

**Appointment without Tenure for One Year  
Effective August 17, 2020**

Latika Gupta	Assistant Professor	College of Business
Roohollah (Radwin) Askari	Assistant Professor	Geological & Mining Eng. & Sciences
Andrew Fiss	Assistant Professor	Humanities

Formal notification of these decisions will be sent to each individual on Friday, May 4, 2020.

APPROVED:

\_\_\_\_\_  
Richard Koubek, President

\_\_\_\_\_  
Date

### **VIII-C. APPOINTMENTS, INVOLVING TENURE AND/OR PROMOTION**

The policy for granting tenure and/or promotion to faculty members requires that the process begin with deliberations in the candidate's department and proceed through the respective colleges and schools. Once approved, it is presented to the Provost, and if successful, to the President of the University. The candidates listed herein have met all the requirements and are being recommended for tenure and/or promotion.

**RECOMMENDATION:** That the Board of Trustees approves the appointments involving tenure and/or promotion listed herein.



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**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

**DATE:** April 30, 2020

**SUBJECT:** Appointment with Tenure Recommendation or Tenure and Promotion Recommendations

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In accordance with Board of Trustees Policy 6.4, Academic Tenure and Promotion, the following faculty members have been recommended for appointment and/or promotion with tenure. I have reviewed and support these recommendations and request that the Board of Trustees be asked to approve them at their May 20, 2020, meeting. If approved, the promotions will be effective August 17, 2020.

**Promotion from Assistant Professor without Tenure to  
Associate Professor with Tenure**

Jeffrey Wall	College of Business
Snehamoy Chatterjee	Geological & Mining Engineering & Sciences
Chad Deering	Geological & Mining Engineering & Sciences
Ye Sun	Mechanical Engineering-Engineering Mechanics
Yvette Dickinson	College of Forest Resources and Environmental Science
Erika Hersch-Green	Biological Sciences
Marina Tanasova	Chemistry
Yeonwoo Rho	Mathematical Sciences
Jae Yong Suh	Physics
Lisa Johnson de Gordillo	Visual and Performing Arts

**Promotion from Associate Professor without Tenure to  
Associate Professor with Tenure**

ElizabethVeinott	Cognitive and Learning Sciences
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APPROVED:

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Richard Koubek, President

05/01/20

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Date

#### **VIII-D. PROMOTIONS**

The policy for promotions of faculty members requires that the process starts with deliberations in the candidate's department and proceed through the respective colleges and schools. Once approved, it is presented to the Provost, and if successful, to the President of the University. The candidates listed herein have met all the requirements and have been approved for promotion.

**RECOMMENDATION:** That the Board of Trustees approves the promotions listed herein.





Office of the Provost and  
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**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

**DATE:** April 30, 2020

**SUBJECT:** Promotion Recommendations

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In accordance with Board of Trustees Policy 6.4, Academic Tenure and Promotion, the following faculty members have been recommended for promotion. I have reviewed and support these recommendations and request that the Board of Trustees be asked to approve them at their May 20, 2020, meeting. If approved, the promotions will be effective August 17, 2020.

**Promotion from Associate Professor with Tenure to  
Professor with Tenure**

Jean Mayo	Computer Science
Bruce Lee	Biomedical Engineering
Feng Zhao	Biomedical Engineering
Caryn Heldt	Chemical Engineering
Thomas Oommen	Geological & Mining Engineering & Sciences
Shiliang Wu	Geological & Mining Engineering & Sciences
Michael Bowler	Humanities
Diane Shoos	Humanities
Megan Frost	Kinesiology and Integrative Physiology
Stefaan DeWinter	Mathematical Sciences
Adam Wellstead	Social Sciences
Richelle Winkler	Social Sciences

APPROVED:

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Richard Koubek, President

05/01/20

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Date

## VIII-E. EMERITUS RANK

Recommendation for the granting of faculty emerita/emeritus status originates within the retiree's academic department and proceeds through the respective college and school. Once approved, the recommendation is presented to the Provost, and if successful, to the President of the University for presentation to the Board of Trustees.

**RECOMMENDATION:** That the Board of Trustees approves the following emeritus appointments:

- Dr. Dieter Adolphs, Humanities, Professor Emeritus
- Dr. Theodore Bornhorst, Geological & Mining Eng. & Sciences, Professor Emeritus
- Dr. Ann Maclean, College of Forest Resources & Environmental Sci., Professor Emerita



**TO:** Michigan Technological University Board of Trustees

**FROM:** Patricia Sotirin, Interim Chair  
Department of Humanities/School of Sciences & Arts




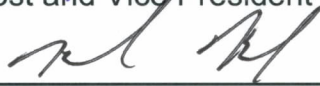
**DATE:** February 26, 2020

**SUBJECT:** Recommendation for Emeritus Status

The faculty of the Department of Humanities/School of Sciences & Arts voted on February 26, 2020 to request that the Michigan Technological University Board of Trustees name Dr. Dieter Adolphs as Professor Emeritus upon his retirement on February 16, 2020.

In his 34 years in Humanities at Michigan Tech, Dr. Adolphs has been central to the development and success of the Modern Language program, serving for many years as Modern Language Director and as the advisor for the International Minor. He was a co-PI on a large NEH grant that launched the capstone language seminar and set the infrastructure for the current management of our language programs. He was coordinator of the German curriculum. In addition, he taught both German and Philosophy courses including his well-known graduate seminar in Critical Theory. He chaired 6 graduate committees and served on 15 committees in total. He also served the department as the RTC Director, arranged the graduate exchange program with Dortmund University in Germany, and was Senator at Large for four years. At the university level, he served as the General Education Goal 8 Chair and recently brought the conference of the American Society for Exile Studies to campus. His scholarship includes numerous peer-reviewed publications on German critical philosophy, many published with international presses.

**Approved**

 _____ Department Chair/School Dean	<u>2-26-2020</u> Date
 _____ College Dean	<u>2-26-20</u> Date
 _____ Provost and Vice President for Academic Affairs	<u>02 Mar 2020</u> Date
 _____ President	<u>3/9/20</u> Date



**TO:** Michigan Technological University Board of Trustees

**FROM:** John S. Gierke, Professor & Chair  
Department of Geological & Mining Engineering & Sciences (GMES)

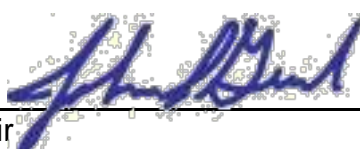
**DATE:** 14 April 2020

**SUBJECT:** Recommendation for Emeritus Status

The faculty of the Department of Geological & Mining Engineering & Sciences voted on 31 March 2019 to request that the Michigan Technological University Board of Trustees name Theodore J. Bornhorst as Professor Emeritus upon his retirement on 30 January 2020

Dr. Theodore J. Bornhorst joined the Department of Geological Engineering, Geology & Geophysics in August 1980, rising through the ranks to full professor and subsequently serving as department chair from 1998-2003. He then became the director of the A.E. Seaman Mineral Museum, serving recently as the executive director, starting in 2015. During his 33-plus years as an active faculty member in GMES, he contributed to the Department's educational and research programs in field geology, petrology, mineralogy, and mining geology. Past governors of Michigan solicited his expertise in management of radioactive waste and in metal mining, among other advising services to the State of Michigan. He has made outstanding contributions to Lake Superior geology, receiving the Institute on Lake Superior Geology 2008 Goldich Medal and a commendation by former Governor Granholm for service in enacting Michigan's Sulfide Mining Act in 2004. While serving as the director and executive director of the world class A.E. Seaman Mineralogical Museum, he continued to teach and supervise graduate students Dr. Bornhorst has held a number of editorships and organized conferences. He has published highly regarded field guides to foster public awareness and appreciation of the Keweenaw geology.

**Approved**

  
 \_\_\_\_\_  
 Department Chair

14 April 2020  
 \_\_\_\_\_  
 Date

\_\_\_\_\_  
 College Dean

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Provost and Senior Vice President for Academic Affairs

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 President

\_\_\_\_\_  
 Date



**TO:** Michigan Technological University Board of Trustees

**FROM:** Andrew Storer, Dean College of Forest Resources and Environmental Science

**DATE:** March 3, 2020

**SUBJECT:** Recommendation for Emeritus Status

The faculty of the College of Forest Resources and Environmental Science voted unanimously on March 2, 2020, to request that the Michigan Technological University Board of Trustees name Ann Maclean as Professor Emerita upon her retirement on May 2, 2020.

Dr. Maclean earned her PhD in Environmental Remote Sensing/Forestry from the University of Wisconsin, Madison in 1987, and holds Master's of Science degrees from UW Madison in Environmental Remote Sensing and in Forestry. Her bachelor's degree in Forestry was earned at Michigan Tech. Dr. Maclean has been a faculty member at Michigan Tech since 1987 and has an extensive background of teaching and research in the geospatial sciences.

Dr. Maclean has been instrumental in keeping Michigan Tech at the forefront of teaching and research in geospatial sciences in the fields of forestry and natural resources. She has worked to maintain high quality geospatial science training in all our undergraduate degree programs and on the development of the Masters in Geographic Information Science degree. She remains active in research through her work on the Riparian Area Buffer Delineation Model. Her service to the College has been extensive as well as very valuable. She recently served as the Director of Graduate Studies, has served on the Tenure, Promotion and Reappointment Committee on multiple occasions, and chaired a number of faculty search committees. She plans to remain connected to the College and her research after retirement.

**Approved**

\_\_\_\_\_  
Department Chair/School Dean

\_\_\_\_\_  
College Dean

\_\_\_\_\_  
Provost and Senior Vice President for Academic Affairs

\_\_\_\_\_  
President

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

### **VIII-F. New BS in Ecology and Evolutionary Biology**

The faculty of the Department of Biological Sciences within the College of Sciences and Arts at Michigan Technological University seek to establish a Bachelor's of Science Degree in Ecology and Evolutionary Biology degree.

The mission of this degree is to prepare students with immersive training in the fundamental science of Ecology and Evolutionary Biology and guide them in their discovery of the nature, dynamics, and principles of ecological and evolutionary systems. It is our mission for graduates of this degree program to be prepared to further understanding of the principles that structure and unite the fields of ecology and evolutionary biology to solve problems of the natural world into the future.

**RECOMMENDATION:** That the Board of Trustees approves the Bachelor's of Science in Ecology and Evolutionary Biology degree.



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

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**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

**DATE:** March 6, 2020

**SUBJECT:** Senate Proposal 24-20

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Attached is Senate proposal 24-20, "Proposal for a Bachelor of Science Degree Program in Ecology and Evolutionary Biology," and a memo stating the Senate passed this proposal at their March 4, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

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Richard Koubek, President

04/14/20

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Date



**Michigan Tech**

*University Senate*

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**DATE:** March 5, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 24-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

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At its meeting on March 4, 2020, the University Senate approved Proposal 24-20, “Proposal for a Bachelor of Science Degree Program in Ecology and Evolutionary Biology”. Feel free to contact me if you have any questions.





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**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

*Jacqueline E. Huntoon*

**DATE:** December 13, 2019

**SUBJECT:** Senate Proposal 2-20

Attached is Senate proposal 2-20, "Proposal for a new Bachelor of Science degree in Mathematics and Computer Science," which the Senate passed at their December 11, 2019 meeting. I have reviewed this proposal and recommend approving it.

I concur X do not concur \_\_\_\_\_ with this recommendation.

Richard Koubek, President

12/16/19

Date



**Michigan Tech**

*University Senate*

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**DATE:** December 12, 2019  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Resolution 2-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

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At its meeting on December 11, 2019, the University Senate approved Proposal 2-20, "Proposal for a new Bachelor of Science degree in Mathematics and Computer Science". Feel free to contact me if you have any questions.



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**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs


*Jacqueline E. Huntoon*

**DATE:** March 27, 2020

**SUBJECT:** Senate Proposal 32-20

Attached is Senate proposal 32-20, "Bachelor of Science in Mechatronics," and a memo stating the Senate passed this proposal at their March 25, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

  
\_\_\_\_\_  
Richard Koubek, President

03/30/2020

\_\_\_\_\_  
Date



**Michigan Tech**

*University Senate*

---

**DATE:** March 26, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 32-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

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At its meeting on March 25, 2020, the University Senate approved Proposal 32-20, "Bachelor of Science in Mechatronics". Feel free to contact me if you have any questions.



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

*Jacqueline E. Huntoon*

**DATE:** March 27, 2020

**SUBJECT:** Senate Proposal 25-20

Attached is Senate proposal 25-20, "Bachelor of Science in Robotics Engineering," and a memo stating the Senate passed this proposal at their March 25, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

Richard Koubek, President

03/30/2020

Date



**Michigan Tech**

*University Senate*

---

**DATE:** March 26, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 25-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on March 25, 2020, the University Senate approved Proposal 25-20, "Bachelor of Science in Robotics Engineering". Feel free to contact me if you have any questions.



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

*Jacqueline E. Huntoon*

**DATE:** April 24, 2020

**SUBJECT:** Senate Proposal 40-20

Attached is Senate proposal 40-20, "Proposal for a Bachelor of Science Degree in Sustainable Bioproducts with Concentrations in Bioproducts Business, Sustainable Construction, and Circular Economy," and a memo stating the Senate passed this proposal at their April 22, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

Richard Koubek, President

04/27/2020

Date



**Michigan Tech**

*University Senate*

---

**DATE:** April 23, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 40-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on April 22, 2020, the University Senate approved Proposal 40-20, “Proposal for a Bachelor of Science Degree in Sustainable Bioproducts with Concentrations in Bioproducts Business, Sustainable Construction, and Circular Economy”. Feel free to contact me if you have any questions.





Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

*Jacqueline E. Huntoon*

**DATE:** April 24, 2020

**SUBJECT:** Senate Proposal 48-20

Attached is Senate proposal 48-20, "Master of Science in Electrical and Computer Engineering," and a memo stating the Senate passed this proposal at their April 22, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

Richard Koubek, President

04/27/2020

Date



**Michigan Tech**

*University Senate*

---

**DATE:** April 23, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 48-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on April 22, 2020, the University Senate approved Proposal 48-20, “Master of Science in Electrical and Computer Engineering”. Feel free to contact me if you have any questions.



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

*Jacqueline E. Huntoon*

**DATE:** April 10, 2020

**SUBJECT:** Senate Proposal 37-20

Attached is Senate proposal 37-20, "Proposal to Change the Name of the Bachelor of Science in Surveying Engineering to Bachelor of Science in Geospatial Engineering," and a memo stating the Senate passed this proposal at their April 8, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

Richard Koubek, President

04/13/2020

Date



**Michigan Tech**

*University Senate*

---

**DATE:** April 9, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 37-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on April 8, 2020, the University Senate approved Proposal 37-20, “Proposal to Change the Name of the Bachelor of Science in Surveying Engineering to Bachelor of Science in Geospatial Engineering”. Feel free to contact me if you have any questions.

## **VIII-N. ELIMINATION OF BS IN COMPUTER SYSTEMS SCIENCE**

The University Senate at Michigan Technological University seeks to eliminate the Bachelor's of Science degree in Computer Systems Science (SCSY).

This program was shelved during spring semester 2015 and has not been sought to return. In following Senate procedure (414.1.1), programs that have been shelved for at least five years can be eliminated.

**RECOMMENDATION:** That the Board of Trustees approves the elimination of the Bachelor's of Science degree in Computer Systems Science (SCSY).



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs


*Jacqueline E. Huntoon*

**DATE:** March 6, 2020

**SUBJECT:** Senate Proposal 30-20

Attached is Senate proposal 30-20, "Elimination of Shelved Programs," and a memo stating the Senate passed this proposal at their March 4, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

  
\_\_\_\_\_  
Richard Koubek, President

04/14/2020  
\_\_\_\_\_  
Date



**Michigan Tech**

*University Senate*

---

**DATE:** March 5, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 30-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on March 4, 2020, the University Senate approved Proposal 30-20, “Elimination of Shelved Programs”. Feel free to contact me if you have any questions.

**University Senate of Michigan Technological University  
Proposal 30-20 (Voting Units: All)**

**Elimination of Shelved Programs**

As the following programs have been shelved for at least 5 years (shelved AY 2014-15 or earlier), it is proposed that the following programs be formally eliminated per senate procedure 414.1.1.

1. List of programs to be eliminated: title (program code) (shelving proposal #):
  - a. Health and Physical Education – Secondary Ed. Concentration (SEH2) ([34-11](#))
  - b. BS in Industrial Technology (TINT) ([35-11](#))\*
  - c. Mine Environmental Engineering Certificate (CMEE) ([36-11](#))
  - d. Design Engineering Certificate (CDE) ([37-11](#))
  - e. Advanced Certificate in Modern Language and Area Study (CAFR, CAGE, CASP) ([4-13](#))
  - f. Product Design Minor (EMPD) ([4-14](#))
  - g. Contemporary Culture Concentration (SCC4) ([33-14](#))
  - h. Media Concentration (SCC6) ([34-14](#))
  - i. Language and Diversity Concentration (SCC5) ([35-14](#))
  - j. Information Systems Concentration (SCS3) ([22-15](#))
  - k. **BS in Computer Systems Science (SCSY) ([23-15](#))\***
2. There are no enrolled students
3. Programs have been shelved for a minimum of five (5) years and there is no interest in reviving them.
4. There is no expected financial impact to the university.

\* denotes programs that would need to be sent to the state (MASU) for approval.



## **VIII-O. ELIMINATION OF BS IN INDUSTRIAL TECHNOLOGY**

The University Senate at Michigan Technological University seeks to eliminate the Bachelor's of Science degree in Industrial Technology (TINT).

This program was shelved during spring semester 2011 and has not been sought to return. In following Senate procedure (414.1.1), programs that have been shelved for at least five years can be eliminated.

**RECOMMENDATION:** That the Board of Trustees approves the elimination of the Bachelor's of Science degree in Industrial Technology (TINT).



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs


*Jacqueline E. Huntoon*

**DATE:** March 6, 2020

**SUBJECT:** Senate Proposal 30-20

Attached is Senate proposal 30-20, "Elimination of Shelved Programs," and a memo stating the Senate passed this proposal at their March 4, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

  
\_\_\_\_\_  
Richard Koubek, President

04/14/2020  
\_\_\_\_\_  
Date



**Michigan Tech**

*University Senate*

---

**DATE:** March 5, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 30-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on March 4, 2020, the University Senate approved Proposal 30-20, “Elimination of Shelved Programs”. Feel free to contact me if you have any questions.

**University Senate of Michigan Technological University  
Proposal 30-20 (Voting Units: All)**

**Elimination of Shelved Programs**

As the following programs have been shelved for at least 5 years (shelved AY 2014-15 or earlier), it is proposed that the following programs be formally eliminated per senate procedure 414.1.1.

1. List of programs to be eliminated: title (program code) (shelving proposal #):
  - a. Health and Physical Education – Secondary Ed. Concentration (SEH2) ([34-11](#))
  - b. **BS in Industrial Technology (TINT) ([35-11](#))\***
  - c. Mine Environmental Engineering Certificate (CMEE) ([36-11](#))
  - d. Design Engineering Certificate (CDE) ([37-11](#))
  - e. Advanced Certificate in Modern Language and Area Study (CAFR, CAGE, CASP) ([4-13](#))
  - f. Product Design Minor (EMPD) ([4-14](#))
  - g. Contemporary Culture Concentration (SCC4) ([33-14](#))
  - h. Media Concentration (SCC6) ([34-14](#))
  - i. Language and Diversity Concentration (SCC5) ([35-14](#))
  - j. Information Systems Concentration (SCS3) ([22-15](#))
  - k. **BS in Computer Systems Science (SCSY) ([23-15](#))\***
2. There are no enrolled students
3. Programs have been shelved for a minimum of five (5) years and there is no interest in reviving them.
4. There is no expected financial impact to the university.

\* denotes programs that would need to be sent to the state (MASU) for approval.

## **VIII-P. ELIMINATION OF MASTERS OF ENGINEERING: CIVIL ENGINEERING**

The University Senate at Michigan Technological University seeks to eliminate the Master's of Engineering degree in Civil Engineering (EGR3).

This program was shelved during fall semester 2014 and has not been sought to return. In following Senate procedure (414.1.1), programs that have been shelved for at least five years can be eliminated.

**RECOMMENDATION:** That the Board of Trustees approves the elimination of the Master's of Engineering degree in Civil Engineering (EGR3).



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

*Jacqueline E. Huntoon*

**DATE:** March 27, 2020

**SUBJECT:** Senate Proposal 38-20

Attached is Senate proposal 38-20, "Elimination of Shelved Programs," and a memo stating the Senate passed this proposal at their March 25, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

Richard Koubek, President

03/30/2020

Date



**Michigan Tech**

*University Senate*

---

**DATE:** March 26, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 38-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on March 25, 2020, the University Senate approved Proposal 38-20, "Elimination of Shelved Programs". Feel free to contact me if you have any questions.

**University Senate of Michigan Technological University**  
**Proposal 38-20**  
**(Voting Units: All)**

**Elimination of Shelved Programs**

As the following programs were originally shelved 5 years ago, it is proposed that they be formally eliminated per senate procedure 414.1.1.

1. List of programs to be eliminated: title (program code) (shelving proposal #):
  - a. Master's of Engineering: Civil Engineering (EGR3) ([7-15](#) & [18-19](#))\*
  - b. Master's of Engineering: Environmental Engineering (EGR4) ([8-15](#) & [20-19](#))\*
2. There are no enrolled students
3. Programs have been shelved for a minimum of five (5) years and there is no interest in reviving them.
4. There is no expected financial impact to the university.

\* denotes programs that would need to be sent to the state (MASU) for approval.



## **VIII-Q. ELIMINATION OF MASTERS OF ENGINEERING: ENVIRONMENTAL ENGINEERING**

The University Senate at Michigan Technological University seeks to eliminate the Master's of Engineering degree in Environmental Engineering (EGR4).

This program was shelved during fall semester 2014 and has not been sought to return. In following Senate procedure (414.1.1), programs that have been shelved for at least five years can be eliminated.

**RECOMMENDATION:** That the Board of Trustees approves the elimination of the Master's of Engineering degree in Environmental Engineering (EGR4).



Office of the Provost and  
Senior Vice President for Academic Affairs

Phone: (906) 487-2440  
Fax: (906) 487-2935

**TO:** Richard Koubek, President

**FROM:** Jacqueline E. Huntoon, Provost & Senior Vice President for Academic Affairs

*Jacqueline E. Huntoon*

**DATE:** March 27, 2020

**SUBJECT:** Senate Proposal 38-20

Attached is Senate proposal 38-20, "Elimination of Shelved Programs," and a memo stating the Senate passed this proposal at their March 25, 2020 meeting. I have reviewed this memo and recommend approving this proposal.

I concur  do not concur  with this recommendation.

Richard Koubek, President

03/30/2020

Date



**Michigan Tech**

*University Senate*

---

**DATE:** March 26, 2020  
**TO:** Richard Koubek, President  
**FROM:** Michael Mullins  
University Senate President  
**SUBJECT:** Proposal 38-20  
**COPIES:** Jacqueline E. Huntoon, Provost & Senior VP for Academic Affairs

---

At its meeting on March 25, 2020, the University Senate approved Proposal 38-20, "Elimination of Shelved Programs". Feel free to contact me if you have any questions.

**University Senate of Michigan Technological University**  
**Proposal 38-20**  
**(Voting Units: All)**

**Elimination of Shelved Programs**

As the following programs were originally shelved 5 years ago, it is proposed that they be formally eliminated per senate procedure 414.1.1.

1. List of programs to be eliminated: title (program code) (shelving proposal #):
  - a. Master's of Engineering: Civil Engineering (EGR3) ([7-15](#) & [18-19](#))\*
  - b. Master's of Engineering: Environmental Engineering (EGR4) ([8-15](#) & [20-19](#))\*
2. There are no enrolled students
3. Programs have been shelved for a minimum of five (5) years and there is no interest in reviving them.
4. There is no expected financial impact to the university.

\* denotes programs that would need to be sent to the state (MASU) for approval.

### **VIII-R. REVISION TO BOARD POLICY 7.2 Requirements for Graduation**

The current requirement that 30 of the last 36 credit hours be completed at Michigan Tech creates an unnecessary barrier for students who would otherwise be eligible to earn a Michigan Tech degree. The requirement that students complete 30 upper-level credits from Michigan Tech is sufficient to ensure that students earning a Michigan Tech degree have met the standards of rigor and educational quality expected from our graduates.

**RECOMMENDATION:** That the Board of Trustees amends Board Policy 7.2.

## REVISION TO BOARD POLICY 7.2 Requirements for Graduation

The requirement that 30 of the last 36 credit hours be completed at Michigan Tech creates an unnecessary barrier for students who would otherwise be eligible to earn a Michigan Tech degree. The requirement that students complete 30 upper-level credits from Michigan Tech is sufficient to ensure that students earning a Michigan Tech degree have met the standards of rigor and educational quality expected from our graduates.

**PURPLE** = ADD

**RED STRIKETHROUGH** = DELETE

### 7.2 Requirements for Graduation

The requirements for a student to receive a baccalaureate degree from Michigan Technological University are the following:

- ~~1. Thirty (30) of the last 36 semester credit hours of academic work to be applied to the degree must be completed at Michigan Technological University~~
2. 1. Thirty (30) semester credit hours of advanced level courses (3000 or higher) **which apply to the degree** must be completed at Michigan Tech.

The requirements for a student to receive a graduate degree from Michigan Technological University are the following:

1. A minimum of two-thirds of the required non-research course-work credits required for the degree must be taken through Michigan Tech. Ph.D. students must take at least 20 credits beyond the masters or 50 credits beyond the bachelors through Michigan Tech.
2. Research credits used to satisfy degree requirements must be taken through Michigan Tech and must be supervised by a member of Michigan Tech graduate faculty.
3. Some graduate programs may have other specific requirements.

Courses which meet the "at Michigan Tech" requirement are defined as courses that were taken as part of a university-approved study abroad program or as courses that are listed in the course catalog and taught by Michigan Tech faculty either on campus, at field locations, or through distance learning.

The President or the Provost and Senior Vice President for Academic Affairs, is authorized to grant exceptions to this requirement in extraordinary individual cases.

Degree programs with special requirements may apply for exemptions. The President or the Provost, and Vice President for Academic Affairs may grant such programmatic exemptions upon recommendation of the Senate.

### History

- 04/15/1966
- 01/28/1982

- 01/28/1989: Revised positions authorized to grant exceptions
- 03/17/1989: Clarified type of degree
- 05/17/1991: Revised in-residence work program
- 08/03/2000: Reflect the change in academic calendar from quarters to semesters
- 05/11/2001: Revised to provide a common standard of residency for all Michigan Tech baccalaureate degrees whether completed on campus or through distance learning.
- 07/15/2010: Was previously Policy 8.5. Renumbered and modified power to grant exceptions.
- 04/29/2016: Clarified “in-residence” courses and thirty credit hours at an advanced level toward degree program.
- 5/20/2020: Removed requirement that 30 of the last 36 hours must be completed at Michigan Tech to obtain degree.

### **VIII-S. ELECTION OF CHAIR AND VICE CHAIR**

The Bylaws of the Board of Trustees record that at the last meeting of the fiscal year, the Board shall elect a chair to take office at the first meeting in the following fiscal year. It further states that the Board shall also elect a vice chair to preside in the absence of the chair.

**RECOMMENDATION:** That the Board of Trustees elects a chair for the fiscal year 2020-2021; and that further, the Board elects a vice chair for the same period.



## **VIII-T. FY2021 GENERAL FUND OPERATING BUDGET**

The general fund budget was developed based on assumptions regarding tuition and state appropriations. However, when the State budget is approved by the Legislature, if there are changes from these assumptions, the Administration is requesting that the Board allow them the flexibility to revise the budget to reflect a change in appropriations and/or tuition cap while continuing to maintain a balanced budget.

**RECOMMENDATION:** That the Board of Trustees approves the FY2021 General Fund Operating Budget as presented, and authorizes the Administration to revise the general fund operating budget to reflect any changes in state appropriations and/or tuition cap while maintaining a balanced budget and informing the Board Audit and Finance Committee of any such changes that may be necessary.

Michigan Technological University  
Fiscal Year 2021 General Fund Budget

	Proposed Budget
	Fiscal Year 2021
<b>Operating Revenues</b>	
Tuition and Fees	\$ 131,211,217
Federal Grants and Contracts	2,450,000
State & Local Government Grants & Contracts	
Nongovernmental Grants & Contracts	-
Indirect Cost Recoveries	15,226,000
Educational Activities/Misc. Revenues	327,890
Student Resident Fees	
Sales and Services of Dept Activities	-
	\$ 149,215,107
<b>Operating Expenses</b>	
Staff S&W	\$ (38,993,336)
Faculty S&W	\$ (43,687,516)
Grad Student S&W	\$ (4,361,247)
Undergrad Student S&W	\$ (1,095,668)
Fringe Benefits	\$ (33,909,601)
Supplies & Services	\$ (13,444,847)
Scholarships	\$ (45,357,802)
Utilities	\$ (4,205,275)
Contingency/Carryforward Reserve	\$ (5,000,000)
	\$ (190,055,292)
<b>Transfers</b>	
Mandatory/Non-Mandatory	\$ (12,945,527)
<b>Nonoperating Revenues (Expenses)</b>	
State Appropriations	\$ 49,856,633
Gift Income	3,129,077
Investment Income	800,000
Interest Expense	
	\$ 53,785,710
Net Income (Loss)	\$ -

Michigan Technological University  
Proposed FY21 Tuition Rates

	Resident Undergraduate Lower Division		Non-Resident Undergraduate Lower Division	
	Tuition Rate Per Credit Hour <12 and >18	Plateau Tuition Rate 12 - 18 Credits	Tuition Rate Per Credit Hour <12 and >18	Plateau Tuition Rate 12 - 18 Credits
All Lower Division Undergraduate Students	\$609.00	\$8,065.00	\$1,349.00	\$18,216.00

NOTE: English Second Language Rate: \$675.00/Cr. Hr.

	Resident Undergraduate Upper Division		Non-Resident Undergraduate Upper Division	
	Tuition Rate Per Credit Hour <12 and >18	Plateau Tuition Rate 12 - 18 Credits	Tuition Rate Per Credit Hour <12 and >18	Plateau Tuition Rate 12 - 18 Credits
Engineering, Computer Science, Computer Network & Systems Admin., Surveying Engineering Majors	\$809.00	\$9,794.00	\$1,590.00	\$20,451.00
Forest Resources, Environmental Science, Biological Sciences, Chemistry, Kinesiology & Integrative Physiology, Cognitive & Learning Sciences, Physics, Construction Management, Electrical Engineering Technology, Mechanical Engineering Technology Majors	\$701.00	\$9,109.00	\$1,470.00	\$19,663.00
Business, Economics, Humanities, Mathematical Sciences, Social Sciences, Visual & Performing Arts Majors	\$678.00	\$8,920.00	\$1,444.00	\$19,483.00

NOTE: Per Credit Hour Rate Will Apply To Undergraduate Students Enrolled Summer Semester

Resident & Non-Resident Graduate Students

	Tuition Rate Per Credit Hour & Fees
Standard Per Credit Hour Rate Non-Engineering/Computer Science	\$1,131.00
Standard Per Credit Hour Rate Engineering/Computer Science	\$1,285.00
National Service Graduate Tuition Rate - Non-Engineering/Computer Science	\$759.00
National Service Graduate Tuition Rate - Engineering/Computer Science	\$861.00
Graduate Students who are in Research Mode Non-Engineering/Computer Science	\$373.00
Graduate Students who are in Research Mode Engineering/Computer Science	\$424.00

#### **VIII-U. FY2021 ROOM AND BOARD AND APARTMENT RENTAL RATES**

Michigan Tech Housing & Residential Life, Facilities Management, and Dining Services are committed to providing exceptional facilities and an aesthetically pleasing on-campus community that values academic success and friendship. Our on-campus community includes high quality and diversified dining services and housing alternatives that offer opportunities for learning and personal growth in a safe and comfortable environment.

The recommended schedule of residence hall room and board rates, Hillside Place Apartments rates and Daniell Heights Apartments rates for FY2021 are included herein.

Housing & Residential Life, Facilities Management and Dining Services are recommending approval of these rates, with the confidence our staff will continue to provide the type of innovative management and student development that has permitted Michigan Tech to attract, retain and support a world-class student population.

**RECOMMENDATION:** That the Board of Trustees approves the recommended residence hall housing and meal, as well as apartment rental rates for FY2021.

## Housing and Dining Rates 2020 - 2021

### Douglass Houghton Hall, McNair Hall, Wadsworth Hall

Occupancy Dates: August 22, 2020 - December 19, 2020 and January 9, 2021 - May 1, 2021

Housing (Regular Occupancy) and Dining	2019-2020 Housing & Unlimited Dining	Proposed Increase	2020-2021 Housing & Unlimited Dining	Percent Change
<b>Wadsworth Hall and McNair Hall</b>				
*Double Occupancy	\$ 10,974	\$ 310	\$ 11,284	2.82%
Single Occupancy	\$ 12,431	\$ 310	\$ 12,741	2.49%
Triple/Quad Occupancy	\$ 10,788	\$ 155	\$ 10,943	1.44%
<b>Wadsworth Hall w/ private bath</b>				
Double Occupancy	\$ 11,718	\$ 310	\$ 12,028	2.65%
Single Occupancy	\$ 13,516	\$ 310	\$ 13,826	2.29%
<b>Douglass Houghton Hall</b>				
Standard Occupancy (Double and Quad)	\$ 10,788	\$ 310	\$ 11,098	2.87%
Single Occupancy	\$ 12,431	\$ 310	\$ 12,741	2.49%
Housing (Reduced/Temporary Occupancy) and Dining	2019-2020 Housing & Unlimited Dining	Proposed Increase	2020-2021 Housing & Unlimited Dining	Percent Change
Temporary Housing	\$ 9,114	\$ 310	\$ 9,424	3.40%
Quad to 2	\$ 11,284	\$ 310	\$ 11,594	2.75%
Quad to 3/Triple to 2	\$ 10,912	\$ 310	\$ 11,222	2.84%
Triple to 1	\$ 12,431	\$ 310	\$ 12,741	2.49%
Wads Quad to 2	\$ 11,377	\$ 310	\$ 11,687	2.72%
Wads Quad to 3	\$ 11,191	\$ 310	\$ 11,501	2.77%
Triple Suite to 2	\$ 12,121	\$ 310	\$ 12,431	2.56%
DHH Quad Suite to 3	\$ 12,121	\$ 310	\$ 12,431	2.56%

Unlimited Gold dining plan has \$200 dining dollars and 8 guest meal swipes per semester. Unlimited Silver dining plan has \$100 dining dollars and 4 guest meal swipes per semester, as shown above, minus \$248. Guest meal swipes expire at the end of the semester. Dining Dollars carry over from fall to spring semester. Dining Dollars expire at the end of the spring semester.

\* Rate reported to US Department of Education Integrated Postsecondary Education Data System

### Hillside Place Residence Hall

Occupancy Dates: August 22, 2020 - December 19, 2020 and January 9, 2021 - May 1, 2021

Single Bedroom and Meal Rate	2019-2020 Housing & 150 Block Dining	Proposed Increase	2020-2021 Housing & 150 Block Dining	Percent Change
Single Bedroom in Shared Apartment	\$ 11,910	\$ 235	\$ 12,145	1.97%
Single Bedroom Apartment	\$ 12,685	\$ 235	\$ 12,920	1.85%

Current Hillside Place contracts that renew are eligible to renew the 75 Meal Block meal plan, rate as recommended above, minus \$1,086.

Block meal plans are only available for the Hillside Place. Meals expire at the end of each semester. Unlimited Dining plan is available.

### Daniell Heights Apartments

Lease Agreement Dates: July 1, 2020 to June 30, 2021 or August 15, 2020 to June 30, 2021

Monthly Rental Rate	2019-2020	Proposed Increase	2020-2021	Percent Change
<b>Student Rates</b>				
One Bedroom	\$ 720	\$ 10	\$ 730	1.39%
Two Bedroom	\$ 1,020	\$ 20	\$ 1,040	1.96%
Three Bedroom	\$ 1,290	\$ 30	\$ 1,320	2.33%
<b>University Employee Rates</b>				
One Bedroom	\$ 900	\$ 10	\$ 910	1.11%
Two Bedroom	\$ 1,115	\$ 20	\$ 1,135	1.79%
Three Bedroom	\$ 1,425	\$ 30	\$ 1,455	2.11%

## VIII. V. REVISION TO BOARD POLICY 8.9

The Experience Tech Fee was implemented in 2008, with the purpose of providing all Michigan Tech students access to a variety of venues and experiences that improve their overall well-being, while also supporting the operational costs and facility improvements across the Experience Tech venues. The Fee supports the Tech Forward Initiatives of Diversity and Inclusion and Health and Quality of Life by providing students a diverse offering of cultural events and opportunities to develop healthy lifestyle habits through recreational activities unique to our area and a culture that is vibrantly learning through living.

The Experience Tech Fee Review Group, comprised of representatives from the Undergraduate Student Government (USG), the Graduate Student Government (GSG), faculty, and staff was formed to review the program and is recommending that the program continue.

For FY2021, the group is recommending that the fee be set to \$76.00 (up from \$74.00) per fall and spring semesters for graduate students and to \$93.00 (up from \$90.00) for undergraduate students. This represents an increase of \$2.00 and \$3.00 per semester respectively. The last increase to the fee occurred in fall of 2014, nearly six years ago. In addition, it is also recommended that future fee adjustments be considered with tuition rate adjustments for first-time, in-state freshmen students entering the institution.

The recommended changes of the increased fee, and future year fee increases have the support of both the USG and the GSG.

**RECOMMENDATION:** That the Board of Trustees amends policy 8.9 Experience Tech Fee as presented herein, effective Fall Semester 2020.

## PROPOSED CHANGES TO EXPERIENCE TECH FEE POLICY 8.9

### Current Policy:

(Red line version adjusted with additions shown in **BOLD** and eliminated language deleted with ~~STRIKETHROUGH~~)

### 8.9 Experience Tech Fee

**Beginning in FY2021**, the President is authorized to **make adjustments to the fee structure and** assess an Experience Tech Fee of ~~\$90.00~~ **93.00** in each of the fall and spring semesters for each enrolled undergraduate student and ~~\$74.00~~ **76.00** in each of the fall and spring semesters for each enrolled graduate student. **Future year fees will be considered for increase at the same time as tuition is revisited for first-time, in-state freshmen students entering the institution.** The fee is to improve student access to facilities and events to include, **and includes but is not limited to**, Mont Ripley Ski Hill, Intramural Sports, Portage Lake Golf Course, Gates Tennis Center, Visual and Performing Arts Department events and Hockey Games, Michigan Tech Trails and Recreational Forest, the Rozsa Center for the Performing Arts presenting series, **Outdoor Adventure Programs, and Student Health and Wellness.**

The Fee is designed to replace revenue from individual student ticket sales and fees to support their operational costs. Procedures for the distribution of funds will be established by the Vice President for Student Affairs in consultation with Student Government.

A limited number of exceptions in assessing the fee may be made by the President or the President's designate for university employees and/or graduate students not on the main campus.

Students not enrolled in courses on the main campus, University employees and/or Senior Citizens who are not assessed the fee are not eligible to receive the associated benefits.

The amended policy shall read as follows:

### 8.9 Experience Tech Fee

Beginning in FY2021, the President is authorized to make adjustments to the fee structure and assess an Experience Tech Fee of \$93.00 in each of the fall and spring semesters for each enrolled undergraduate student and \$76.00 in each of the fall and spring semesters for each enrolled graduate student. Future year fees will be considered for increase at the same time as tuition is revisited for first-time, in-state

freshmen students entering the institution. The fee is to improve student access to facilities and events to include, and includes but is not limited to, Mont Ripley Ski Hill, Intramural Sports, Portage Lake Golf Course, Gates Tennis Center, Visual and Performing Arts Department events and Hockey Games, Michigan Tech Trails and Recreational Forest, the Rozsa Center for the Performing Arts presenting series, Outdoor Adventure Programs, and Student Health and Wellness.

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Students not enrolled in courses on the main campus, University employees and/or Senior Citizens who are not assessed the fee are not eligible to receive the associated benefits.



## VIII-W. MICHIGAN COUNCIL FOR THE ARTS AND CULTURAL AFFAIRS

The Rozsa Center for the Performing Arts has prepared a proposal for submission to the Michigan Council for the Arts and Cultural Affairs. The funds requested in this proposal will support the costs associated with artist fees for the annual Presenting Series as well as partially support the following:

- Anchorage; a collaboration between the a Rozsa Center and Rabbit Island Artists in Residence, choreographer Yoshito Samuraba of Abakuras Dance and composer Na'ama Zisser (Oct 16, 2020)
- The Rocky Horror Picture Show (film, October 31, 2020)
- Doodle Pop! (Class Acts, November 12, 2020)
- Comedian Matt Bellasai (November 14, 2020)
- Danu; Emerald Isle Christmas (December 6, 2020)
- A Simple Space (February 20, 2021)
- Audiopharmacy (reschedule March 19, 2021)
- Vieux Farka Touré (rescheduled March 20, 2020)
- Raphael Xavier (masterclasses and performances April 7-10, 2021)

The amount of the grant request is \$30,000.

The Michigan Council for the Arts and Cultural Affairs requires that proposals submitted to them for funding be authorized by the Board of Trustees.

**RECOMMENDATION:** That the Board of Trustees endorse the proposal from the Rozsa Center for the Performing Arts for submission to the Michigan Council for the Arts and Cultural Affairs.

## **IX. REPORTS**

- A. Contributions to the Battle Against COVID-19 – Dave Reed, Vice President for Research
- B. Undergraduate Student Government – Larkin Hooker-Moericke, President
- C. Graduate Student Government – Apurva Baruah, President and Nathan Ford, President Elect
- D. University Senate – Michael Mullins, President

# Contributions to the Battle Against Covid-19

David Reed

Vice President for Research

May, 2020



# Outline

- Covid testing lab
- MTU decontaminator
- 3D printed PPE
- 3D printed swabs and viral transport media
- Continuity of ventilation
- Evaluation of PPE filtering efficiency



# Covid-19 Testing Lab

- In 3 weeks, faculty and staff created a certified lab for human diagnostic testing for Covid-19
- Lab Dir Dr. Cary Gottlieb from St Francis in Escanaba, Caryn Heldt and David Dixon, led a group of over 20 faculty and staff from BIO, BME, CHE, and CFRES with support from Facilities, FSO, IT, and others
- Capacity of up to 200 samples per day to serve the UP community and support return to residential campus in the fall



# MTU Decontaminator

- Convert a refrigerated shipping container into a heated unit for decontaminating PPE
- Led by Andrew Barnard and Jeffrey Allen with students, faculty and staff from GLRC, COE, MEEM, MMET, Gov Rel and outside organizations Therm-Tron-X, Healthy Ridge Farms, and Aire Care and Michigan National Guard



# 3D Printing of PPE and Nasal Swabs

- 3D printing of PE for local health care providers and swabs for patient testing.
- Led by Dr. Joshua Pearce and supported by MSE, BME, and the Library, this group has manufactured over 2,000 face shields for local health care providers and law enforcement
- Working with local physicians to design and manufacture swabs, a limiting factor in patient testing





# Helping Alleviate the Personal Protective Equipment (PPE) Shortage with 3D Printing

Institution: [Michigan Technological University](#)

Funders (10)

Views (186)

## Why This Project Is Important

Personal Protective Equipment (PPE) helps to ensure safety of first responders and medical staff. The current pandemic has severely disrupted the supply of PPE creating shortages and rationing of materials on the front lines of our community response. To address this problem, the open source community and Michigan Tech are stepping in to develop, manufacture, and supply PPE. The manufactured PPE is donated to first responders, the [Western Upper Peninsula Health Department \(WUPHD\)](#), and other fitting organizations that ask directly for support. This ensures minimal barriers to asking for and delivering equipment within our community. This project funds that effort.

## Project Description

Personal Protective Equipment (PPE) is a vital resource for first responders and medical staff throughout our community. Working with the [Western Upper Peninsula Health Department \(WUPHD\)](#), we have modified open source designed equipment to meet the needs of the local community and are printing and assembling them in laboratories across campus. This equipment is donated to local first responders and health organizations who express a need.

The product design in current production is a face shield, meeting the specifications developed with the WUPHD. In development with the [National Institute of Health \(NIH\)](#) is a more durable and complex filtered face mask printable on a 3D printer and assembled using commonly available materials.

We have an articulated demand for many hundreds of face shields a week and have thus far been able to meet the demand, supplying thousands into the community already! Each face shield requires just over a dollar of materials when fully assembled and the face masks a good bit more.

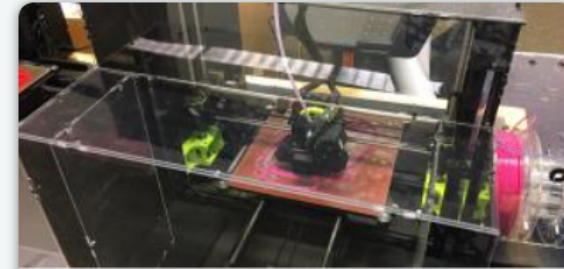
To discuss your PPE needs, please contact David Holden at [doholden@mtu.edu](mailto:doholden@mtu.edu).

## Meet the Researchers



### Joshua Pearce

Richard Witte Professor of Materials Science & Engineering and Electrical & Computer Engineering at the Michigan Technological University.  
Director of the Open Sustainability Technology Research Group and



\$556

of \$10,000 fund goal

*The average donation for this project is \$56*

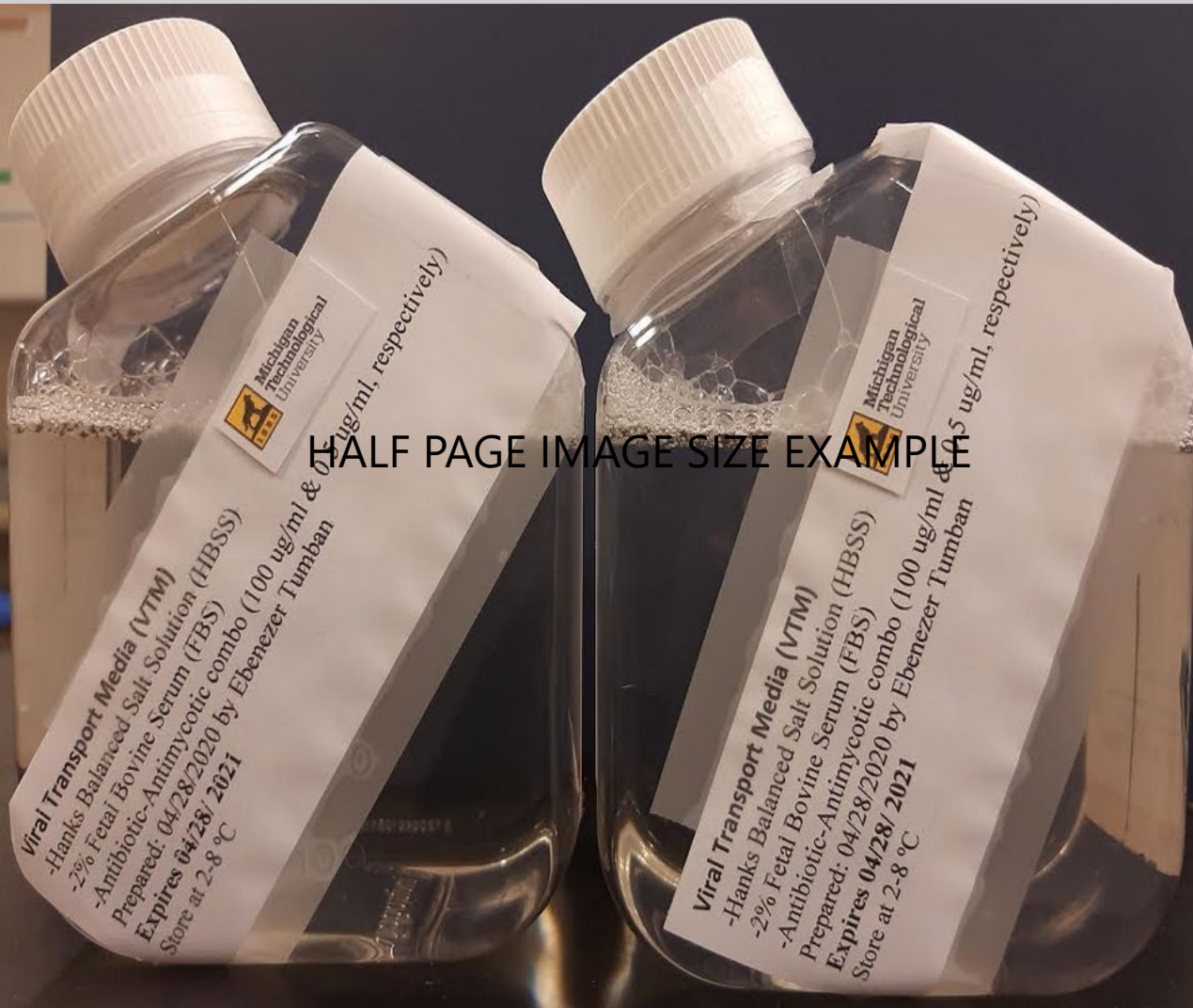
77 days left | 6% funded | \$50 last

**CONTRIBUTE NOW**

### What Your Donation Can Help Us Do:

- Purchase materials to produce PPE
- Distribute PPE

*Although there are no rewards for this project, all donors will receive an email receipt with tax-deduction information.*

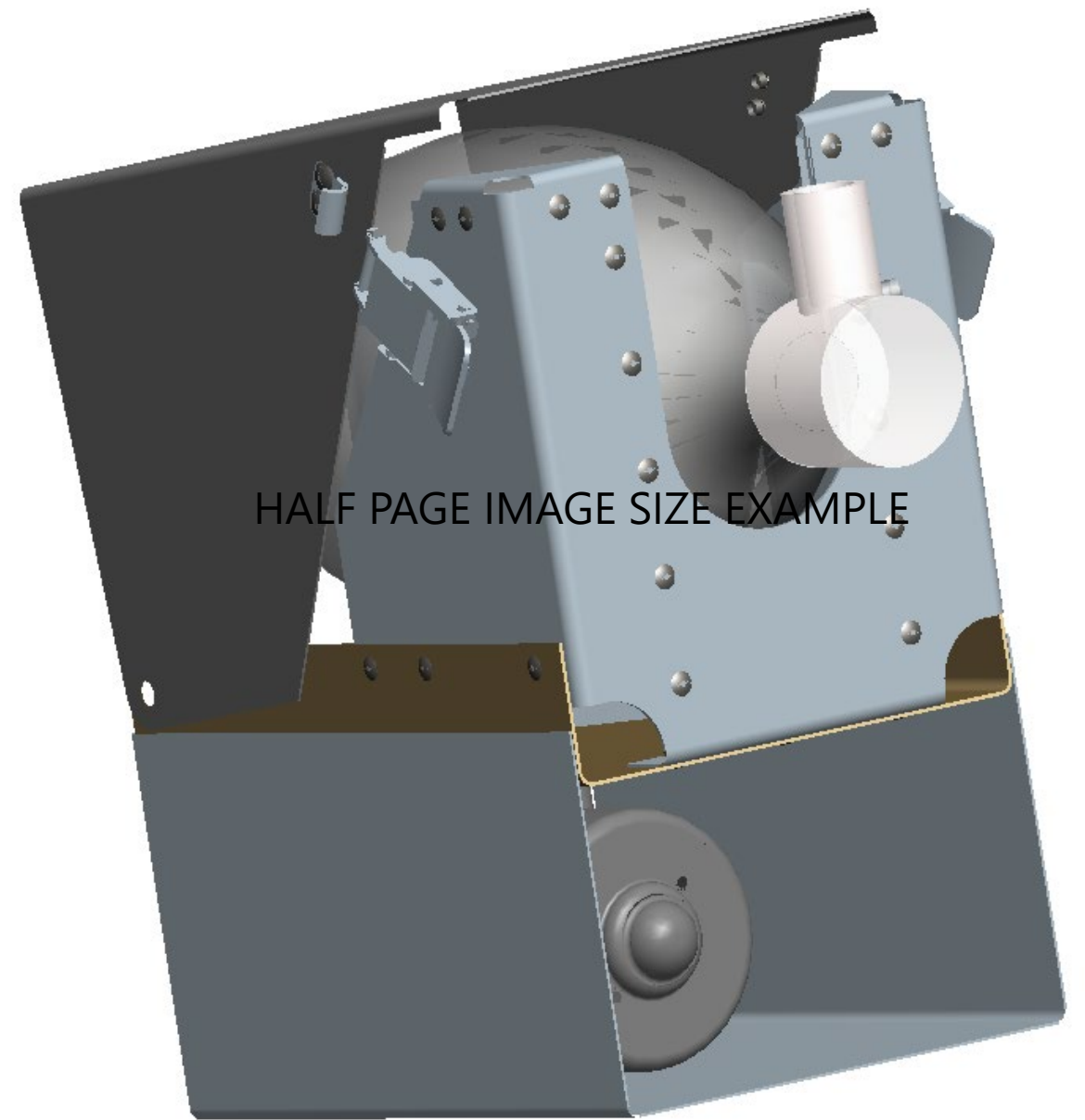


# Viral Transport Media

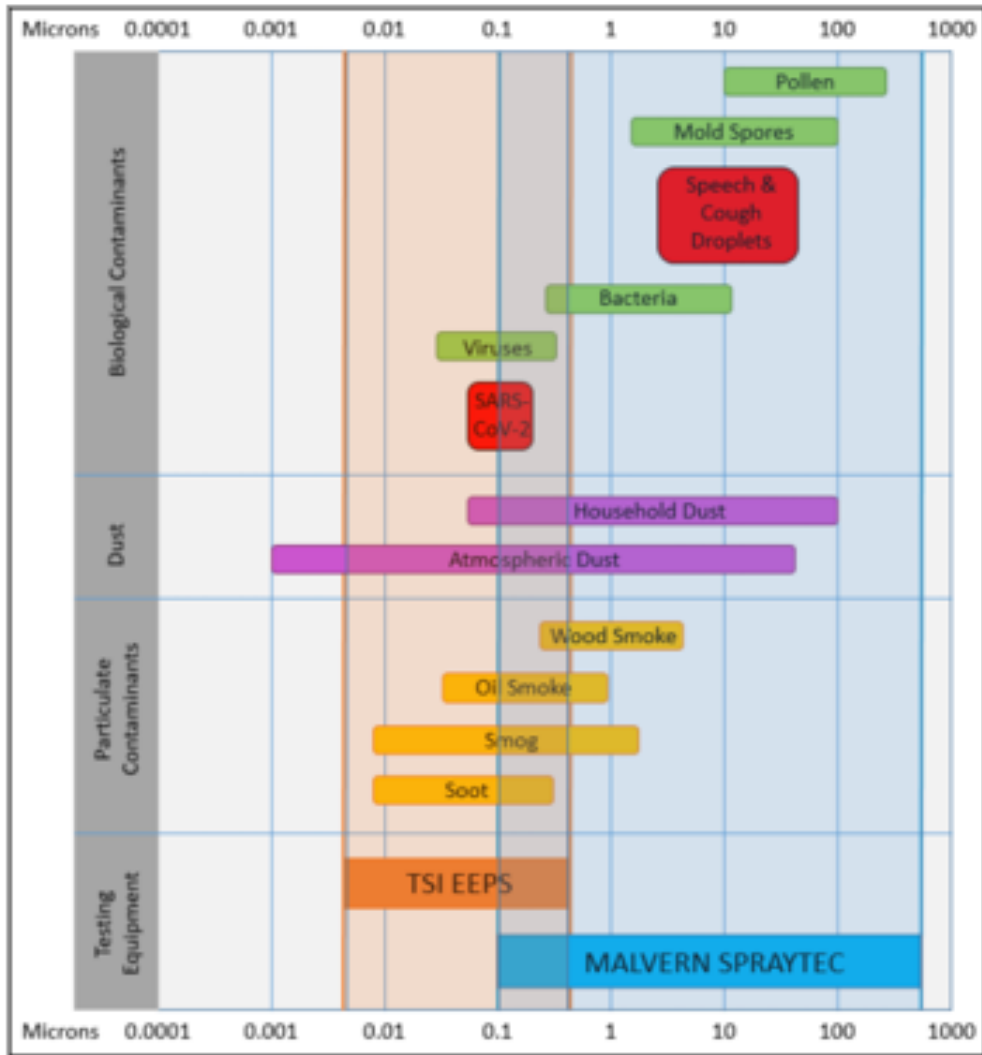
- Ebenezer Tumban, BIO, is a virologist who is making viral transport media for local health care providers. UPHS-Portage, BCMH, Houghton Co Medical Care, and OSF-St Francis have received so far
- We are not charging the providers, but trying to raise funds through [superiorideas.org](https://superiorideas.org)

# Continuity of Ventilation

- Develop a mechanical device to replace hand pumping of ventilator during on-scene, rescue, and transport
- Led by Bill Endres and a number of MEEM faculty and students with assistance from EMI, Inc. and a number of EMS and respiratory therapist experts



Equipment Sampling Range vs Particle Sizes



1 micron = 1/1,000,000 m = 39/1,000,000 in  
Human hair is 50-70 microns

# Evaluation of PPE Filtering Efficiency

- Study of filtration effectiveness of selected face mask materials under normal breathing and coughing
- Led by Jeff Naber and conducted by APSRC staff

# Undergraduate Student Government

May 20th, 2020  
Larkin Hooker-Moericke, USG President



# Agenda

- USG 2020-2021 Elections
- Undergraduate Student Updates and Communication
- COVID-19 Adaptation
- Recent Proposals
- Goals for 2020-2021



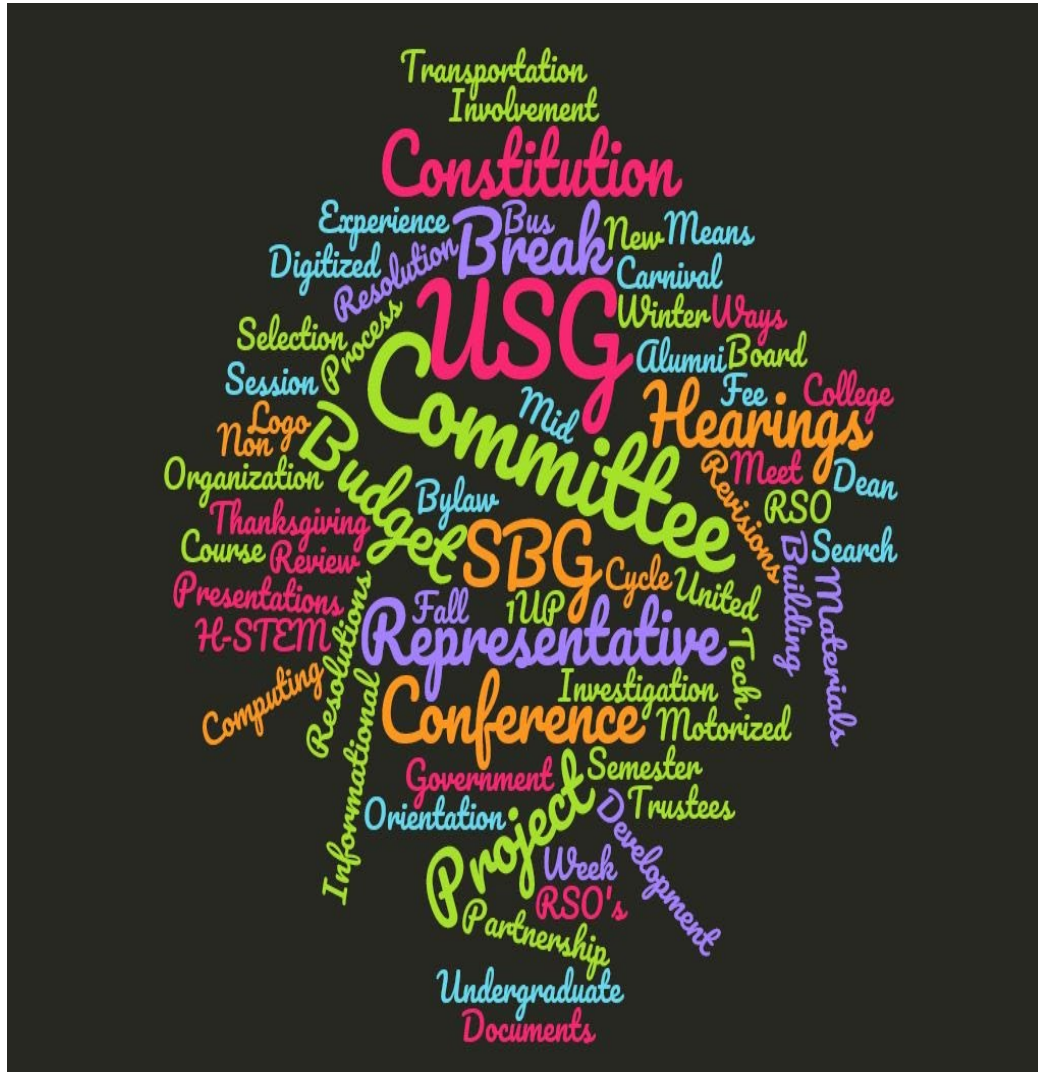
# USG 2020-2021 Elections

- Transition took place April 1st, 2020
  - Executive Board
    - President - Larkin Hooker-Moericke
    - Vice President - Lauren Spahn
    - Treasurer - Harley Merkaj
    - Secretary - Natalie Wohlgemuth
- New members sworn in April 8th, 2020
  - Committee Chairs
    - Events - Colin Schaefer
    - Judiciary - Sydney Dankert
    - Political Affairs - Zachary Olson
    - Public Relations - Jordan Craven
    - Student Affairs - Zofia Freiberg



# Email to Undergraduate Students

- Introduction of new Executive Board
- Information on pass/fail grading option
  - USG's involvement
- Recruitment for Open Positions
- Virtual Office Hours





# USG COVID-19 Adaptations

- Development of creative solutions to maintain normal functions
- Weekly General Body Meeting over Zoom
  - Accessible by all students
- Online Reimbursement/Advance of Funds form submission
- Virtual office hours
- Spring break bus functioned as usual
- Pandemic-related proposals
  - Actively discussing student perspective at Senate meetings



# Recent Proposals

- **Pass/fail grading**
  - Widely circulated petition by USG member (2720 signatures)
  - Internal resolution passed at emergency meeting
    - Theresa Jacques, MTU Registrar, provided information
  - Members attended University Senate meeting
    - Discussed important details
- **Retaking courses**
  - Internal resolution
  - Brought to Senate
- **Low pass**
  - More info to come
- **Fall break**
  - More into to come



# Goals for 2020-2021

- Empowering Registered Student Organizations to excel
  - Work to promote networking among Registered Student Organizations
- Continue USG's role on campus to offer more student led initiatives
- Engaging with other student governments
  - Student Coalition for Higher Education Funding (SCHEF)
  - United Student Government Conference
  - IUP Conference
    - Coalition between the student government of Michigan Technological University, Northern Michigan University and Lake State Superior University
- Teacher Evaluation Review
- Constitution Revision Process
- Meet Your Organization



# Thank you!



# Graduate Student Government of Michigan Tech

Apurva Baruah  
Nathan Ford



# Agenda

- 2019-20 at a Glance
- Travel Grant Report
- Advocacy
- 2020-21 : Looking Ahead

# 2019-2020 at a Glance

- **2 Research Events (Record participation!)**
  - Alumni Breakfast - 22 posters, 3MT - 36 Participants, GRC - 74 posters, 66 oral presentations
- **4 Academic Seminars**
  - Life Outside of Research, Innovation and Entrepreneurship, Statistical Programming, Data Visualization
- **5 Professional Development Seminars**
  - Career Fair Prep, Networking, Publishing Your Research, Professional Online Persona, Negotiation Strategies
- **7 Social Events**
  - Fall Color Tour, Snow Shoeing, Laser Tag, Kayaking, etc.

# 2019-2020 at a Glance

## GSG Updates

- **2 Academic Chairs**
- **Travel Grants**
  - Streamlined application process (*Eliminated deadlines!!*)
  - Open to recently graduated students (up to 1 semester)
- **Equitable representation**
  - Departmental Representative attendance
- **Improve communication with constituents**
  - Improved quality of weekly updates
  - Require more departmental Meet and Greets
- **Surplus Fund**
- **Emergency Provisions**

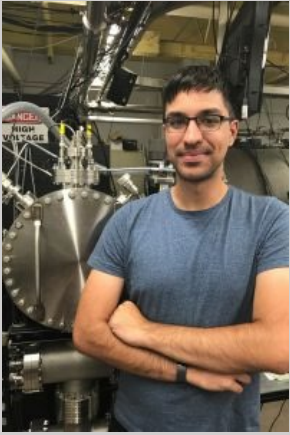


# Travel Grants (as of Apr 26)

- **Total Applications : 202 (PhD - 135, MS - 67)**
  - Presenting - 148 (PhD - 108, MS - 40)
  - Attending - 54 (PhD - 27, MS - 27)
  
- **Total amount - \$40,250 (\$42,000 budgeted amount)**
  - Presenting - \$33,500 @ \$250/student (~\$29250 already disbursed)
  - Attending - \$6,750 @ \$150/student (~\$3900 already disbursed)

# Advocacy

- **Graduate Student Support Package**
  - Student Insurance Committee
  - Cost of Living Survey
- **Graduate Student Teaching Workload Survey**
- **Experience Tech Fee**
- **JED Campus**
- **Transportation Services**
- **Commencement 2.0**
- **COVID-19**
  - Grad Impact Task Force



**President**  
Nathan Ford  
(PhD, ME-EM)



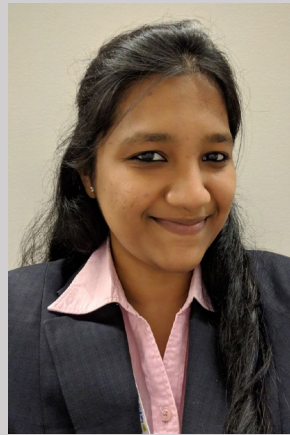
**Vice- President**  
Michael Maurer  
(PhD, ECE)



**Secretary**  
Aaron Hoover  
(PhD, Humanities)



**Treasurer**  
Laura Schaerer  
(PhD, Bio Sci)



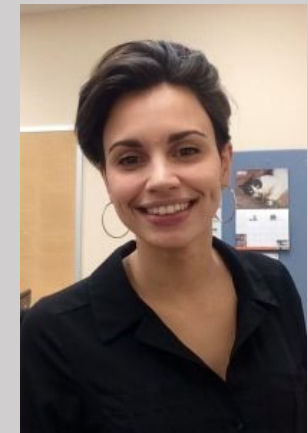
**Research Chair**  
Sarvada Chipkar  
(PhD, Chem Eng)



**Prof. Dev. Chair**  
Yasasya Batugedara  
(PhD, Math Sci)



**Social Chair**  
Eric Pearson  
(PhD, Chem Eng)



**Pub. Relations Chair**  
Marina Choy  
(PhD, Humanities)

# 2020-2021 - Looking Ahead

- **COVID-19**
  - Continue to support graduate students during time of uncertainty
  - Look to move events to digital format
- **Improve Travel Grants Program**
- **Student Activity Fee**
- **Sustainability**
- **Departmental Charters for Dept. Chair Hiring**
- **Improve Communication**
  - With university leadership and different units across campus.
  - With constituents - Look to bring back GSG Town Halls



# Thank you!!

# University Senate end of year overview

Michael Mullins, Senate President



# Actions relating to covid-19

- Emergency Proposal 41-20: Emergency Proposal: Pass/Fail Option for Spring Semester 2020 Classes
- Emergency Proposal 42-20: Emergency Proposal to Extend the Time for Completion of an Incomplete Grade
- Emergency Proposal 43-20: Emergency Proposal: Teaching Evaluations During COVID-19 Pandemic
- Emergency Proposal 54-20: EMERGENCY PROPOSAL: Amendment to Graduate Good Academic Standing and Dismissal (Senate Policy 416.1)
- Proposal 55-20: Proposal: Updated Fall Semester 2020 Academic Calendar in Response to COVID-19 Pandemic
- Proposal 56-20: “Low Pass” grade option for Pass/Fail grade mode in response to COVID-19 Pandemic
- Proposal 57-20: Retaking Courses in Response to COVID-19 Pandemic
- Emergency Proposal 59-20: EMERGENCY PROPOSAL: Pass/Fail Option for Graduate Students in Spring 2020
- Emergency Proposal 60-20: EMERGENCY PROPOSAL: Amendment to Graduate Scholastic Standards (Senate Policy 418.1)



# New degree programs

- Proposal 2-20: Proposal for a new Bachelor of Science degree in Mathematics and Computer Science
- Proposal 24-20: Proposal for a Bachelor of Science Degree Program in Ecology and Evolutionary Biology
- Proposal 25-20: Bachelor of Science in Robotics Engineering
- Proposal 32-20: Bachelor of Science in Mechatronics
- Proposal 40-20: Proposal for a Bachelor of Science Degree in Sustainable Bioproducts
- Proposal 48-20: Master of Science in Electrical and Computer Engineering
- 6 proposals to establish new certificates
- 5 proposals to establish new minors





# Other significant proposals

- Proposal 3-20: Recommendation: The School of Forest Resources and Environmental Science requests to Transition to a College
- Proposal 4-20: Recommendation: The School of Business and Economics requests to Transition to a College, “The College of Business”
- Proposal 18-20: Proposal to Examine the University Defined Contribution Plan
- Proposal 19-20: Senate Proposal on Campus Security and Safety at Michigan Technological University
- Proposal 28-20: Recommendation: The College of Computing requests to establish a Department of Applied Computing
- Proposal 31-20: Revisions to Senate Procedures 802.1.1 SEARCH PROCEDURE FOR COLLEGE DEANS
- Proposal 33-20: Michigan Technological University Faculty Distinguished Service Award
- Proposal 52-20: Revision to Policy and Procedures for “Standards for Online and Remote Courses”



# Senate involvement in university initiatives

- Graduate School Dean Search Committee
- Committee on Academic Tenure, Promotion and Reappointment (CATPR)
- Benefits Advisory Group
- Sabbatical Leave Committee
- President's Budget Advisory Committee
- Academic Integrity Committee
- Public Safety Oversight Committee
- Athletic Council



# Going Forward

- Hold summer meetings as needed to address coming issues relating to COVID-19 – approx. 80% of Senators willing to meet
- Seek to expand laptop initiative to all students for distance learning
- Continue audit of Senate Policies and Procedures
- Initiate faculty workload analysis
- Manage the new programs/certificates/minors
- Submit a grant proposal for textbooks and course material accessibility
- MLK Day holiday for all employees
- Expand family leave and elder care



**X. INFORMATIONAL ITEMS**

- A. Summary of Scholarships, Awards, and Grants (Board Policy 9.3)
- B. Analysis of Investments
- C. Research & Sponsored Programs
- D. Advancement & Alumni Relations
- E. Media Coverage
- F. Employee Safety Statistics

**X-A. SUMMARY OF SCHOLARSHIPS, AWARDS, AND GRANTS**

# Board of Trustees Summary of Scholarships, Awards and Grants

**2019-20 Fall and Spring**

	<b>*TOTAL 19-20 Fall/Spring</b>	
	<b># Students Paid</b>	<b>\$ Total Paid</b>
<b>INSTITUTIONAL</b>		
GRANT	2538	\$15,334,571
LOAN	76	\$188,542
SCHOLARSHIP	4247	\$26,367,936
**Other	151	\$532,397
<b>TOTAL INSTITUTIONAL</b>	<b>\$42,423,446</b>	
<b>SPONSORED</b>		
SCHOLARSHIP	915	\$2,373,168
<b>TOTAL SPONSORED</b>	<b>\$2,373,168</b>	
<b>FEDERAL</b>		
GRANT	1283	\$5,453,362
LOAN	3107	\$27,396,678
WORK-STUDY	194	\$264,059
<b>TOTAL FEDERAL</b>	<b>\$33,114,099</b>	
<b>STATE</b>		
GRANT	1458	\$2,958,604
SCHOLARSHIP	48	\$166,540
<b>TOTAL STATE</b>	<b>\$3,125,144</b>	
<b>EXTERNAL</b>		
LOAN	957	\$13,846,138
<b>TOTAL EXTERNAL</b>	<b>\$13,846,138</b>	
<b>TOTAL AID</b>	<b>\$94,881,995</b>	

\*Numbers include aid paid for fall 2019 and spring 2020. Summer semester awarding is still in progress and ongoing.

\*\*Includes Tuition Reduction Incentive Program, Senior Citizen credits, and Military Family Education Award.

## Breakdown of Institutional Aid

<b>Fund Name</b>	<b>Type</b>	<b># Paid Fall/Spring</b>	<b>\$ Amount Paid Fall/Spring</b>
TECHAID Loan	LOAN	76	\$188,542
Air Force Room & Board	SCHL	18	\$132,698
Athletic Grant-A.D. Assistant	SCHL	12	\$90,026
Athletic Grant-Football	SCHL	121	\$1,073,740
Athletic Grant-Hockey	SCHL	32	\$878,128
Athletic Grant-M Basketball	SCHL	18	\$375,205
Athletic Grant-Men CC & TF	SCHL	13	\$101,000
Athletic Grant-M Nordic Ski	SCHL	9	\$99,500
Athletic Grant-M Tennis	SCHL	9	\$66,500
Athletic Grant-Volleyball	SCHL	18	\$355,373
Athletic Grant-W Basketball	SCHL	17	\$397,097
Athletic Grant-Women CC & TF	SCHL	20	\$131,824
Athletic Grant-W Nordic Ski	SCHL	8	\$101,472
Athletic Grant-W Soccer	SCHL	31	\$341,250
Athletic Grant-W Tennis	SCHL	11	\$207,689
Army Room & Board	SCHL	24	\$175,965
Professional Development Scholarship	SCHL	1	\$2,262
Visual Performing Arts Talent Award	SCHL	37	\$37,250
Detroit Promise Scholarship	SCHL	2	\$19,733
FIRST Scholarship MI Tech	SCHL	43	\$318,000
Graduate School Academic Excellence Award	SCHL	31	\$137,622
Husky Innovation Leaders Award	SCHL	39	\$54,500
International Ambassador Scholarship	SCHL	46	\$159,000
Impact Scholarship - COB	SCHL	47	\$138,874
MI MTU Alumni Legacy Award	SCHL	662	\$157,125
Wade McCree Scholarship	SCHL	7	\$115,474
Michigan Tech Transfer Achievement	SCHL	121	\$154,876
Michigan Tech Transfer Distinction	SCHL	171	\$460,376
National Business Scholars	SCHL	17	\$330,000
National Business Scholars	SCHL	3	\$6,000
National Copper Scholars	SCHL	23	\$176,000
National Gold Scholars	SCHL	72	\$903,500

<b>Fund Name</b>	<b>Type</b>	<b># Paid Fall/Spring</b>	<b>\$ Amount Paid Fall/Spring</b>
National Platinum Scholars	SCHL	72	\$1,080,000
National Silver Scholars	SCHL	39	\$437,000
National Achievement Scholarship	SCHL	45	\$269,500
National Distinction Scholarship	SCHL	72	\$637,083
National Excellence Scholarship	SCHL	251	\$2,784,375
National Leading Scholar	SCHL	21	\$322,000
National Prominence Scholarship	SCHL	192	\$2,402,719
National Achievement Transfer	SCHL	9	\$30,000
National Distinction Transfer	SCHL	15	\$89,250
Presidential Copper Scholars	SCHL	65	\$64,000
Presidential Gold Scholars	SCHL	296	\$864,000
Presidential Platinum Scholars	SCHL	271	\$1,474,000
Presidential Silver Scholars	SCHL	205	\$396,000
Presidential Achievement Scholarship	SCHL	340	\$475,626
Presidential Distinction Scholarship	SCHL	825	\$1,923,647
Presidential Excellence Scholarship	SCHL	554	\$2,315,502
Presidential Leading Scholar	SCHL	53	\$421,667
University Room Scholarship	SCHL	23	\$136,937
MTU Leading Scholars Award	SCHL	15	\$454,716
Summer Youth Diversity Incentive Award	SCHL	6	\$9,500
Summer Youth Scholars Award	SCHL	41	\$102,500
Create Your Success Scholarship	SCHL	45	\$212,500
Supplemental University Student Award	SCHL	542	\$1,176,600
United States Scholarship	SCHL	32	\$590,755
Diversity Incentive Grant	GRANT	20	\$243,113
Part-Time Enrollment Support	GRANT	6	\$6,343
Michigan Indian Tuition Grant	GRANT	44	\$692,504
University Student Award	GRANT	2385	\$14,024,162
University Student Grant	GRANT	120	\$326,199
Marie Ryding Hardship Grant	GRANT	30	\$42,250
Tuition Reduction Incentive Program		126	\$484,642
Military Family Education		0	\$0
Senior Citizen Benefit		25	\$47,755

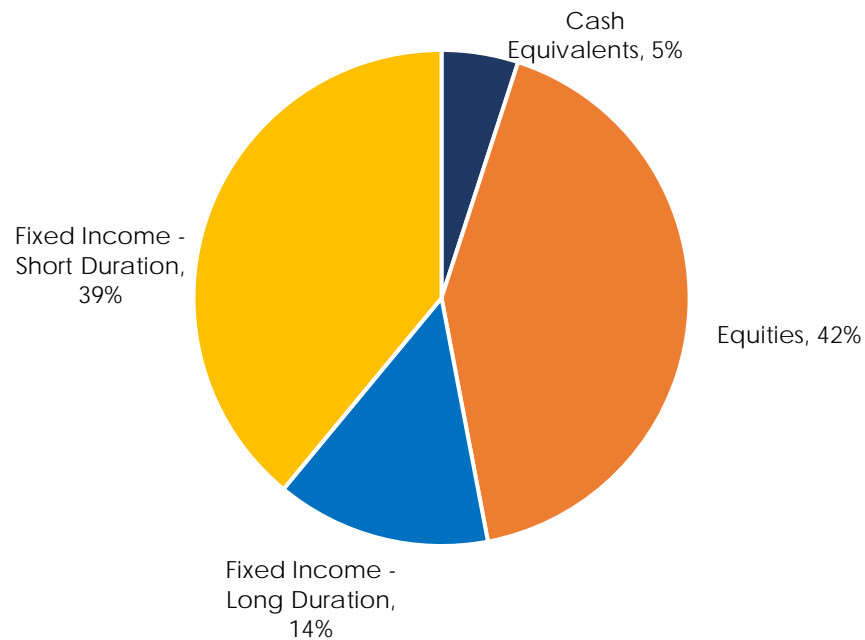


## **X-B. ANALYSIS OF INVESTMENTS**

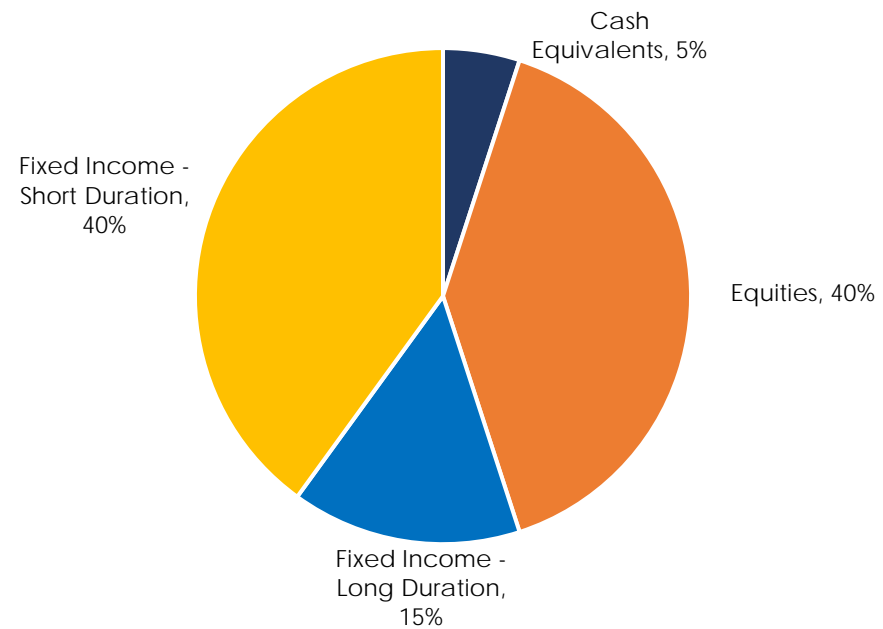
**MICHIGAN TECH UNIVERSITY  
INVESTMENT PORTFOLIO  
JUNE 30, 2019 THROUGH MARCH 31, 2020**

	Market Value 6/30/2019	Market Value 3/31/2020	Fiscal-Year Investment Return	Benchmark Return	Benchmark
Money Market Fund	\$ 2,172,599	\$ 1,781,114	1.28%	1.45%	<i>ICE BofA Merrill Lynch US T-Bill Index</i>
Equity Funds:					
Core Equity Fund	9,503,043	9,518,918	-12.52%	-10.82%	<i>S&amp;P 500</i>
Commonfund Strategic Solutions Equity Fund	5,787,008	5,688,740	-12.33%	-10.82%	<i>S&amp;P 500</i>
Total Equity Funds	<u>15,290,051</u>	<u>15,207,658</u>			
Fixed Income Funds:					
Intermediate Term Fund	7,239,252	6,236,748	2.38%	3.94%	<i>ICE BofA Merrill Lynch 1-3 Yr Treasury</i>
Commonfund Contingent Asset Portfolio	7,383,558	8,016,446	1.82%	3.94%	<i>ICE BofA Merrill Lynch 1-3 Yr Treasury</i>
High Quality Bond Fund	5,685,866	5,268,926	2.65%	5.68%	<i>Bloomberg Barclays US Aggregate Bond Index</i>
Total Fixed Income Funds	<u>20,308,676</u>	<u>19,522,120</u>			
Total	<u>\$ 37,771,326</u>	<u>\$ 36,510,892</u>	<u>-3.12%</u>		

Current Asset Allocation



Target Asset Allocation



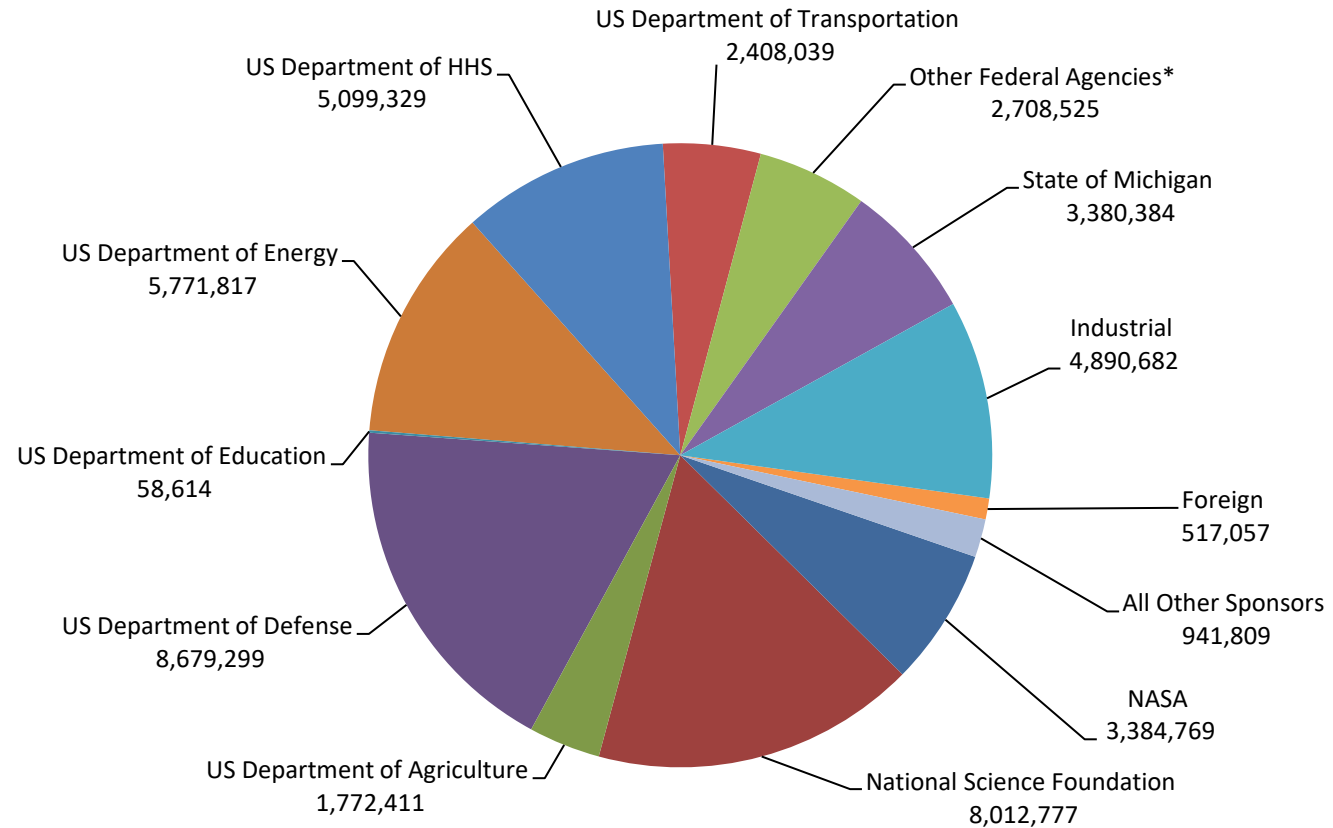
**X-C. RESEARCH AND SPONSORED PROGRAMS**

**Sponsored Awards  
Fiscal Year 2020  
3rd Quarter  
Ended Mar. 31, 2020  
TOTAL: \$50,529,963**

**Pre-Proposals Submitted**

*(excluded from Proposals Submitted figures below)*

**FYTD 2019: 58  
FYTD 2020: 38**



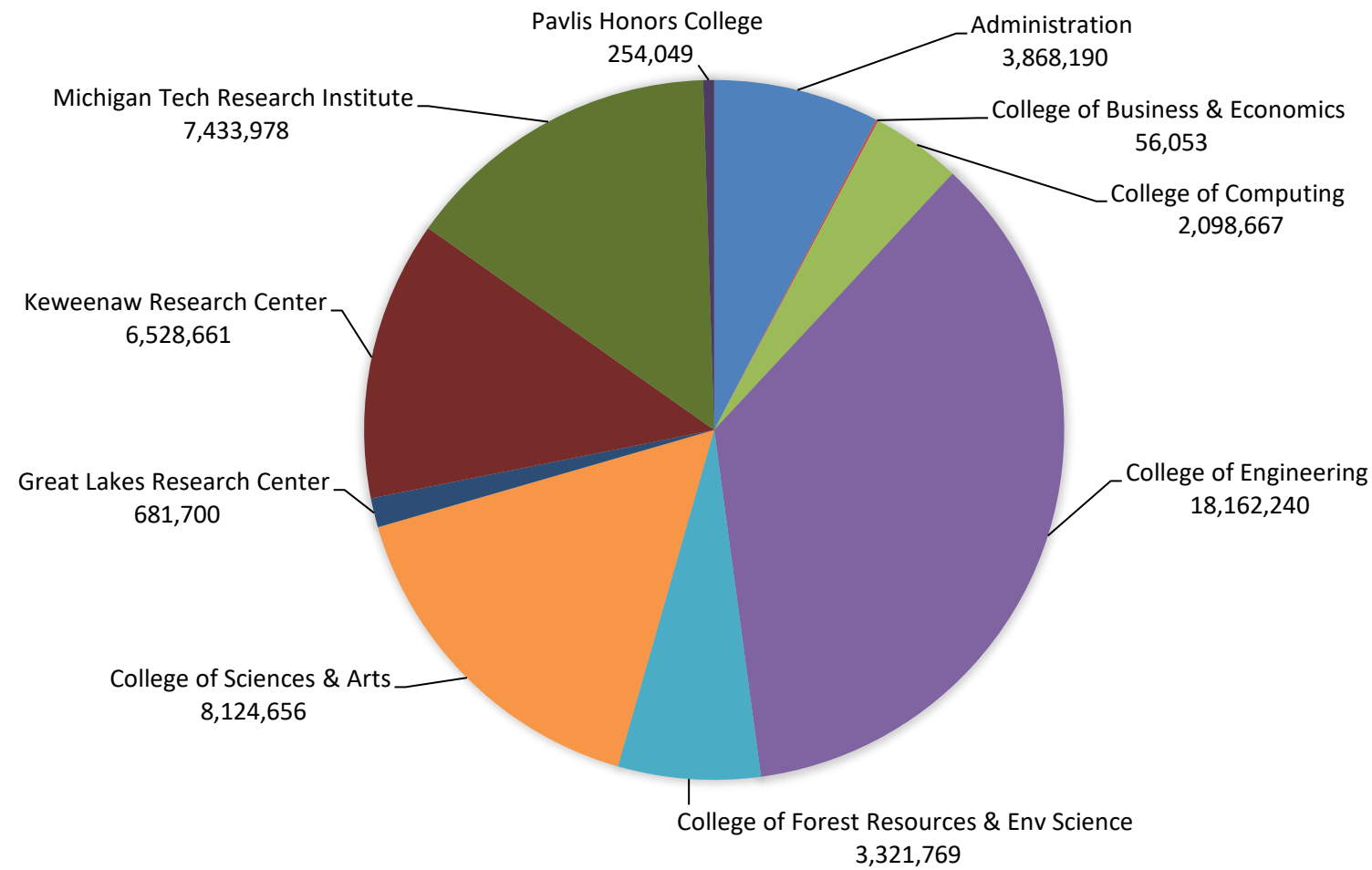
Sponsor	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '20 as of 3/31	FY '19 as of 3/31	FY '20 as of 3/31	FY '19 as of 3/31	FY '20 as of 3/31	FY '19 as of 3/31		
NASA	47	48	45	37	3,384,769	4,678,779	-1,294,010	-27.7%
National Science Foundation	105	124	43	39	8,012,777	7,176,470	836,307	11.7%
US Department of Agriculture	41	49	32	31	1,772,411	989,787	782,624	79.1%
US Department of Defense	83	91	72	84	8,679,299	8,876,802	-197,503	-2.2%
US Department of Education	3	4	3	3	58,614	88,732	-30,118	-33.9%
US Department of Energy	32	28	25	13	5,771,817	1,654,859	4,116,958	248.8%
US Department of HHS	35	46	17	6	5,099,329	1,850,620	3,248,709	175.5%
US Department of Transportation	10	12	12	11	2,408,039	1,783,742	624,297	35.0%
Other Federal Agencies*	35	31	34	34	2,708,525	2,826,769	-118,244	-4.2%
<b>Federal Agency Total</b>	<b>391</b>	<b>433</b>	<b>283</b>	<b>258</b>	<b>37,895,580</b>	<b>29,926,560</b>	<b>7,969,020</b>	<b>26.6%</b>
State of Michigan	38	42	23	21	3,380,384	1,806,015	1,574,369	87.2%
Industrial	159	191	122	160	4,890,682	7,060,552	-2,169,870	-30.7%
Foreign	15	17	8	12	517,057	366,938	150,119	40.9%
All Other Sponsors	74	72	41	35	941,809	1,945,561	-1,003,752	-51.6%
<b>Subtotal</b>	<b>677</b>	<b>755</b>	<b>477</b>	<b>486</b>	<b>47,625,512</b>	<b>41,105,626</b>	<b>6,519,886</b>	<b>15.9%</b>
Gifts**	N/A	N/A	193	210	2,893,388	2,396,267	497,121	20.7%
Crowd Funding	N/A	N/A	12	13	11,063	57,686	-46,623	-80.8%
<b>Grand Total</b>	<b>677</b>	<b>755</b>	<b>682</b>	<b>709</b>	<b>50,529,963</b>	<b>43,559,579</b>	<b>\$6,970,384</b>	<b>16.0%</b>

\* US Dept of the Interior, US Dept of Commerce, National Endowments for the Arts & Humanities, National Historical Records and Publications Commission, US Environmental Protection Agency, US Dept of Labor, Office of the Director of National Intelligence, US Dept of Homeland Security, US Small Business Administration

\*\*Gifts represent non-contractual funding from corporations, foundations, associations and societies in support of academic programs, scholarships/fellowships, student design & enterprise, research, youth programs and special programs.

**Vice President for Research  
Fiscal Year 2020  
3rd Quarter  
Ended Mar 31, 2020**

**TOTAL: \$50,529,963**



**Percentages of Tenured  
& Tenure Track Faculty  
(as either PI or Co-PI)**

**Submitting Proposals  
since 07/01/2019  
61.6%**

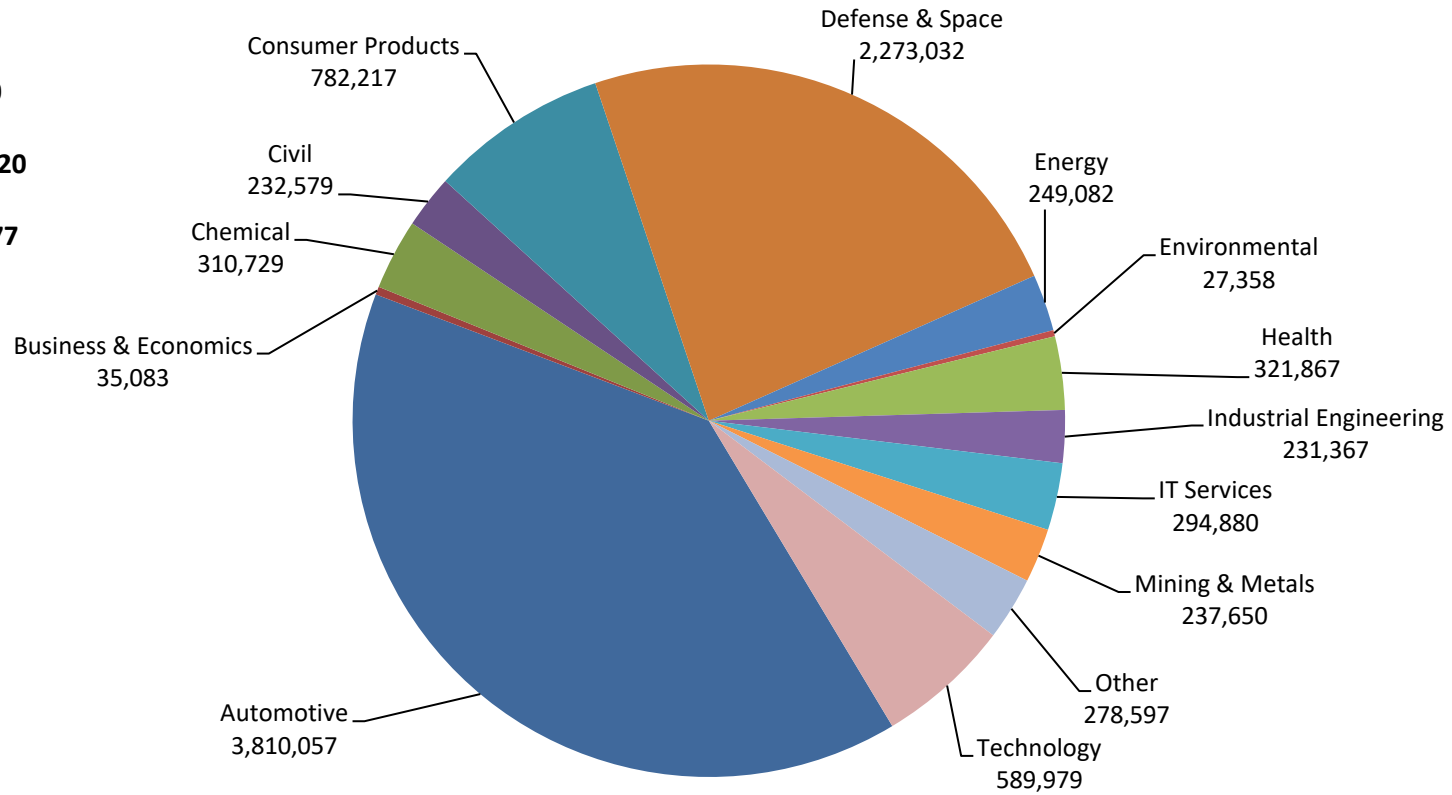
**On Active Projects  
as of 3/31/2020  
62.0%**

SPO & OIC Metrics <sup>1</sup>	Administration	College of Business & Economics	College of Computing	College of Engineering	College of Forest Resources & Env Science	College of Sciences & Arts	Great Lakes Research Center	Keweenaw Research Center	Michigan Tech Research Institute	Pavlis Honors College	School of Technology	Totals	Fiscal Comparison	Percent Change
Proposals Submitted	16	1	23	329	86	106	15	44	54	3	N/A	677	755	-10.3%
Awards Received	92	7	17	256	74	65	14	59	61	37	-	682	709	-3.8%
Federal	995,922	-	1,705,746	7,540,191	2,174,763	6,799,410	-	3,823,299	3,677,595	-	-	26,716,926	19,909,577	34.2%
Federal Pass-Through	556,254	-	50,074	5,128,787	395,020	792,264	572,815	30,000	3,649,265	4,175	-	11,178,654	10,016,983	11.6%
Foreign	-	-	-	462,622	-	54,435	-	-	-	-	-	517,057	366,938	40.9%
Gifts	1,746,422	56,053	68,000	536,889	120,183	63,876	1,943	51,054	-	248,968	-	2,893,388	2,396,267	20.7%
Crowd Funding	-	-	-	5,578	879	-	3,700	-	-	906	-	11,063	57,686	-80.8%
Industry	-	-	234,847	1,834,594	340,578	-	80,852	2,389,811	10,000	-	-	4,890,682	7,060,552	-30.7%
Other	4,630	-	40,000	254,292	240,183	343,594	22,390	9,602	27,118	-	-	941,809	1,945,561	-51.6%
State of MI	564,962	-	-	2,399,287	50,163	71,077	-	224,895	70,000	-	-	3,380,384	1,806,015	87.2%
<b>Total \$ by Division</b>	<b>3,868,190</b>	<b>56,053</b>	<b>2,098,667</b>	<b>18,162,240</b>	<b>3,321,769</b>	<b>8,124,656</b>	<b>681,700</b>	<b>6,528,661</b>	<b>7,433,978</b>	<b>254,049</b>	<b>N/A</b>	<b>50,529,963</b>	<b>43,559,579</b>	<b>16.0%</b>
Fiscal Comparison	2,084,098	35,500	N/A	21,450,548	2,498,589	4,562,010	379,996	4,162,252	7,610,449	731,194	44,943	43,559,579		
Percent Change	85.6%	57.9%	N/A	-15.3%	32.9%	78.1%	79.4%	56.9%	-2.3%	-65.3%	N/A	16.0%		
Disclosures Received <sup>2</sup>	-	-	4.55%	68.95%	-	26.50%	-	-	-	-	-	23	29	-20.7%
Nondisclosure Agreements	5	1	1	38	3	1	-	8	13	2	-	72	72	0.0%
Patents Filed or Issued <sup>2</sup>	-	-	-	72.22%	-	22.22%	-	-	5.56%	-	-	18	13	38.5%
License Agreements	2	-	-	11	-	-	-	-	-	-	-	13	13	0.0%
Gross Royalties <sup>2</sup>	-	-	-	80.00%	-	10.00%	-	10.00%	-	-	-	210,411	310,404	-32.2%

<sup>1</sup> Combined Metrics from both the Sponsored Programs Office (SPO) and Office of Innovation & Commercialization (OIC)

<sup>2</sup> Percentages reflect the proportional contribution from each Division (calculated by dividing the sum of the fractional contributions of all inventors for each unit by the total number of inventors).

**Sponsored Awards  
-Industry-  
COMBINED  
Fiscal Year 2020  
3rd Quarter  
Ended Mar 31, 2020  
  
TOTAL: \$9,674,477**



Industry Segment	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '20 as of 3/31	FY '19 as of 3/31	FY '20 as of 3/31	FY '19 as of 3/31	FY '20 as of 3/31	FY '19 as of 3/31		
Automotive	64	65	90	106	3,810,057	5,012,581	-1,202,524	-24.0%
Business & Economics	1	1	8	11	35,083	44,500	-9,417	-21.2%
Chemical	25	13	12	17	310,729	562,367	-251,638	-44.7%
Civil	6	9	14	26	232,579	465,177	-232,598	-50.0%
Consumer Products	13	41	30	29	782,217	549,399	232,818	42.4%
Defense & Space	21	25	39	33	2,273,032	2,683,820	-410,788	-15.3%
Energy	9	14	24	28	249,082	660,945	-411,863	-62.3%
Environmental	-	5	12	13	27,358	170,141	-142,783	-83.9%
Health	14	18	17	22	321,867	334,313	-12,446	-3.7%
Industrial Engineering	12	7	15	17	231,367	145,500	85,867	59.0%
IT Services	11	8	11	11	294,880	484,419	-189,539	-39.1%
Mining & Metals	12	13	29	34	237,650	791,103	-553,453	-70.0%
Other	10	4	18	20	278,597	146,099	132,498	90.7%
Technology	10	13	17	27	589,979	953,650	-363,671	-38.1%
<b>Total</b>	<b>208</b>	<b>236</b>	<b>336</b>	<b>394</b>	<b>9,674,477</b>	<b>13,004,014</b>	<b>-3,329,537</b>	<b>-25.6%</b>

\*Gifts represent non-contractual funding from corporations, foundations, associations and societies in support of academic programs, scholarships/fellowships, student design & enterprise, research, youth programs and special programs.

\*\*Gift numbers include Industry gifts ONLY, not others including Association or Society gifts.

**Michigan Technological University**  
**Total Research Expenditures by College/School/Division**  
**Fiscal Year 2020 & 2019**  
**As of March 31, 2020 and March 31, 2019**

<b>College/School/Division</b>	<b>FY2020</b>	<b>FY2019</b>	<b>Variance</b>	<b>%</b>
Administration*	3,000,787	3,312,565	(311,778)	-9.4%
College of Business	1,311,298	1,317,887	(6,589)	-0.5%
College of Computing	2,143,871	N/A	2,143,871	N/A
College of Engineering	21,788,009	22,496,100	(708,091)	-3.1%
College of Forest Resources & Environmental Science	3,885,640	3,898,024	(12,384)	-0.3%
College of Science & Arts	11,166,123	12,308,552	(1,142,429)	-9.3%
Great Lakes Research Center**	638,854	443,403	195,451	44.1%
Pavlis Honors College	322,717	509,254	(186,537)	-36.6%
Keweenaw Research Center (KRC)	6,718,623	6,874,121	(155,498)	-2.3%
Michigan Tech Research Institute (MTRI)	7,160,260	6,440,836	719,424	11.2%
School of Technology	N/A	775,617	(775,617)	-100.0%
<b>Total</b>	<b>58,136,182</b>	<b>58,376,359</b>	<b>(240,177)</b>	<b>-0.4%</b>

\*Includes the Vice Presidents, Provost, and others who report to a VP, Provost or the President. Except for the research institutes that report to the VPR.

\*\*Includes GLRC department (non-academic researchers) expenditures only. All other GLRC center expenditures are shown in the researchers' respective colleges.

**X-D. ADVANCEMENT AND ALUMNI RELATIONS**



## **Advancement and Alumni Engagement**

### **Michigan Tech Board of Trustees Report**

**May 20, 2020**

## **Advancement and Alumni Engagement**

Advancement and Alumni Engagement has shifted our campaign preparation timeline due to COVID-19. We have paused our request for proposal process to secure a feasibility study firm. We have also placed a hold on other campaign preparations such as the purchasing of a new CRM software package. We have increased our donor outreach to supplement our temporary hold on travel through cultivating donor relationships, engaging alumni and friends in the life of Michigan Tech, and securing the philanthropic support needed to advance the mission and goals of the University.

### **COVID19 ACTIVITY**

- Organizational: Using a structured remote work plan, the Advancement team has come together with true Husky spirit, flexibility, and a collective desire to succeed in this challenging time. They are managing collaborative work and communication with one another and as a group through virtual Zoom meetings, phone, text, and email.
- Fundraising: We are enhancing our donor strategy, policies and procedures, and gift proposals as we prepare for an altered fundraising landscape.
  - Created Husky Emergency Assistance Fund and sent an email appeal to all constituents.
  - Communicating remotely with individual donors, corporations and foundations for stewardship/continued contact and cultivation, especially with identified key donors/organizations and following up with giving proposals as appropriate.
    - Checking in to see how they are doing personally, as well as getting a sense of what is happening in their personal and/or organizational situation (some donors are buying stock right now).
  - Reviewing donor portfolio makeup, using Donor Search, Foundation Directory, and other research tools to update information in donor profiles and inform strategy.
  - Creating/modifying business plans for top annual giving markets/individual donors/companies/foundations for the next 3, 6, 9, and 12-24 months.
  - Collaborating with academic and campus units to draft foundation proposals.
  - Adjusting scheduled travel and outlining future travel plans
  - Virtually making closer connections with Deans and Chairs to advance the match of University needs with donors.
  - Conducting remote stewardship for all giving types and levels

- Incorporating athletic fundraising into Annual Giving operations
- Planning to continue with current fundraising projects:
  - 100 Years of Hockey, Men's Basketball floor, Football Stadium renovation
  - H-STEM
  - College of Computing
  - Pre-campaign preparation

**Fundraising totals** as of 3/31/2020 is at \$25.59 million which is \$11 million less than this time last year. Fundraising was on track toward goal for FY20 until the onset of COVID-19. Presently here is how our fundraising totals stand.

Fiscal Year to Date fundraising activity:

- \$8.67 million in planned gifts
- \$184,000 in realized planned gifts
- \$3.03 million in major gifts
- \$2.02 million in annual giving
- \$3.69 million in corporations and foundations
- \$530,000 gifts in kind
- 70 illustrations, proposals, and gift agreements were provided for donors and advancement staff.
- 33 executed gift agreements

### Advancement and Gift Planning

**Advancement:** The Advancement team are frontline fundraisers engaging and soliciting alumni and friends at the \$25,000+ major gift level. Colleges and other units are represented through the major gift team. Directors of Advancement cover both unit and regional territories across the country.

While fundraising travel has been suspended due to COVID-19, the Advancement team has been maintaining connections and giving discussions with major donors doubling their outreach from FY19 and making nearly 1,000 contacts during March. Donors are still committed but most have indicated they are waiting for a period of stability.

**Annual Giving:** The Annual Giving Team raises gifts of under \$25,000 to support all University departments, programs and initiatives with a special focus on the Annual Fund - an unrestricted gifts program where the need is greatest. Donors can select areas like the Michigan Tech Annual Fund or Women of Tech Scholarships. Currently, the primary focus is on the Husky Emergency Assistance Fund, which was set up to help students and other Huskies impacted by COVID-19. Students and staff can apply for financial assistance. There are two committees responsible for awarding the funds, one for students and one for staff. As of April 20, 2020, 53 people have applied for funds from the HEAF - 49 students and 4 staff members. The funds raised are \$35,271.

We participated in the national COVID-19 related #GivingTuesday on May 5, 2020 initiative.

FY 20 Annual Fund totals:

- Overall Annual Giving – Goal of \$2.75 million
  - As of April 5, 2020 – \$2,028,522, 74% of goal
  
- Annual Fund (unrestricted) – Goal of \$1.5 million
  - As of April 5, 2020 – \$979,826 65% of goal
  
- Campus Campaign
  - As of April, 2020 – 295 employees have donated \$171,014 to the Campus Campaign. That is a participation rate of 20%.

Corporate & Foundation Relations: The CFR team strives to build mutually-beneficial relationships with external institutions that build partnerships and leverage collective resources. We seek support from corporations and foundations to fund scholarships or professorships, provide capital grants for facilities, share in-kind gifts, or provide hands-on work opportunities for our students.

**Giving:** FY20 Goal \$1.5, Actual YTD \$1,534,835.71 =102% of Goal

1. **COVID-19:** Alliances (foundations and individuals) are pooling money to fund efforts to combat COVID-19. FastGrants (3 submitted, non-funded). *Must be agile, demonstrate research will help achieve the funder's goal(s), and be able to apply quickly.*
2. **Prestigious National Foundations:**
  - a. Dr. Roman Sidortsov was invited by the **Sloan Foundation** and **Environmental Defense Fund** to participate in an invite-only workshop on Electricity Distribution and Transmission Research.
  - b. **Issachar Foundation** pass-through grant award (Dr. Vucetich) from **Templeton Foundation**.
  - c. SPIE or The **International Society for Optics and Photonics** match received for \$21,300 (up from \$10,000 previous year). With an invitation to make an ask for \$100,000 during their next FY.
  - d. **Bill and Melinda Gates Foundation:** Dr. Caryn Heldt's (and her Johns Hopkins collaborators) vaccine manufacturing research was brought to the attention of the Chair of the Taskforce for the Bill and Melinda Gates Foundation.
  - e. Pooling community outreach events with Center for Diversity and Inclusion efforts to make ask to **Ford Foundation** (\$100,000) that will support students from SE Michigan.
  - f. **Anticipated First Time Proposal Submissions:** Working with key faculty (Drs. Wolfe, Brzeski) from CFRES to develop proposals for foundations of strategic importance to the University: **Gordon and Betty Moore Foundation, Arcus Foundation, Doris Duke Foundation.**

### 3. Examples of Michigan-based Foundation Submissions

. **Great Lakes Sports Commission** (\$225,000) that will open discussion about connecting water and sewage to Tech Trails and softball field. This will allow Michigan Tech to stay competitive as an elite host for championship events, like the U.S. Ski Championships. **Michigan Health Endowment Fund** (Michigan Tech is a subcontract on 3 submissions). **BCBS Foundation** submissions to their Investigator Initiated Research Program and Student Award program.

#### Corporate FY20 Q4 (prepared April 20)

- FY20 Q4 Total Corporate Gifts: 29 | FY20 Q4 Total Corporate Giving: \$119,855.16
- FY20 YTD Total Corporate Gifts: 395 | FY20 YTD Total Corporate Giving: \$2,158,618
- FY20 Corporate Giving Goal: \$2,000,000 | FY20 YTD Status: 108% of Goal
- FY20 Q4 Corporate Council Highlights:
  - Student Projects: The 20th annual Design Expo shifted to a virtual/remote event, curating a sizable gallery of over 75 student videos (in lieu of presentations and posters) that are available for public viewing. 70 judges participated in reviewing the videos during a two day period, culminating in over 200 people watching the award ceremony. Expo sponsors included ITC, Kohler, Nexteer, Nucor, Plexus, FCA, and Kimberly-Clark.
  - Research/Tech Transfer: Advanced Power Systems Research Center have received \$2.3 million from the Department of Energy Advanced Research Projects Agency - Energy (ARPAe) for a three year project related to electrification and hybridization of an industrial carry/lift machine. The project was developed in partnership with Pettibone Traverse Lift LLC of Baraga who has provided significant in-kind matching funds in support of the project.
  - Philanthropy: College of Computing celebrated the unveiling of the Leidos Electrical Machinery and Controls Lab. Two Leidos gifts over five years enabled the EET and MET programs to complete lab refurbishment and install six new state-of-the art Amatrol learning stations for delivery of Electrical Machinery (EET 2233).
- Corporate Partner Response to COVID-19: Early stage communication and engagement with our strategic partners has focused primarily on impacts of COVID-19 on summer co-ops and internships. To date we've heard from 50 companies, with a significant number rescinding offers and/or deferring to later dates, some into 2021. Thus far full-time hires have mostly seen start dates postponed rather than rescinded offers. To affirm our position with core partners, biweekly calls with our Corporate Top 10 have provided a unique opportunity to discuss collaborative possibilities despite the current unknowns of what philanthropic activity will be available. Several partners, including 3M, ITC, and Bosch, have maintained commitment to honor current philanthropic giving.

#### Principal Giving

Principal Giving works in partnership across the University to secure gifts at the \$1 million and above level for the colleges, departments and the University at large. We engage, cultivate, solicit and steward the University's top prospects in collaboration with the President, the Vice President for Advancement and Alumni Relations, the Provost, the Deans and Chairs, the Directors of Advancement and Advancement Officers. We drive the creation of informed, long-range strategies for Principal Giving Prospects—taking into consideration their interests and bridging them with University needs. We work with campus partners to translate and shape large fundable ideas into gift opportunities for our most capable donors and prospects.

### **Recent Principal Giving Activity**

Two MTF director/donor sponsored presidential events took place in SW Florida the week of March 2nd. Ross '60 and Mary Anne Roeder hosted a luncheon in St. Petersburg on March 3 and Mike '86 and Liz '88 Pulick hosted a dinner on March 5. Attendees were a select group of Michigan Tech donors and friends who enjoyed the opportunity to interact with and hear directly from President Koubek in regard to University fundraising plans and other activities. A larger group of alumni, friends, and donors gathered for brunch in Ft. Meyers on March 4 where short talks were given by President Koubek, VP Bill Roberts, and Dr. Bill Sproule, author and Michigan Tech Professor Emeritus, Civil and Environmental Engineering. All three events by design were the perfect size and very successful in promoting good discussion and camaraderie among the attendees.

Current Outstanding Principal Giving Proposals are approximately \$14 million, with estimated closures in FY 2021 and 2022. Current proposals cover all University Colleges and are primarily focused on endowments for benefiting deans, chairs, faculty and students.

We are revisiting our Silicon Valley region as it relates to the Office of Principal Giving, in light of the recent restructuring of the Office of Advancement.

### **Donor Relations & Alumni Engagement**

The Office of Donor Relations and Alumni Engagement focuses on creating high-quality interactions between Michigan Tech and its alumni and friends. The team achieves this through two areas: donor relations and alumni engagement.

#### **Donor Relations**

- 2019 Impact Reports were mailed to all donors with Named Endowed Fund and/or Named Scholarship Funds

#### **Alumni Engagement**

- Monitoring and responding to alumni questions and requests
- Continuing to plan and prepare for August Reunion

- Exploring virtual regional alumni gatherings/events as chapter in-person events have been canceled
- Launched the 2020 Presidential Council of Alumnae nomination process

### Advancement Services

The Advancement Services team provides the essential infrastructure and technical support to position Advancement and Alumni Engagement for success in relationships with alumni, donors, potential donors, volunteers, and friends. These support services include alumni and donor communications, advancement research, gift processing, and the development, management and maintenance of alumni and donor constituent information storage and delivery systems.

- Developing new reporting tools to support Directors of Advancement.

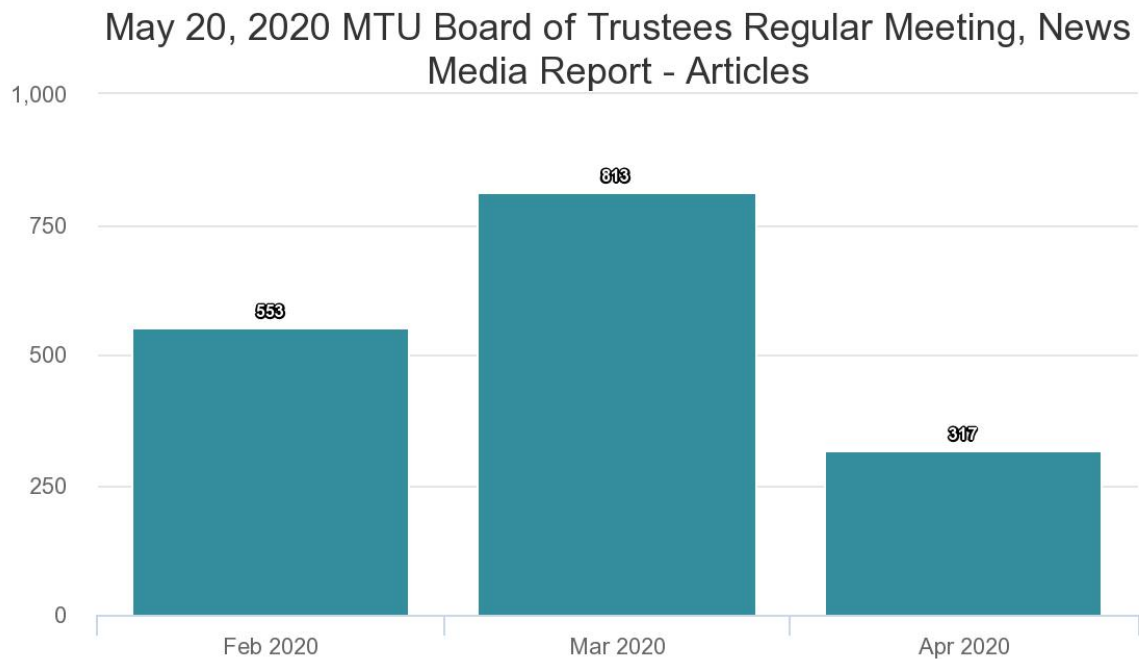
**X-E. MEDIA COVERAGE**

Media Report: February 6, 2020 to April 26, 2020  
 Michigan Technological University  
 Regular Meeting of the Board of Trustees  
 May 20, 2020

Overview

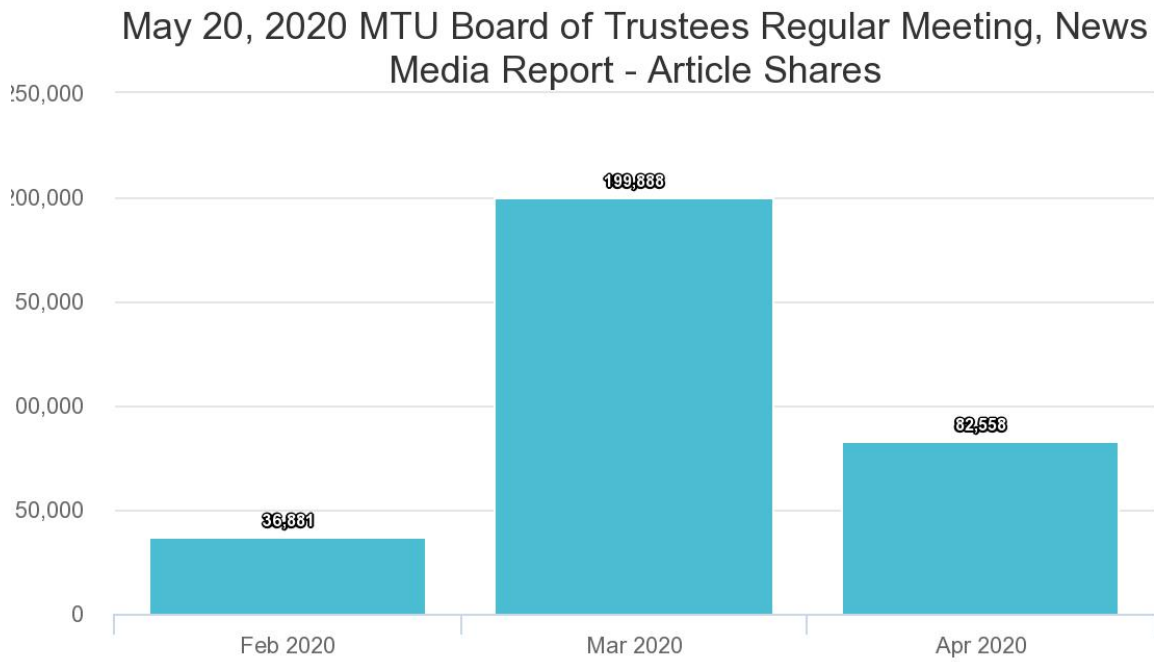
Articles	1,683
Social shares	319,330+
Average shares	189
Journalist shares	721
Journalist reach	7.62M
Average unique visitors per month (UVM)	1.42 million
Total UVM	2.39 billion

Between February 6 and April 26, 2020, a total of 1,683 articles mentioned Michigan Technological University:





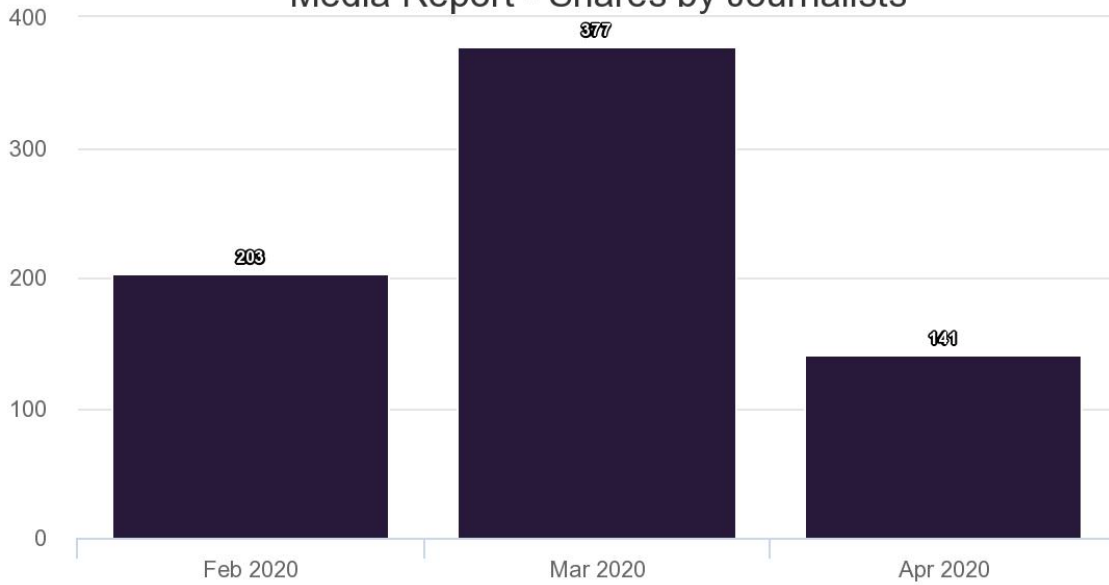
Those 1,683 articles were shared on social media more than 319,330 times:



**MUCK RACK**

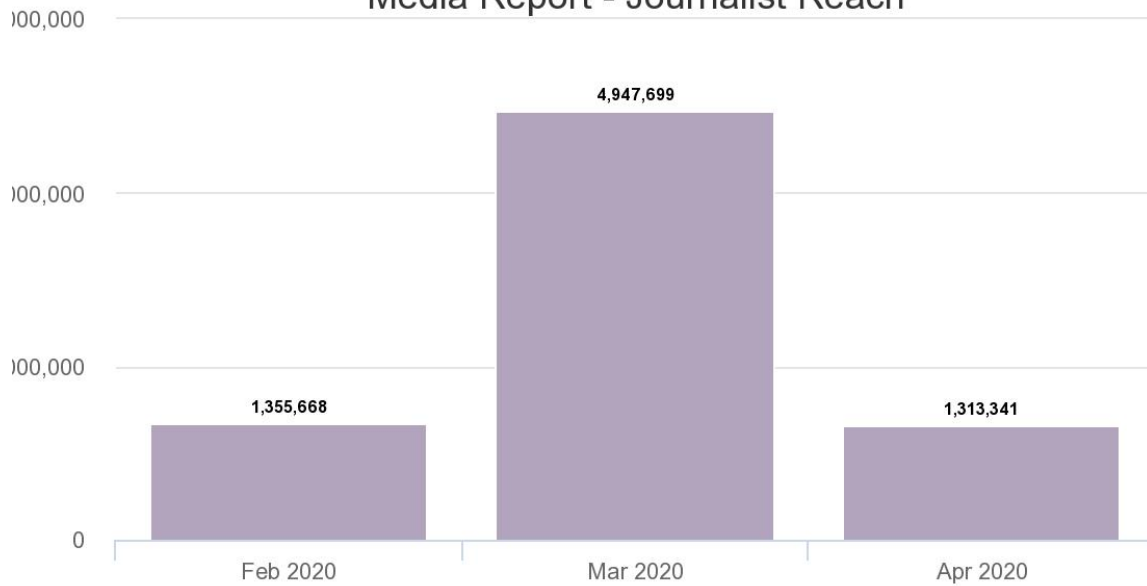
Journalists shared the articles on Twitter 721 times, resulting in a reach of nearly 7.62 million people:

### May 20, 2020 MTU Board of Trustees Regular Meeting, News Media Report - Shares by Journalists



**MUCK RACK**

### May 20, 2020 MTU Board of Trustees Regular Meeting, News Media Report - Journalist Reach



**MUCK RACK**

*News Highlights:*

The Detroit Free Press published a feature on a mobile sanitation unit for disinfecting PPE, known as the Mobile Thermal Utility (MTU) Sanitizer, designed and tested by a team that included Michigan Tech engineers. The story was picked up by other outlets, including the Charlotte Observer.

- <https://www.freep.com/story/news/local/michigan/wayne/2020/04/13/soldiers-set-use-michigan-techs-giant-oven-war-covid-19/2975259001/>

TV6 covered Michigan Tech's efforts in 3D printing PPE for local healthcare providers:

- <https://www.uppermichiganssource.com/content/news/Michigan-Tech-3D-printing-personal-protective-equipment-for-local-hospitals-569293911.html>

The Daily Mining Gazette (DMG) and other media outlets reported on Michigan Tech's new COVID-19 testing facility:

- <https://www.mininggazette.com/news/2020/04/mtu-launches-covid-19-testing/>

DMG also highlighted Michigan Tech Professor Joshua Pearce's leadership in the open source ventilator movement:

- <https://www.mininggazette.com/news/2020/04/discovering-help-mtu-aiding-in-search-for-open-source-devices-to-fight-covid-19/>

**X-F. EMPLOYEE SAFETY STATISTICS**



## EMPLOYEE SAFETY STATISTICS YEAR-TO-DATE

January 1 - April 1, 2019/2020

	Category	Years	Employee Classification							Total
			AFSCME	Faculty	Non-Exempt	POA	Professional	Temporary	UAW	
<b>Number of Recordable Injuries</b>	Injury Only w/Medical - No Lost Time	2019	0	0	0	0	1	0	0	1
		2020	1	0	0	0	1	0	0	2
	Lost Time Cases	2019	3	1	0	0	1	0	0	5
		2020	2	0	0	0	1	0	0	3
	Restricted Work Cases	2019	1	0	0	0	0	0	0	1
		2020	0	0	0	0	0	0	0	0
	Occupational Safety and Health Administration (OSHA) Recordable Injuries (Total of above)	2019	4	1	0	0	2	0	0	7
2020		3	0	0	0	2	0	0	5	
<b>Number of Days</b>	Injury Lost Time <sup>3</sup>	2019	39	9	0	0	16	0	0	64
		2020	25	0	0	0	2	0	0	27
	Restricted Work Days <sup>3</sup>	2019	139	30	0	0	155	0	0	324
		2020	0	0	0	0	0	0	0	0
<b>Hours Worked</b>	Total Work Hours	2019	78,683	250,947	34,835	5,230	297,288	15,881	56,395	739,259
		2020	75,815	246,926	37,553	4,514	298,073	10,083	52,674	725,638
	Percentage of Work Hours	2019	10.6%	33.9%	4.7%	0.7%	40.2%	2.1%	7.6%	100.0%
		2020	10.4%	34.0%	5.2%	0.6%	41.1%	1.4%	7.3%	100.0%
<b>Rates</b>	Lost Time Case Rate <sup>1</sup>	2019	7.6	0.8	0.0	0.0	0.7	0.0	0.0	1.4
		2020	5.3	0.0	0.0	0.0	0.7	0.0	0.0	0.8
	Frequency Rate <sup>2</sup> (Recordable)	2019	10.2	0.8	0.0	0.0	1.3	0.0	0.0	1.9
		2020	7.9	0.0	0.0	0.0	1.3	0.0	0.0	1.4

OSHA has established specific calculations that enable the University to report the Recordable Injuries, Lost Time Case Rates and Frequency Rates. The Standard Base Rate (SBR) calculation is based on a rate of 200,000 labor hours which equates to 100 employees who work 40 hours per week for 50 weeks per year. Using the SBR allows the University to calculate their rate(s) per 100 employees.

<sup>1</sup> The Lost Time Case Rate is calculated by multiplying the number of Lost Time Cases by 200,000 then dividing by the labor hours at the University.

<sup>2</sup> The Frequency Rate is calculated by multiplying the number of recordable cases by 200,000 then dividing by the labor hours at the University.

<sup>3</sup> The number of days are total days for the life of the cases first reported during this period.

**XI. OTHER BUSINESS**

**XII. DATE OF NEXT FORMAL MEETING: August 6, 2020**

### **XIII. ADJOURN**