Formal Session of the Board of Trustees  
February 28, 2020  
9:00 a.m. – 12:00 p.m. | Memorial Union Building Ballroom B

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

VII. Consent Agenda  
A. Approval of Minutes  
B. Degrees in Course  
C. Resignations, Retirements, and Off Payroll  
D. Fundraising Productivity Report
VIII. Action and Discussion Items
   A. Employee Recognition
      Brenda Ryan, Chair
   B. Proposal for a Bachelor of Science Degree in Human Biology
      Jackie Huntoon, Provost
   C. Proposal for a Department of Applied Computing in the College of Computing
      Jackie Huntoon, Provost
   D. Proposed Board Policy 4.10: Privacy of Personnel Records
      Jackie Huntoon, Provost
   E. Proposed Amendment to Board Policy 8.6: Enrollment Deposit
      John Lehman, VP of University Relations and Enrollment
   F. Proposed Amendment of Board Bylaw 1.14
      Sarah Schulte, Secretary

IX. Reports
   A. H-Stem Building Progress Report
      Mike Abbott and Jake Guter
   B. Enterprise Program Turns 20!
      Rick Berkey, Director of the Enterprise Program
   C. Undergraduate Student Government
      Melanie Thomas, President
   D. Graduate Student Government
      Nathan Ford, President-elect and Daniel Byrne, Vice President
   E. University Senate
      Michael Mullins, President

X. Informational Items
   A. Analysis of Investments
   B. Research & Sponsored Programs
   C. Advancement & Alumni Relations
   D. Media Coverage
   E. Employee Safety Statistics

XI. Other Business
XII. Date for Next Formal Meeting: May 1, 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 February 28, 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
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. Degrees In Course
C. Resignations, Retirements, and Off Payroll
D. Fundraising Productivity Report
VII-A. APPROVAL OF MINUTES

RECOMMENDATION: That the Board of Trustees approves the minutes of the formal session of December 13, 2019 as distributed to the Board.
VII-B. DEGREES IN COURSE

Included herein are candidates who have been recommended by their respective faculties and have been certified by the Registrar as having fulfilled all the requirements of their degrees as specified.

RECOMMENDATION: That the Board of Trustee approves the awarding of the degrees as specified, to each of the candidates listed, and offer congratulations.
MEMORANDUM

To: Dr. Richard J. Koubek
   Office of the President

From: Theresa Jacques
      Registrar’s Office

Date: January 28, 2020

Subject: Candidates for Degrees – Conferral Term 201908

The attached list of candidates for degrees, beginning with Michael James Maple and ending with Shijia Yan is submitted for the granting of the appropriate degrees by the Board of Trustees. I certify that these candidates meet all requirements for their respective degrees and that the names have been submitted to and have received the approval of the faculty from their major department.

Theresa Jacques
Registrar

TJ: kph
<table>
<thead>
<tr>
<th>Degree Program</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts in Communication, Culture, and Media</td>
<td>Michael James Maple</td>
</tr>
<tr>
<td>Bachelor of Arts in English</td>
<td>Madison Ranee Pfahler</td>
</tr>
<tr>
<td>Bachelor of Arts in Scientific and Technical Communication</td>
<td>Tahisha Rene Hicks</td>
</tr>
<tr>
<td>Bachelor of Arts in Sound Design</td>
<td>Thomas Phillip Autio</td>
</tr>
<tr>
<td>Bachelor of Science in Accounting</td>
<td>Zachary David Marten</td>
</tr>
<tr>
<td>Bachelor of Arts in Sound Design</td>
<td>Tyler Douglas Morgan</td>
</tr>
<tr>
<td>Bachelor of Science in Sound Design</td>
<td>Zachary S Nicholas</td>
</tr>
<tr>
<td>Bachelor of Science in Anthropology</td>
<td>Sarah Jeanne Marie Calvert</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Ecology and Environmental Science</td>
<td>Shannon Eve Forsberg</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Jordan Bruce Janssen - Magna Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Ryan Matthew Kesti</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Daniel George Schudlich</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Jamie Ann Sertich</td>
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<tr>
<td>Bachelor of Science in Applied Ecology and Environmental Science</td>
<td>Lauren Marcia Cohen - Magna Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Anthropology</td>
<td>Charles Robert Fugate</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Ecology and Environmental Science</td>
<td>Benjamin Daniel Miller - Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Benjamin Daniel Miller - Cum Laude</td>
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<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Penny Jane Nowlin - Cum Laude</td>
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<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>William Leo Crumb</td>
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<tr>
<td>Bachelor of Science in Anthropology</td>
<td>Alexander Orion Pohl</td>
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<tr>
<td>Bachelor of Science in Biological Sciences</td>
<td>Gavin Mark Rye - Magna Cum Laude</td>
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<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Nicholas Walli</td>
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<tr>
<td>Bachelor of Science in Biomedical Engineering</td>
<td>Bailey Rae Feddick - Magna Cum Laude</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Jacob James Formolo</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Stephanie Renee Jewell</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Leigh Therese Schindler</td>
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<td>Bachelor of Science in Chemistry</td>
<td>Trent Alexander Daenzer</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Jordan Reginald Dopp - Cum Laude</td>
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<tr>
<td>Bachelor of Science in Civil Engineering</td>
<td>Nicholas Brian Lueder - Summa Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Chemistry</td>
<td>Nathan Robert Conner - Cum Laude</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Hunter M Austin</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Jacob Michael Bouman</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Mia Cheynne Cochrane</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Nicholas Nash Cortes</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Carley Michelle Davis - Cum Laude</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Kate Elizabeth Dorman</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Mario Dos Santos Neto</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Joshua Francis Eckert</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Evan Matthew Gornick</td>
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<td>Morgan Elizabeth Green</td>
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<td>Bachelor of Science in Chemical Engineering</td>
<td>Michelle Renee Hart - Magna Cum Laude</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Samantha Renata Kiluk</td>
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<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Ethan Micheal Knake</td>
</tr>
<tr>
<td>Bachelor of Science in Chemical Engineering</td>
<td>Jack Edward Krueger</td>
</tr>
</tbody>
</table>
Formal Session of the Board of Trustees - Degrees in Course

Michigan Technological University
Degrees Awarded for Conferral Term 201908

Jason Daniel Lindbeck
Jon Michaelangelo Marino - Magna Cum Laude
Luke Allen Mattson
Ibtisam Nawaz
Bradley S Park
Jacob Thomas Peterson
Travis John Pietila
Sophia Frances Steinbrueck - Cum Laude

Bachelor of Science in Computer Engineering

Veronica I Lynch - Cum Laude
Jon Michaelangelo Marino - Magna Cum Laude

Bachelor of Science in Computer Network and System Administration

Luke Allen Mattson

Bachelor of Science in Computer Science

Veronica R Yurek - Summa Cum Laude
Zheng Zhou - Cum Laude

Bachelor of Science in Computer Engineering

Matthew Brian Link - Cum Laude
Robert Verlyn Rollins - Cum Laude
Andrew Dean Kirkum - Cum Laude

Bachelor of Science in Computer Network and System Administration

Ryan Heinz Koerner
Joseph C Rabaut - Summa Cum Laude
Samuel Daniel Solverson - Summa Cum Laude

Bachelor of Science in Computer Science

Tanner David Barth

Lucas Patrick Buccilli - Summa Cum Laude
Amanda Brooke Charboneau

Ann Elizabeth Ciesla - Summa Cum Laude
Noah Alexander Davis - Cum Laude

Nicholas R Hamilton - Magna Cum Laude
Brendan Andrew Maletski
David Andrew Messick
Nickalos R Milano
Alex Thomas Osterholzer
Domenic Michael Portuesi
Daniel Frederick Schuen
Jonah Hans Schulte
Darrel Joseph Younk
Veronica R Yurek - Summa Cum Laude
Zheng Zhou - Cum Laude
Bachelor of Science in Construction Management  
- John K Ryynanen - Cum Laude  
- Nicholas James Silvestri

Bachelor of Science in Economics  
- Jian Zheng

Bachelor of Science in Electrical Engineering  
- Bryce Charles Adamski  
- Jordan Daniel Anderson - Cum Laude  
- Timothy James Ciarelli - Cum Laude  
- Robert David Hammann  
- Bohdan Aleksander Hartman  
- Ian Delbridge Helman  
- Jacob R Lillie  
- Nakita Elizabeth Menke - Cum Laude  
- Cameron James Myers  
- Veronica Hellen Norbotten  
- Chad Ronald Oja  
- Antony Vitaliy Pavlishin - Magna Cum Laude  
- Atakan E Pekpolat  
- Michael T Subda  
- Tasauf Salim Torzo

Bachelor of Science in Engineering Management  
- Hunter M Austin  
- Shawn David Badanjek  
- Romana Isabel Carden  
- Xavier Lee Ciardo  
- Jacob Jorgen Dam  
- Connor Kenneth Green - Magna Cum Laude  
- Lucas Christof Grulke - Magna Cum Laude  
- Haley Rae Hall - Cum Laude  
- Nick Howard Helminen  
- LeAnn Nicole Schaefer - MagnaCum Laude  
- Aaron Taylor Scheetz  
- Quinn Alan Trumbower

Bachelor of Science in Environmental Engineering  
- Samantha F Cepeda Guerrero  
- Samantha Rose Hindle  
- Lauren Taylor Kirkconnell - Cum Laude  
- Courtney Leigh Kosters - Magna Cum Laude  
- Jason Anthony Mathews - Cum Laude  
- Jason W Mihovilovich - Summa Cum Laude  
- Benjamin Jon Mohrhardt - Magna Cum Laude  
- Landon Thomas Overesch  
- Kolten Matthew Phillips  
- Samantha Anne Schultz  
- Peter Graham Szpaichler - Cum Laude  
- Emma Rose Witherspoon  
- Tyler Alan Wittmann - Magna Cum Laude  
- Emma Louise Wright

Bachelor of Science in Exercise Science  
- Katherine Marie Boucher  
- Blake Stanley Dupuis - Summa Cum Laude  
- Hannah Lee Heikinnen - Cum Laude  
- Corey Nicole Miller
Formal Session of the Board of Trustees - Degrees in Course

Michigan Technological University
Degrees Awarded for Conferral Term 201908

Bachelor of Science in Finance
Alison S Whitman
Tumaye Sertse Gessesse
Claire J Haapala - Magna Cum Laude
Nathan W Lajoie
Brandon Michael Oja
Matthew John David Sanregret

Bachelor of Science in Forestry
Karl Thomas Heinonen
Claire Suzanne Hendricks - Cum Laude
Laura Louise Tripp Khoury
Amy Jean Walker
Thor C Wardell
George Thomas Wilson

Bachelor of Science in Geological Engineering
Virginia Lynn Cistaro - Cum Laude
Michele Marie Reaume

Bachelor of Science in Management
Erica Austin
Michael George Betz
John Mang Bawi Lian - Cum Laude
Marcel Zachary Mongeau
Skyler Kim Nelson-Makuch
Brent Thomas Palarz
Kiersten Nicole Schmus
Jaawei Zhang

Bachelor of Science in Management Information Systems
Brandon Franklin Bliss
Elyott Richard Hedmark - Cum Laude
Taylor Gordon Hedmark - Magna Cum Laude
Amanda Cassidy Kloepfer - Cum Laude
Anna Elizabeth Kubek

Bachelor of Science in Marketing
Jeffrey James Ford
Courtney Lynn Meyer
Franchesca Reed Priestap
Samuel Craig Weckler

Bachelor of Science in Materials Science and Engineering
Andrew Patrick Boerman
Lauren Amanda Borowicz
Jacob Alan Coulson
Craig Alan Ekstrum - Cum Laude
Stuart Michael Liburd
Katherine Ann Russell - Cum Laude

Bachelor of Science in Mathematics
Gemma Lynn Oliver

Bachelor of Science in Mechanical Engineering
Jacob Ross Adams
Frederick Gerald Aiken
Dillon Craig Babcock - Summa Cum Laude
Nicholas Bradley Balavich
Helayna Ann Barrett
Jason Edward Bell
Isac Samuel Bench
Eric R Benson
Matthew Richard Bieti
Formal Session of the Board of Trustees - Degrees in Course

Michigan Technological University
Degrees Awarded for Conferral Term 201908

Hunter Case Blakeslee
Olivia Esther Bradford
Matthew Colin Richard Breuer - Magna Cum Laude
Nicholas Karlton Buday
Noah Rinnie Curtis
Landon Eric Davenport
Alexander Paul Davis
James Joseph Doherty
Daniel Michael Donovan - Magna Cum Laude
Donovan Eric Doran - Magna Cum Laude
Stephen Douglas Drake
Michael Richard Drogowski
Max Andrew Ellingson - Cum Laude
Edward Darell Elliott
Austin Schuyler Evans
Nathaniel J Evink
David Raymond Eychaner - Cum Laude
Tia Larae Fedor - Cum Laude
Andrew Dare Finch - Cum Laude
Troy Thomas Flugaur - Summa Cum Laude
Jacob Andrew Frank*
Hannah Patricia Getschman
Daniel C Gielda
Benjamin H Giesler - Magna Cum Laude
Leslie Ann Giesler - Summa Cum Laude
Christopher Michael Grigsby
Marcello Ciro Guadagno
John Curtis Hamilton
Mark Allen Hansen
Rachel Lauren Hicks - Cum Laude
Mattias Mark Hoehnen
Ross Terrance Hogan - Summa Cum Laude
Weiming Huang
Ashley Lynn Hvidhyld
Clare Therese Ivers
Nicholas J Jensen - Magna Cum Laude
Stephanie Renee Jewell
Austin C Kastel
David Menda Kazadi
Austin Michael Krause
Calvin Jacob Kraydich
Sara Anne Kubsik
Keenan John Kurtz - Cum Laude
Stuart Michael Liburd
Austin Allen Linder
Eric Andrew Lipscomb
Gina Alejandra Lozano Jalomo
John Gerald-Lachlan Maclean
Jacob Donald Majors
Nicholas Clayton Mangus
Andrew Christian Marnach
Nicolas Alexander Martin
David John McCole - Summa Cum Laude
Nicholas Todd Moeggenborg - Magna Cum Laude
Riley E Norkett
Morgan Francis O'Brien
Reese William O'Mara
William Paul Omberg
Kennedy K Oparka
George Robert Patterson
Kody A Pawlak - Cum Laude
Xin Peng
Trenton Remington Peters
Brandon A Pietsch - Cum Laude
Maria Victoria Quinde Serrano
Gabriel M Raney
Blake Thomas Salgat
Benjamin Alan Schweikart
Timothy Ernest Shawaryn - Cum Laude
Alexander James Shively
Alexander L Sieler
Jakob Michael Spaulding
Connor Johnstone Spence
Brittany Nicole Stagman - Magna Cum Laude
Zachary John Stanchina
Alexander Louis Starzynski - Cum Laude
John William Liscomb Stough - Magna Cum Laude
Daniel John Tauchen
Nate Matthew Tervo
Brian Peter Torola
Tyler John Urban
James Hunter Van Linn
Thomas Paul Walters - Cum Laude
Michael Henry Warburton
Sean Joseph Wentworth - Cum Laude
Drew Stephen Wilkerson
Nicole Erin Wilson
Benjamin James Wolters
Angela Mary Xydis
Nicholas Edward Yanta - Magna Cum Laude
Charles John Zanon
Benjamin Michael Bogner
Cody Jerome Caelwaerts
Mitchell Gregory Carlson
Alyssa K DePauw - Magna Cum Laude
Devon Daniel DeVriendt

Bachelor of Science in Mechanical Engineering Technology
Benjamin Michael Bogner
Cody Jerome Caelwaerts
Mitchell Gregory Carlson
Alyssa K DePauw - Magna Cum Laude
Devon Daniel DeVriendt
Formal Session of the Board of Trustees - Degrees in Course

Michigan Technological University
Degrees Awarded for Conferral Term 201908

Bachelor of Science in Medical Laboratory Science
- Kayla Anne Bates
- Stephanie Elizabeth O'Neill
- Holly Marie Wilmes

Bachelor of Science in Physics
- Jonathon Edward Berman - Cum Laude

Bachelor of Science in Psychology
- Elise Nicole Brehob
- Adam David Dodge
- Hali Dawn Evans - Magna Cum Laude
- Rose Catherine Hildebrandt - Summa Cum Laude
- Caden Jarvie Sumner

Bachelor of Science in Scientific and Technical Communication
- Sidona Rose DeBrule
- Lindsey Jo Wells

Bachelor of Science in Social Sciences
- Jessica Marie Berryman - Cum Laude

Bachelor of Science in Software Engineering
- Hunter M Chambers
- Brandon Neil Froncek
- Joshua David Hansen
- Daniel Thomas Rutkowski - Summa Cum Laude

Bachelor of Science in Sports and Fitness Management
- Shelby Rae Kellan
- Christopher Michael Luoma
- Ronald James Praet
- Nadine Shandelle Sikora
- Sydney Elizabeth Skalski - Magna Cum Laude

Bachelor of Science in Statistics
- Kylie Lynn Hultema

Bachelor of Science in Surveying Engineering
- Chad Edward Holdwick - Magna Cum Laude

Bachelor of Science in Wildlife Ecology and Management
- Victoria Margaret Engler - Magna Cum Laude
- Nicholas Alexander Littlefield
- Peter Karl Pelon
- Tess Alexandra Peterson
- Samuel Taylor Wynsma

Doctor of Philosophy in Atmospheric Sciences
- Corey David Packard

Doctor of Philosophy in Biological Sciences
- Catherine Eileen Bammert

Doctor of Philosophy in Biomedical Engineering
- Roger John Guillory
- Maria Paula Kasesiga

Doctor of Philosophy in Chemistry
- Matthew Alfred Brege

Doctor of Philosophy in Civil Engineering
- Siyu Chen
- Azad Heidari
- Lingyun You

Doctor of Philosophy in Computer Science
- Jason Scott Hiebel

Doctor of Philosophy in Electrical Engineering
- Khalid Yousuf Khan
- Wensheng Sun
- Hemanth Kumar Vemprala
Formal Session of the Board of Trustees - Degrees in Course  
Michigan Technological University  
Degrees Awarded for Conferral Term 201908

Doctor of Philosophy in Engineering - Environmental Engineering: Padmalathika Varanasi  
Doctor of Philosophy in Environmental and Energy Policy: Erin Michelle Burkett Mayra Sanchez Morgan  
Doctor of Philosophy in Forest Science: Kelsey Richesin Carter Stefan Hupperts Robert Paul Richard Danielle L Rupp  
Doctor of Philosophy in Industrial Heritage and Archaeology: Andrew Charles Mueller  
Doctor of Philosophy in Mathematical Sciences: Ge Feng Ruihao Huang  
Doctor of Philosophy in Mechanical Engineering - Engineering: Mohammed Abdelrahman Abdelaziz Desouky Hui Huang Jianyang Lyu William Angelo Pisani Kayla Lynn Riegner Zhuyong Yang Xiucheng Zhu  
Doctor of Philosophy in Physics: Jinlin Zhang Qi Zhong  
Doctor of Philosophy in Rhetoric, Theory and Culture: Wenjing Liu  
Master of Business Administr. in Business Administration: Drew Edmond Randell Yu-Chun Chang*  
Master of Forestry in Forestry: Sanna Jane Mairet Jodie Linn Dompier Alyssa Lynn Fredin Guibing Zhang Shasha Zhang  
Master of Geographic Info Sci in Geographic Information Science: Claire E Danielson Laura Grace Schaerer  
Master of Science in Accounting: Janet S Lalonde Sabha Salem M Alhewati Claire E Danielson Laura Grace Schaerer  
Master of Science in Applied Science Education: Eyerusalem Addisu Gebreyesus  
Master of Science in Biological Sciences: Shihao Chen Cameron Akira Koizumi Md Ashikur Rahman  
Master of Science in Biomedical Engineering: Anil Silwal Prateek Kumar Prateek Sharma Nolan Robert Stoffer Yilin Wang Yifei Wu  
Master of Science in Civil Engineering: Austriya Thayamma Addanda Janardhan Prajakta Hanmant Chavan
Derek Joseph Chopp
Jayesh Jagdish Jahagirdar
Nirav Manoj Kothari
Dhaval Pravinkumar Nagare
Sushma Panchangam
Trevor Brendan Peffley
Nimisha Rajput*
Aashay Ajit Thatte

Master of Science in Environmental Engineering
Jessica Lynn Alger
Anya Clare Leach
Sarah Jo Martens

Master of Science in Environmental and Energy Policy
Sun Van Nguyen

Master of Science in Forest Ecology and Management
Rafia Rahman

Master of Science in Forest Molecular Genetics and Biotechnology
Munkaila Musah

Master of Science in Forestry
Laura Lea Burmann
Quelyn Rose Bekkering
Thomas J Bodden
Brandi Michelle Petryk
Colin William Tyrrell
Angela Wing Yin Yu

Master of Science in Geophysics
Adren Rigdon
Daniel Brian Trekas

Master of Science in Health Informatics
Darcie-Alysia Deborah Day
Ryan Higbie
Carol Margaret Ways

Master of Science in Industrial Archaeology
Tyler Dean Allen

Master of Science in Kinesiology
Andrew Patrick Meverden

Master of Science in Materials Science and Engineering
Emily Christine Wolbeck

Master of Science in Mathematical Sciences
Zazil Santizo Huerta
Fangyao Zhu

Master of Science in Mechanical Engineering
Sadaf Batool
Shahab Bayani Ahangar
Conor Thomas Berndt
Alenna Janae Beroza
Omkar Sudhakar Bhumkar
Vishnu Prasad Varma Chirakkal Kovilakom
Suyash Sanjay Deshpande
Juned Bashir Inamdar
Ninad Milind Joshi
Raghav Khandelwal
Micah Reed Koller
Andrew Jacob Kotloski
Saurabh Dattatreya Kulkarni
Devika Dilip Mandge
Chaitanya Modi
Suraj Nair
Priyadharsan Narendra Babu
Chinmay Prakash Patil
Saravanan Rajuvel  
Niranjan Uday Raste  
Tyler Matthew Reno  
Shubham Dinesh Shinde  
Omkar Mahesh Shiyekar  
Shivam Srivastava  
Colton Joseph Wesoloski  

Master of Science in Rhetoric, Theory and Culture  
Andrew Darwyn Gray  
Shijia Yan  

Master of Science in Statistics  
Hongjing Xie  

*Addendum to conferral:  
Jacob Frank degree awarded in term Summer 2019  
Yu-Chun Chang, degree awarded in term Summer 2014  
Nimisha Rajput, degree awarded in term Spring 2015  

Michigan Technological University Registrar's Office January 28, 2020
VII-C. 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.
# Formal Session of the Board of Trustees - Off Payroll

## BOARD OF TRUSTEES OFF-PAYROLL REPORT

(November 10, 2019 – January 25, 2020)

### RETIRED

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Department</th>
<th>Title</th>
<th>Most Recent Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ricky Ahola</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Building Mechanic II</td>
<td>09/25/1989</td>
<td>11/30/2019</td>
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<tr>
<td>John Daavettila</td>
<td>Faculty</td>
<td>College of Business / Civil &amp; Environmental Engineering</td>
<td>Associate Professor</td>
<td>08/29/1978</td>
<td>01/11/2020</td>
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<tr>
<td>Carol Frendewey</td>
<td>Staff</td>
<td>Vice President for Research</td>
<td>Sponsored Programs Analyst</td>
<td>09/12/2004</td>
<td>12/16/2019</td>
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<tr>
<td>Christopher Green</td>
<td>Staff</td>
<td>Keweenaw Research Center</td>
<td>Senior Research Engineer I</td>
<td>03/19/1990</td>
<td>01/03/2020</td>
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<tr>
<td>Valerie Holzheimer</td>
<td>Staff</td>
<td>Geological &amp; Mining Engineering &amp; Sciences / Civil &amp; Environmental Engineering</td>
<td>Associate Director</td>
<td>06/06/1983</td>
<td>01/06/2020</td>
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<tr>
<td>Alex Mayer</td>
<td>Faculty</td>
<td>College Forest Resources &amp; Environmental Science</td>
<td>Professor</td>
<td>09/03/1991</td>
<td>01/01/2020</td>
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<tr>
<td>Glenn Mroz</td>
<td>Faculty</td>
<td>College of Business / Civil &amp; Environmental Engineering</td>
<td>Professor</td>
<td>11/29/1976</td>
<td>01/01/2020</td>
</tr>
<tr>
<td>Carol Sickler</td>
<td>Staff</td>
<td>Financial Services &amp; Operations</td>
<td>Office Assistant 5</td>
<td>02/12/2006</td>
<td>01/10/2020</td>
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### OFF-PAYROLL

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Department</th>
<th>Title</th>
<th>Most Recent Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jessica Apger</td>
<td>Staff</td>
<td>Residential Dining</td>
<td>Food Service Helper</td>
<td>03/12/2018</td>
<td>12/28/2019</td>
</tr>
<tr>
<td>Thomas Bauer</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Equipment Operator I</td>
<td>03/27/2017</td>
<td>12/14/2019</td>
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<tr>
<td>Shannon Brodeur</td>
<td>Staff</td>
<td>Human Resources</td>
<td>Employee Wellness Coordinator</td>
<td>09/22/2008</td>
<td>01/14/2020</td>
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<tr>
<td>Stacey Donnelly</td>
<td>Staff</td>
<td>Career Services</td>
<td>Administrative Aide 7</td>
<td>04/27/2015</td>
<td>12/28/2019</td>
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<tr>
<td>Michael Drewyor</td>
<td>Faculty</td>
<td>Civil &amp; Environmental Engineering / College of Business</td>
<td>Professor of Practice</td>
<td>08/15/2011</td>
<td>01/10/2020</td>
</tr>
<tr>
<td>Katherine Edson</td>
<td>Staff</td>
<td>Van Pelt and Opie Library</td>
<td>Collections Librarian</td>
<td>01/16/2017</td>
<td>11/12/2019</td>
</tr>
<tr>
<td>Lisa Hitch</td>
<td>Staff</td>
<td>College of Engineering</td>
<td>Director of Administration</td>
<td>11/12/2007</td>
<td>12/16/2019</td>
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<tr>
<td>Courtney Hohnholt</td>
<td>Staff</td>
<td>Alumni Engagement</td>
<td>Administrative Aide 8</td>
<td>06/17/2019</td>
<td>12/02/2019</td>
</tr>
<tr>
<td>Lauren Kitalong-Will</td>
<td>Staff</td>
<td>Center for Pre-College Outreach</td>
<td>Coordinator</td>
<td>01/16/2017</td>
<td>12/20/2019</td>
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<tr>
<td>Russell Louks</td>
<td>Faculty</td>
<td>College of Business</td>
<td>Professor of Practice</td>
<td>08/20/2012</td>
<td>12/31/2019</td>
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<tr>
<td>Lynn McKinstry</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Custodian</td>
<td>01/04/2016</td>
<td>12/03/2019</td>
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<tr>
<td>Kelsey Perrault</td>
<td>Staff</td>
<td>Biological Sciences</td>
<td>MLS Practicum Coordinator</td>
<td>05/29/2015</td>
<td>12/27/2019</td>
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<tr>
<td>Jason Rice</td>
<td>Staff</td>
<td>Jackson Center for Teaching &amp; Learning</td>
<td>ELI Admin &amp; Tutoring Center Coordinator</td>
<td>06/03/2019</td>
<td>12/20/2019</td>
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<tr>
<td>Laura Wiinikka</td>
<td>Staff</td>
<td>Chemical Engineering</td>
<td>Office Assistant 4</td>
<td>07/15/2019</td>
<td>01/24/2020</td>
</tr>
</tbody>
</table>
VII-D. 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 December 31, 2019
Compared to Prior Year

<table>
<thead>
<tr>
<th>Source</th>
<th>FY20 YTD Total</th>
<th>FY19 YTD Total</th>
<th>FY19 Total</th>
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<tbody>
<tr>
<td>Individuals - Major Gifts (25K and up)</td>
<td>2.31</td>
<td>1.53</td>
<td>7.09</td>
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<tr>
<td>Full Value New Planned Gift Commitments</td>
<td>6.63</td>
<td>2.06</td>
<td>14.69</td>
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<tr>
<td>Annual Giving</td>
<td>1.38</td>
<td>.65</td>
<td>2.76</td>
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<tr>
<td>Corporate Sponsored Research</td>
<td>5.34</td>
<td>3.61</td>
<td>14.75</td>
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<tr>
<td>Corporations</td>
<td>1.78</td>
<td>.55</td>
<td>1.73</td>
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<tr>
<td>Foundations &amp; Other Organizations</td>
<td>.61</td>
<td>.10</td>
<td>1.58</td>
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<tr>
<td>Gifts-in-Kind</td>
<td>.53</td>
<td>.95</td>
<td>1.14</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>18.58</strong></td>
<td><strong>9.45</strong></td>
<td><strong>43.74</strong></td>
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<tr>
<td>Realized Planned Gifts</td>
<td>.15</td>
<td>1.14</td>
<td>3.20</td>
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<tr>
<td><strong>Grand Total</strong></td>
<td><strong>18.73</strong></td>
<td><strong>10.59</strong></td>
<td><strong>46.94</strong></td>
</tr>
</tbody>
</table>

-- 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
VIII. ACTION AND DISCUSSION ITEMS

A. Employee Recognition
B. Proposal for a Bachelor of Science Degree in Human Biology
C. Proposal for a Department of Applied Computing in College of Computing
D. Proposed Board Policy 4.10: Privacy of Personnel Records
E. Resolution of Professional Learning
F. Proposed Amendment to Board Policy 8.6: Enrollment Deposit
G. Proposed Amendment to Board Bylaw 1.14
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.) John Daavettila – 41 years of service
2.) Valerie Holzberger – 36 years of service
3.) Glenn Mroz – 43 years of service
4.) William Tembreull – 43 years of service
VIII-B. PROPOSAL FOR A BACHELOR OF SCIENCE DEGREE IN HUMAN BIOLOGY

The faculty in the Department of Biological Sciences, under the umbrella of the College of Sciences and Arts, seek to establish a Bachelor of Science Degree Program in Human Biology (SHB) degree. The objectives for this degree are to attract and retain students interested in human biology who seek a deeper understanding of fundamental sciences and the scientific method.

This new degree will provide students with a broad understanding of human biology from the chemical through organismal level, and how humans impact and interact with their surrounding environment. It is our mission to prepare human biology graduates to be resilient critical thinkers that are holistically prepared for hands-on contributions in educational, industry, research, and healthcare settings. It will also prepare graduates to be highly competitive for professional medical programs, traditional graduate education, or employment in positions including research, teaching, healthcare, and industry.

The proposal has been approved by the University Senate and the University administration. The University is seeking Board of Trustees approval to advance the proposal to the State Academic Affairs Officers.

RECOMMENDATION: The Board of Trustees approves the Bachelor’s of Science Degree Program in Human Biology.
VIII-C. PROPOSAL FOR A DEPARTMENT OF APPLIED COMPUTING IN COLLEGE OF COMPUTING

As part of the creation of the College of Computing July 1, 2019, the Computer Network and System Administration / Mechatronics, Electrical, and Robotics Engineering Technology / Health Informatics (CMH) programs were housed under a new CMH Division. Faculty specializing in these areas are now part of this division. To further strengthen the College of Computing, by having two academic departments with distinct and complementary missions, the current division faculty as well as the current director are seeking approval for the creation of a new Department of Applied Computing within the College of Computing. The creation of this new Department of Applied Computing will give the unit a unique brand identity in Michigan and nationwide, creating a strong value proposition for prospective students. Approval of the Board of Trustees is required to form a new department at Michigan Technological University

RECOMMENDATION: The Board of Trustees approves the formation of a new Department of Applied Computing within the College of Computing.
VIII-D. PROPOSED BOARD POLICY 4.10: PRIVACY OF PERSONNEL RECORDS

To the extent permitted by law, Michigan Tech seeks to protect the privacy of its employees’ personnel records. The University also seeks to protect the privacy of those who provide feedback as part of a review process. To that end, and in order to ensure that the process of conducting surveys to provide input into employee evaluations supports the goal of ongoing continuous improvement while honoring the needs to maintain collegial and respectful communications and protect the interests of students, faculty, staff, and the University as a whole, anonymous comments made as part of a survey related to employee performance may only be shared with the supervisor of the person being evaluated. In the case of evaluations of department chairs and deans, these comments will also be shared with the provost and president. Comments may only be shared further if necessary to address a violation of university codes of conduct or a violation of the law. This policy does not apply to instructor evaluations.

RECOMMENDATION: That the Board of Trustees adopt Board Policy 4.10 Privacy of Personnel Records.
VIII-E. PROFESSIONAL LEARNING

In order to promote access to Michigan Technological University's educational offerings among a larger segment of Michigan's population and in support of the University's mission to support the industries of the state of Michigan, the University will allow for the equivalent of up to three credits of professional learning delivered by Michigan Tech to be applied toward the requirements of a Michigan Tech graduate certificate or degree. Per-participant charges for non-credit bearing professional learning offerings will be set by Michigan Tech through a process established by the president of Michigan Tech or their designee. The president of Michigan Tech or their designee must pre-approve any professional learning offerings for potential future application toward a graduate certificate or degree.

RECOMMENDATION: The Board of Trustees adopts the Resolution for Professional Learning
VIII-F. PROPOSED AMENDMENT OF BOARD POLICY 8.6

Currently, incoming undergraduate students pay an enrollment deposit of $100 to reserve their space for the following fall semester. This is 100% refundable until May 1 prior to that fall. When the students enroll, this $100 is refunded back to them 150 days after leaving or graduating from Michigan Tech. We have determined that most students have no expectation that this deposit will be returned. In addition, recent changes in NACAC (admissions professional organization) governing principles, as mandated from the Department of Justice, now incent universities to adopt deposit policies that will better reflect prospective student true destination intent. Increasing the enrollment deposit and disallowing a refund will help meet this goal. Accordingly, our intention is to pursue changes to this policy to increase the deposit to $200 and make it non-refundable.

Per the Office of Institutional Research, this change will not impact tuition/fee reporting to the State. And as many of our competitors maintain a non-refundable enrollment deposit of $200 or more, we will still hold a competitive edge in this area (benchmark data is available).

Resources generated from this change will be directed toward further increasing the recruitment capacity of the institution.

The current version of Board Policy 8.6 with redlined changes is below:

8.6 Continuing Enrollment Deposit

All full-time and/or degree seeking undergraduate students are required to pay a $100-200 non-refundable continuing enrollment deposit, refundable within 150 days of leaving the University.

The deposit will be forfeited when a new student fails to enroll except, when in the judgment of the Registrar, the failure to enroll was beyond the control of the student.

Unpaid charges such as library fines, traffic fines, lab deposits, and other fines and penalties to the University, shall be deducted from the refund of the deposit.

The full proposed amended Board Policy 8.6 is as follows:

Board Policy 8.6. Enrollment Deposit

All full time and/or degree seeking undergraduate students are required to pay a $200 non-refundable enrollment deposit.

RECOMMENDATION: That the Board of Trustees approves the amendment to Board Policy 8.6.
VIII-G. PROPOSED AMENDMENT OF BOARD BYLAW 1.14

Under current Board Bylaw 1.14, individuals who wish to address the Board of Trustees on Board-related business need to file their intent to do so with the Secretary of the Board ten (10) business days in advance of the proposed meeting date. The Secretary to the Board endeavors to post the agenda for each Board meeting two (2) weeks in advance of the meeting. However, as reporting is often just being completed, it is not possible to consistently post the Board agenda more than two weeks in advance. Two weeks prior to a Board meeting is typically equivalent to ten (10) business days. As such, Michigan Tech is currently asking members of the public to notify the Secretary to the Board of their desire to speak on the same day that the agenda is posted. As a matter of courtesy and practicality, our intention is to change this bylaw to permit the public to review the agenda prior to the deadline to notify the Secretary of their intent to comment on Board-related business.

The current version of Board Bylaw 1.14 with red-lined changes is below:

1.14 Addressing the Board of Trustees

Any individual who wishes to address the Board of Trustees on Board-related business will file such intent with the Secretary of the Board ten five (10) business days prior to the posted meeting date, unless special or unusual circumstances prevent such filing. The essence of the statement will be in writing and properly signed by the individual wishing to address the Board. Oral presentations will be limited to five (5) minutes unless previous arrangements have been made. No more than thirty (30) minutes shall be allocated on the agenda of each regular meeting of the Board of Trustees for such presentations. At each regular Board of Trustees meeting a maximum of fifteen (15) minutes shall be reserved for comments from the public. Each individual will be restricted to a maximum of three (3) minutes for his/her presentation.

The full proposed amended Board Bylaw 1.14 is as follows:

1.14 Addressing the Board of Trustees

Any individual who wishes to address the Board of Trustees on Board-related business will file such intent with the Secretary of the Board five (5) business days prior to the posted meeting date, unless special or unusual circumstances prevent such filing. The essence of the statement will be in writing and properly signed by the individual wishing to address the Board. Oral presentations will be limited to five (5) minutes unless previous arrangements have been made. No more than thirty (30) minutes shall be allocated on the agenda of each regular meeting of the Board of Trustees for such presentations. At each regular Board of Trustees meeting a maximum of fifteen (15) minutes shall be reserved for comments from the public. Each individual will be restricted to a maximum of three (3) minutes for his/her presentation.

RECOMMENDATION: That the Board of Trustees approves the amendment to Board Bylaw 1.14.
IX. REPORTS

A. H-Stem Building Progress Report - Mike Abbott and Jake Guter
B. Enterprise Program Turns 20! – Rick Berkey
B. Undergraduate Student Government – Melanie Thomas, President
C. Graduate Student Government – Apurva Baruah, President
D. University Senate – Michael Mullens, President
IX-A. H-STEM BUILDING PROJECT UPDATE

Michael Abbott, Director H-STEM Planning and Operations
Jake Guter, Assistant Director, Planning & Construction
H-STEM
Engineering and Health Technologies Complex
Board of Trustees Presentation
SECOND FLOOR – FROM OFFICE CORRIDOR LOOKING TOWARD COLLABORATION
SECOND FLOOR - FROM OFFICE CORRIDOR LOOKING TOWARD CHEM-SCI
Estimated Total Cost Trend
January 21, 2020

Target Cost = $36.85MIL

Michigan Technological University 2/28/2020
Update – 1/22/2020

Penthouse Layout - 1/14
- N stairs eliminated
- Footprint reduced

Steel – 1/17
- Reduced PSF requirements based on vibration clarifications

Addition SF 62,135 SF
Reno SF 10,865 SF
Total Cost $38.7 MIL
Total $/SF $530 / SF
Target Cost $36.85 MIL

(updated owner budget review Jan. 22)
IX-B. ENTERPRISE PROGRAM TURNS 20!

Rick Berkey, Director of Enterprise Program
Enterprise Program 20th Anniversary

Board of Trustees Meeting
28-February 2020

Rick Berkey
Professor of Practice
Director, The Enterprise Program
Outline

• Enterprise History, Mission
• Program Structure
• Enterprise Portfolio & Team Highlights
• External Support
• Impact & ROI
• The Next 20 Years
• Design Expo 2020
• Questions?
1. Industry need
   • Graduates with technical capability PLUS...

2. NSF support
   • 3 year, $750k grant w/ $750k match
   • Interdisciplinary collaboration among engineering, business, humanities

3. Higher education paradigm shift
   • From ‘what is taught’ to ‘what is learned’ (ABET)
Enterprise provides students of any major an environment in which to develop **disciplinary, professional, and entrepreneurial** skills, through the application of knowledge and interests, to client-sponsored, multi-disciplinary, team-based projects.
Program Design

Course modules >
Personalized “employee” development (1-2 credits each)

< Project work
an “employee” of the enterprise
(1-2 credits per semester)

Enterprise Instructional Modules

Technical/Professional Topics
• Alternative Energy
• Design for Manufacturing
• Continuous Improvement
• Industrial Health and Safety
• Six Sigma

Business/Innovation Topics
• Global Competition
• Marketing
• Project Management
• Ideation/Human Centered Design
• Lean Start-up
• Finance & Budget

Interpersonal Topics
• Teaming
• Communication
• Strategic Leadership
• Ethics
• Personal Brand Management
• 7 Habits of Highly Effective People
A “Typical” Enterprise

Each enterprise is a permanent organization that works with internal and external stakeholders to:

- Discover, develop, and evaluate solutions to meet client needs
- Manage multiple projects, schedules, and budgets
- Recruit, develop, and retain members

35 Students
5 Unique majors
20% Women

1st year 2nd year 3rd year
57% 12% 27%
4th year Grad

2% 2%
Portfolio & Team Highlights

- Communications: CinOptic Enterprise
- Human Health & Interface: Innovative Global Solutions
- Software, Electronics, Computers, & Robotics: SENSE
- Environment: green campus enterprise
- Vehicle Design & Transportation: velovations
- Materials & Manufacturing: AMER
- Technology: Michigan Tech Open Source Hardware
Broad External Support
Program Impact

**Annual Impact >>**
- 900+ Students enrolled
- 250 Graduates
- 30+ Majors
- $600k Avg. Annual External Support
- 35-40 Program Sponsors

**<< Program Lifetime**
- 92.0% Graduation Rate
- 95.8% 3rd Year Retention
- 4,821 Alumni and Counting!
- $10M+ Post-Grant External Support
- $750k Initial NSF Grant
“The enterprise program is something that I will always remember since it was my first stepping stone in my engineering career. It's where I learned that working as a team to create something can be an amazing thing. I learned key things in life like communication, contribution and putting the extra effort to get the job done.”

“When I see enterprise on a resume I see someone who is passionate about their major and is taking full advantage of the opportunities MTU has to offer.”

“Enterprise set me up to succeed at grad school and made me more capable to perform my thesis research. The real problem solving and engineering experience was incredibly valuable when approaching a new problem.”

“Hands down the best decision I ever made. It prepared me to be the professional that I am today. If I could do it all over again, I would.”
‘Enterprise Turns 40’: A Vision for the Future

Enterprise in all degree programs

Strategic portfolio expansion, cross-enterprise collaborations

Portrait of 2045

Nationally recognized for leadership, innovation

Endowed program!
Reminder: 2020 Design Expo!

- Our annual showcase event
- MUB Ballroom, April 16, 8-4pm
- By the numbers: 24 enterprises, 50+ Senior Design teams, 1000+ students, 100 judges, >$2,000 in student awards!
IX-C. UNDERGRADUATE STUDENT GOVERNMENT

Melanie Thomas, President
Undergraduate Student Government (USG) Update

February 28, 2020
Melanie Thomas, USG President
Agenda

- New Logo and Crest
- Undergraduate Student Updates and Communication
- Registered Student Organization (RSO) Budget Hearings and Special Budgetary Group (SBG) Review
- The Cycle Project
- Campus Wide Committee Work
- Future Projects and Endeavors
New Logo and Crest

Undergraduate Student Government
At Michigan Tech
Undergraduate Student Updates and Communication

● Goal of the email was to inform undergraduate students of the work USG has been doing

● Main Items Covered in the Email
  ○ Mitch’s Misfits Missing Items
  ○ Digitizing Ways and Means (WAM) documents for increased accountability
  ○ Non-Motorized Transportation Committee
  ○ Mid Fall Semester Break
  ○ Pop-Up Office Hours
  ○ New USG Logo
  ○ Conferences Attended
  ○ Winter Carnival Activities
  ○ Registered Student Organization Budget Hearings
Registered Student Organization (RSO) Budget Hearings and Special Budgetary Group (SBG) Reviews

Registered Student Organization (RSO) Budget Hearings
- Goal: to allocate fair budgets to student organizations across campus
- February 27th - March 1st
- Student Organizations Across Campus
  - MTU is home to over 400 student organizations
    - 247 active
      - 19 Greek, 57 Club Sports, 51 Academic, 7 faith-based, 16 honor societies
    - 12 have been approved since 2019
    - 13 more organizations are in the process of registration

Special Budgetary Group (SBG) Reviews
- 6 organizations reviewed
  - Film Board- SBG Status Granted
  - MUB- SBG Status Granted
  - The Lode- SBG Status Granted
  - WMTU- SBG Status Granted
  - SLS- SBG Status Granted
  - Pep Band- SBG Status Denied
- Committee
  - USG Executive Board
  - 2 USG Members
  - Panhellenic Council President
  - Interfraternity Council VP of Administration
The Cycle Project

- Initiative to provide menstrual products on campus
- Efforts spearheaded by College of Engineering representative, Bryce Walbrun
  - Obtained 2 pallets of liners, equating to approximately 92,100 liners from Kimberly Clark
- Future Endeavors
  - Increase marketing and awareness on campus
  - Set up partnerships to keep the program sustainable
Campus Wide Committee Work

- **Experience Tech Fee**
  - Looking to positively influence the student body’s student experience
- **Non Motorized Transportation**
  - Plan to survey Michigan Tech Community for Non Motorized Transportation needs and structure campus accordingly
- **Commencement 2.0**
- **JED Campus**
- **Director of the Library Search**
- **H-STEM Project**
- **Diversity**
- **HIDE Voting Booth**
Future Projects and Endeavors

- Pursuing Mid Fall Semester Break possibility
- Teacher Evaluation Review
- Constitution Revision Process
- Election of New E-Board and Body Members
- Meet Your Organization
- Spring Fling
Thank You!
IX-D. GRADUATE STUDENT GOVERNMENT

Nathan Ford, President-elect and Daniel Byrne, Vice President
Graduate Student Government of Michigan Tech

Nathan Ford and Daniel Byrne

February 28 2020

Board of Trustees
Michigan Technological University
Agenda

● Spring’20 activities

● Travel Grant report

● Advocacy
  ○ Tams for Graduating PhDs
  ○ Cost of Living survey
  ○ Graduate student support package
  ○ Experience Tech fee
Involvement

- JED Campus initiative
- Non-motorised transportation group
- Extended hours on-campus food options
- Commencement 2.0
- Search committees
Enrichment & Collaboration

Professional Development Workshops / Academic Seminars

- Career Fair Prep Session
- Innovation and Entrepreneurship
- Creating a professional online persona
- Programming for Research in R

Graduate Research Colloquium (GRC)

- Oral and poster presentations - March 31 and April 1.
- Graduate Awards Banquet - evening of April 1.
  - Awards presented - Graduate School awards, GSG awards and GRC presentation awards.
Travel Grant Stats (as of Feb 2)

- Total Applications: 148 (PhD - 97, MS - 51)
  - Presenting: 114 (PhD - 81, MS - 33)
  - Attending: 34 (PhD - 16, MS - 18)

- Total amount: $33,600
  - Presenting: $28,500 @ $250/student (~$21,000 already disbursed)
  - Attending: $5,100 @ $150/student (~$2,200 already disbursed)
Advocacy

➔ Tams for Graduating PhDs

➔ Cost of Living survey
  ○ 180 responses
  ○ Post-processing work-in-process (as of Feb 2)

➔ Graduate student support package
  ○ Stipend & Insurance subsidy for GTA/GTI/GRAs

➔ Experience Tech Fee
Thank You!!
IX-E. UNIVERSITY SENATE

Michael Mullins, President
SENATE APPROVED PROPOSALS

- Proposal 1-20: Ad-Hoc Committee on Senate Meeting Time and Length
- 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 5-20: University Senate in New Employee Orientation
- Resolution 7-20: Emergency Resolution: Sense of the Senate to Condemn Hate Speech, Hate Crimes, and Ethnically and Racially Motivated Intolerance
- Proposal 8-20: Restructuring of Professional Staff in the University Senate
- Resolution 9-20: Senate Resolution on the State of Compensation at Michigan Technological University
- Proposal 2-20: Proposal for a new Bachelor of Science degree in Mathematics and Computer Science
- Proposal 10-20: Establishment of a New Graduate Certificate in Accounting Analytics
- Proposal 11-20: Establishment of a New Graduate Certificate in Forensic Accounting
- Proposal 12-20: Proposal for an Undergraduate Minor in Pre-Health Professions
SENATE APPROVED PROPOSALS CONT.

- Proposal 16-20: Proposal for Transparency in Employee Parking Permit Fees and Transportation Operations Planning
- Proposal 17-20: Senate Resolution on Promoting and Facilitating Tolerance and Understanding at Michigan Technological University
- 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
PENDING PROPOSALS

• Proposal 6-20: Supervisor Training
• Proposal 20-20: Proposal for a Bachelor of Science Degree Program in Human Biology
• Proposal 21-20: Proposal for Minor in Public Health
• Proposal 22-20: Minor in Financial Technology
• Proposal 23-20: Proposal to Change Concentration Title from “Law and Society” to “Policy, Law and Society”
• 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 26-20: Proposal for Minor in the Business of Forestry
• Proposal 27-20: Proposal to Update Senate Procedure 504.1.1: Teaching Effectiveness Evaluations
• Proposal 28-20: Recommendation: The College of Computing requests to establish a Department of Applied Computing
UPCOMING BUSINESS

• Administrative evaluation survey
• Updated proposal on lecturer/research track sabbaticals
• Grant proposal for textbooks and course material accessibility
• On-line course, summer, and overload compensation
Impact of faculty size

- While many areas of Michigan Tech have grown enormously, tenure track/tenured faculty numbers have remained stagnant for many years.
- Non-tenured faculty numbers (including librarians/archivists) have increased slowly.
- Current faculty workloads of teaching, research, and service already have many departments working with overloads.
- To meet the university’s ambitious enrollment and research goals a substantial increase in faculty is needed.
- What is the proper balance of tenure track and tenured to untenured faculty ratio (80/20)?
- Only 3 of 131 Carnegie research I universities have fewer/similar tenure track and tenured faculty numbers.

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<td>339</td>
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<td>555</td>
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<td>57</td>
<td>65</td>
<td>68</td>
<td>70</td>
<td>74</td>
<td>88</td>
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Compendium numbers
X. INFORMATION ITEMS

A. Analysis of Investments
B. Research & Sponsored Programs
C. Advancement & Alumni Relations
D. Media Coverage
E. Employee Safety Statistics
X-A. ANALYSIS OF INVESTMENTS
### Formal Session of the Board of Trustees - Analysis of Investments

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

<table>
<thead>
<tr>
<th>Fund Type</th>
<th>Market Value 6/30/19</th>
<th>Market Value 12/31/19</th>
<th>Fiscal-Year Return</th>
<th>Benchmark Return</th>
<th>Benchmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Money Market Fund</td>
<td>$2,172,599</td>
<td>$1,923,528</td>
<td>0.95%</td>
<td>0.98%</td>
<td>ICE BofA Merrill Lynch US T-Bill Index</td>
</tr>
<tr>
<td><strong>Equity Funds:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core Equity Fund</td>
<td>9,503,043</td>
<td>10,084,102</td>
<td>9.10%</td>
<td>10.92%</td>
<td>S&amp;P 500</td>
</tr>
<tr>
<td>Commonfund Strategic Solutions Equity Fund</td>
<td>5,787,008</td>
<td>6,005,560</td>
<td>7.08%</td>
<td>10.92%</td>
<td>S&amp;P 500</td>
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<tr>
<td>Total Equity Funds</td>
<td>$15,290,051</td>
<td>$16,089,662</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fixed Income Funds:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate Term Fund</td>
<td>7,239,252</td>
<td>7,739,411</td>
<td>0.99%</td>
<td>1.10%</td>
<td>ICE BofA Merrill Lynch 1-3 Yr Treasury</td>
</tr>
<tr>
<td>Commonfund Contingent Asset Portfolio</td>
<td>7,383,558</td>
<td>7,731,175</td>
<td>0.97%</td>
<td>1.10%</td>
<td>ICE BofA Merrill Lynch 1-3 Yr Treasury</td>
</tr>
<tr>
<td>High Quality Bond Fund</td>
<td>5,685,866</td>
<td>5,831,999</td>
<td>2.41%</td>
<td>2.45%</td>
<td>Bloomberg Barclays US Aggregate Bond Index</td>
</tr>
<tr>
<td>Total Fixed Income Funds</td>
<td>$20,308,676</td>
<td>$21,302,585</td>
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<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$37,771,326</td>
<td>$39,315,775</td>
<td>4.15%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Current Asset Allocation

- **Cash Equivalents**: 5%
- **Equities**: 41%
- **Fixed Income - Short Duration**: 39%
- **Fixed Income - Long Duration**: 13%

#### Target Asset Allocation

- **Cash Equivalents**: 5%
- **Equities**: 40%
- **Fixed Income - Short Duration**: 40%
- **Fixed Income - Long Duration**: 13%
X-B. RESEARCH AND SPONSORED PROGRAMS
Sponsored Awards
Fiscal Year 2020
2nd Quarter
Ended Dec. 31, 2019
TOTAL: $34,637,180

Pre-Proposals Submitted
(excluded from Proposals Submitted figures below)
FYTD 2019: 35
FYTD 2020: 28

Proposals Submitted | Awards Received | Awards Received ($) | Variance | Variance %
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Sponsor</td>
<td>FY '20</td>
<td>FY '19</td>
<td>FY '20</td>
<td>FY '19</td>
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<tr>
<td>NASA</td>
<td>34</td>
<td>38</td>
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<td>33</td>
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<td>National Science Foundation</td>
<td>75</td>
<td>83</td>
<td>37</td>
<td>31</td>
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<tr>
<td>US Department of Agriculture</td>
<td>31</td>
<td>46</td>
<td>29</td>
<td>26</td>
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<td>US Department of Defense</td>
<td>53</td>
<td>64</td>
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<td>2</td>
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<tr>
<td>US Department of Energy</td>
<td>23</td>
<td>21</td>
<td>14</td>
<td>8</td>
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<tr>
<td>US Department of HHS</td>
<td>21</td>
<td>21</td>
<td>7</td>
<td>2</td>
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<tr>
<td>US Department of Transportation</td>
<td>4</td>
<td>11</td>
<td>7</td>
<td>7</td>
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<tr>
<td>Other Federal Agencies*</td>
<td>21</td>
<td>20</td>
<td>26</td>
<td>27</td>
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<td>Federal Agency Total</td>
<td>264</td>
<td>307</td>
<td>198</td>
<td>191</td>
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<tr>
<td>State of Michigan</td>
<td>28</td>
<td>32</td>
<td>16</td>
<td>15</td>
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<tr>
<td>Industrial</td>
<td>115</td>
<td>155</td>
<td>82</td>
<td>111</td>
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<tr>
<td>Foreign</td>
<td>13</td>
<td>11</td>
<td>7</td>
<td>10</td>
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<tr>
<td>All Other Sponsors</td>
<td>52</td>
<td>40</td>
<td>25</td>
<td>29</td>
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<td>Subtotal</td>
<td>472</td>
<td>545</td>
<td>328</td>
<td>356</td>
</tr>
<tr>
<td>Gifts**</td>
<td>N/A</td>
<td>N/A</td>
<td>133</td>
<td>149</td>
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<tr>
<td>Crowd Funding</td>
<td>N/A</td>
<td>N/A</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>Grand Total</td>
<td>472</td>
<td>545</td>
<td>471</td>
<td>511</td>
</tr>
</tbody>
</table>


**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.
**Formal Session of the Board of Trustees - Research and Sponsored Programs**

**Vice President for Research**

**Fiscal Year 2020**

**2nd Quarter**

**Ended Dec 31, 2019**

**TOTAL:** $34,637,180

---

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

**Submitting Proposals since 07/01/2019** 56.0%

**On Active Projects as of 12/31/2019** 60.4%

---

<table>
<thead>
<tr>
<th>SPO &amp; OIC Metrics</th>
<th>Administration</th>
<th>College of Business &amp; Economics</th>
<th>College of Computing</th>
<th>College of Engineering</th>
<th>College of Forest Resources &amp; Env Science</th>
<th>College of Sciences &amp; Arts</th>
<th>Pavlis Honors College Administration</th>
<th>Michigan Tech Research Institute</th>
<th>Great Lakes Research Center</th>
<th>Keweenaw Research Center</th>
<th>Great Lakes Research Center</th>
<th>Michigan Tech Research Institute</th>
<th>Pavlis Honors College</th>
<th>School of Technology</th>
<th>Totals</th>
<th>Fiscal Comparison</th>
<th>Percent Change</th>
</tr>
</thead>
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<tr>
<td>Proposals Submitted</td>
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<td>-</td>
<td>21</td>
<td>240</td>
<td>51</td>
<td>70</td>
<td>7</td>
<td>35</td>
<td>35</td>
<td>2</td>
<td>N/A</td>
<td>472</td>
<td>545</td>
<td>-13.4%</td>
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<tr>
<td>Awards Received</td>
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<td>7</td>
<td>15</td>
<td>169</td>
<td>58</td>
<td>44</td>
<td>7</td>
<td>33</td>
<td>38</td>
<td>33</td>
<td>N/A</td>
<td>471</td>
<td>511</td>
<td>-7.8%</td>
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<td>Federal</td>
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<td>3,863,175</td>
<td>1,448,496</td>
<td>4,523,546</td>
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<td>-</td>
<td>2,946,758</td>
<td>1,824,487</td>
<td>-</td>
<td>-</td>
<td>17,308,130</td>
<td>15,966,644</td>
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<td>54,435</td>
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<td>243,968</td>
<td>-</td>
<td>1,638,114</td>
<td>1,595,244</td>
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<td>68,000</td>
<td>451,651</td>
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<td>6,500</td>
<td>-</td>
<td>-</td>
<td>906</td>
<td>-</td>
<td>8,371</td>
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<td>Crowd Funding</td>
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<td>1,295,506</td>
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<td>10,000</td>
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<td>-</td>
<td>3,818,245</td>
<td>4,930,406</td>
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<td>Industry</td>
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<td>-</td>
<td>70,154</td>
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<td>45,100</td>
<td>7,990</td>
<td>-</td>
<td>13,916</td>
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<td>State of MI</td>
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<td>Total $ by Division</td>
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<td>56,053</td>
<td>1,841,320</td>
<td>12,019,405</td>
<td>2,258,036</td>
<td>5,076,356</td>
<td>421,483</td>
<td>5,469,213</td>
<td>4,959,630</td>
<td>249,049</td>
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<td>34,637,180</td>
<td>30,406,524</td>
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<td>Fiscal Comparison</td>
<td>1,455,408</td>
<td>35,500</td>
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<td>14,791,120</td>
<td>2,000,757</td>
<td>3,282,431</td>
<td>253,998</td>
<td>3,824,285</td>
<td>4,150,277</td>
<td>604,398</td>
<td>8,350</td>
<td>30,406,524</td>
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<tr>
<td>Percent Change</td>
<td>57.1%</td>
<td>57.9%</td>
<td>N/A</td>
<td>-18.7%</td>
<td>12.9%</td>
<td>54.7%</td>
<td>65.9%</td>
<td>43.0%</td>
<td>19.5%</td>
<td>-58.8%</td>
<td>N/A</td>
<td>13.9%</td>
<td></td>
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<td></td>
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<tr>
<td>Disclosures Received</td>
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<td>-</td>
<td>6.25%</td>
<td>69.81%</td>
<td>-</td>
<td>23.94%</td>
<td>-</td>
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<td>17</td>
<td>19</td>
<td>-10.5%</td>
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<tr>
<td>Nondisclosure Agreements</td>
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<td>-</td>
<td>1</td>
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<td>44</td>
<td>44</td>
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<td>Patents Filed or Issued</td>
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<td>78.57%</td>
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<td>-</td>
<td>6</td>
<td>12</td>
<td>-50.0%</td>
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<tr>
<td>Gross Royalties</td>
<td>-</td>
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<td>5.88%</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>118,621</td>
<td>165,784</td>
<td>-28.4%</td>
<td></td>
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</tr>
</tbody>
</table>

---

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

2 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).
### Formal Session of the Board of Trustees - Research and Sponsored Programs

**Sponsored Awards**
- **Industry-**
- **COMBINED**

**Fiscal Year 2020**
- **2nd Quarter**
- **Ended Dec 31, 2019**

**TOTAL: $7,137,490**

#### Proposals Submitted

<table>
<thead>
<tr>
<th>Industry Segment</th>
<th>FY '20 as of 12/31</th>
<th>FY '19 as of 12/31</th>
<th>% Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive</td>
<td>51</td>
<td>54</td>
<td>-5.9%</td>
</tr>
<tr>
<td>Business &amp; Economics</td>
<td>1</td>
<td>1</td>
<td>-11.9%</td>
</tr>
<tr>
<td>Chemical</td>
<td>8</td>
<td>3</td>
<td>-12.3%</td>
</tr>
<tr>
<td>Civil</td>
<td>4</td>
<td>6</td>
<td>121.7%</td>
</tr>
<tr>
<td>Consumer Products</td>
<td>9</td>
<td>36</td>
<td>-17.0%</td>
</tr>
<tr>
<td>Defense &amp; Space</td>
<td>16</td>
<td>15</td>
<td>-3.9%</td>
</tr>
<tr>
<td>Energy</td>
<td>4</td>
<td>14</td>
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<tr>
<td>Environmental</td>
<td>-</td>
<td>5</td>
<td>-92.7%</td>
</tr>
<tr>
<td>Health</td>
<td>13</td>
<td>11</td>
<td>65.3%</td>
</tr>
<tr>
<td>Industrial Engineering</td>
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<td>3</td>
<td>42.9%</td>
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<td>4</td>
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<tr>
<td>Mining &amp; Metals</td>
<td>11</td>
<td>10</td>
<td>-58.9%</td>
</tr>
<tr>
<td>Other</td>
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<td>4</td>
<td>46.4%</td>
</tr>
<tr>
<td>Technology</td>
<td>10</td>
<td>11</td>
<td>-39.4%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>141</strong></td>
<td><strong>177</strong></td>
<td><strong>-18.7%</strong></td>
</tr>
</tbody>
</table>

*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.

**Awards Received**

<table>
<thead>
<tr>
<th>Industry Segment</th>
<th>FY '20 as of 12/31</th>
<th>FY '19 as of 12/31</th>
<th>% Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive</td>
<td>51</td>
<td>54</td>
<td>-5.9%</td>
</tr>
<tr>
<td>Business &amp; Economics</td>
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</tr>
<tr>
<td>Civil</td>
<td>4</td>
<td>6</td>
<td>121.7%</td>
</tr>
<tr>
<td>Consumer Products</td>
<td>9</td>
<td>36</td>
<td>-17.0%</td>
</tr>
<tr>
<td>Defense &amp; Space</td>
<td>16</td>
<td>15</td>
<td>-3.9%</td>
</tr>
<tr>
<td>Energy</td>
<td>4</td>
<td>14</td>
<td>-83.2%</td>
</tr>
<tr>
<td>Environmental</td>
<td>-</td>
<td>5</td>
<td>-92.7%</td>
</tr>
<tr>
<td>Health</td>
<td>13</td>
<td>11</td>
<td>65.3%</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>7</td>
<td>3</td>
<td>42.9%</td>
</tr>
<tr>
<td>IT Services</td>
<td>4</td>
<td>4</td>
<td>-53.5%</td>
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<tr>
<td>Mining &amp; Metals</td>
<td>11</td>
<td>10</td>
<td>-58.9%</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
<td>4</td>
<td>46.4%</td>
</tr>
<tr>
<td>Technology</td>
<td>10</td>
<td>11</td>
<td>-39.4%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>141</strong></td>
<td><strong>177</strong></td>
<td><strong>-18.7%</strong></td>
</tr>
</tbody>
</table>

**Awards Received ($)**

<table>
<thead>
<tr>
<th>Industry Segment</th>
<th>FY '20 as of 12/31</th>
<th>FY '19 as of 12/31</th>
<th>% Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive</td>
<td>3,034,446</td>
<td>3,223,911</td>
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<td>Business &amp; Economics</td>
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<tr>
<td>Chemical</td>
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<td>-36,638</td>
</tr>
<tr>
<td>Civil</td>
<td>193,079</td>
<td>87,077</td>
<td>106,002</td>
</tr>
<tr>
<td>Consumer Products</td>
<td>398,984</td>
<td>480,490</td>
<td>-81,506</td>
</tr>
<tr>
<td>Defense &amp; Space</td>
<td>1,523,913</td>
<td>1,586,301</td>
<td>-62,388</td>
</tr>
<tr>
<td>Energy</td>
<td>109,230</td>
<td>297,367</td>
<td>-188,137</td>
</tr>
<tr>
<td>Environmental</td>
<td>12,143</td>
<td>286,867</td>
<td>-274,724</td>
</tr>
<tr>
<td>Health</td>
<td>286,867</td>
<td>286,867</td>
<td>0</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>194,367</td>
<td>194,367</td>
<td>0</td>
</tr>
<tr>
<td>IT Services</td>
<td>218,660</td>
<td>218,660</td>
<td>0</td>
</tr>
<tr>
<td>Mining &amp; Metals</td>
<td>208,539</td>
<td>208,539</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>136,738</td>
<td>530,712</td>
<td>-393,974</td>
</tr>
<tr>
<td>Technology</td>
<td>530,712</td>
<td>530,712</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7,137,490</strong></td>
<td><strong>8,783,348</strong></td>
<td><strong>-1,645,858</strong></td>
</tr>
</tbody>
</table>

*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 December 31, 2019 and December 31, 2018

<table>
<thead>
<tr>
<th>College/School/Division</th>
<th>FY2020</th>
<th>FY2019</th>
<th>Variance</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration*</td>
<td>3,137,079</td>
<td>3,439,309</td>
<td>(302,230)</td>
<td>-8.8%</td>
</tr>
<tr>
<td>College of Business</td>
<td>729,140</td>
<td>745,303</td>
<td>(16,163)</td>
<td>-2.2%</td>
</tr>
<tr>
<td>College of Computing</td>
<td>1,241,125</td>
<td>N/A</td>
<td>1,241,125</td>
<td>N/A</td>
</tr>
<tr>
<td>College of Engineering</td>
<td>13,828,312</td>
<td>14,719,836</td>
<td>(891,524)</td>
<td>-6.1%</td>
</tr>
<tr>
<td>College of Forest Resources &amp; Environmental Science</td>
<td>2,328,983</td>
<td>2,365,375</td>
<td>(36,392)</td>
<td>-1.5%</td>
</tr>
<tr>
<td>College of Science &amp; Arts</td>
<td>6,598,817</td>
<td>7,212,310</td>
<td>(613,493)</td>
<td>-8.5%</td>
</tr>
<tr>
<td>Great Lakes Research Center**</td>
<td>433,218</td>
<td>280,368</td>
<td>152,850</td>
<td>54.5%</td>
</tr>
<tr>
<td>Pavlis Honors College</td>
<td>187,196</td>
<td>182,192</td>
<td>5,004</td>
<td>2.7%</td>
</tr>
<tr>
<td>Keweenaw Research Center (KRC)</td>
<td>3,320,246</td>
<td>3,648,011</td>
<td>(327,765)</td>
<td>-9.0%</td>
</tr>
<tr>
<td>Michigan Tech Research Institute (MTRI)</td>
<td>4,557,288</td>
<td>4,223,781</td>
<td>333,507</td>
<td>7.9%</td>
</tr>
<tr>
<td>School of Technology</td>
<td>N/A</td>
<td>427,576</td>
<td>(427,576)</td>
<td>-100.0%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36,361,404</strong></td>
<td><strong>37,244,061</strong></td>
<td><strong>(882,657)</strong></td>
<td><strong>-2.4%</strong></td>
</tr>
</tbody>
</table>

*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-C. ADVANCEMENT AND ALUMNI RELATIONS
Advancement

- Fundraising as of 12/31/2019 is at $18.58 million which is $9 million more than this time last year.

- Fiscal Year to Date:
  - $6.63 million in planned gifts
  - $150,000 in realized planned gifts
  - $2.31 million in major gifts
  - $1.38 million in annual giving
  - $2.39 million in corporations and foundations
  - $530,000 gifts in kind
  - 60 illustrations, proposals, and gift agreements were provided for donors and advancement staff.
  - 33 executed gift agreements

- Reorganized Advancement and Alumni Engagement to align our structure to maximize growth and resources, strengthen and streamline the fundraising infrastructure, and grow the donor pipeline with a special focus on preparation for a capital campaign.

- Completed wealth and philanthropic activity screening in preparation for H-STEM support and pre-campaign work.

- New Customer Relationship Management (CRM) tools – work is progressing to identify the most appropriate CRM tool to support Advancement efforts throughout campus.

Principal Giving

- There will be two MTF director sponsored presidential events in SW Florida during the week of March 2nd. These will be for a select group of Michigan Tech donors and will provide them with the opportunity to interact with and hear directly from President Koubek in regard to University fundraising plans and other activities. There will also be an event in Ft. Meyers that week for a larger group of alumni and friends. President Koubek will speak, along with Dr. Bill Sproule, Author and Michigan Tech Professor Emeritus, Civil and Environmental Engineering

- Finalized a $1.5 million estate gift for endowed scholarships for women.

- Finalized a $1 million planned gift commitment for an endowed fellowship for graduate students from India, who are studying materials science. We met with the donor in December.

- Working to close a $8+ million planned gift proposal. This will be for scholarships for the College of Sciences and Arts, with an emphasis on physics, chemistry and math. This should close by the end of the 4th quarter of FY’20.

- Working on a $1.6 million planned gift proposal, along with a five-figure outright gift proposal. This proposed gift would be for equipment, endowed scholarships, and an endowed faculty position in the Geological Engineering department, with an emphasis in mining. This should close in the 4th quarter of FY’20 or the first quarter of FY ‘21. We will have a follow-up meeting with the donors in late spring.
Finalizing a $500k planned gift for local scholarship awards, along with a life estate gift to benefit the CFRES and Outdoor Adventure Program. The value of the real estate is approximately $300k. This should close in the 4th quarter of FY'21. We will follow-up in February.

We have an outstanding multi-million dollar proposal for endowed scholarships and endowed faculty positions, with a portion of it benefiting the College of Forest Resources and Environmental Sciences. We met with the donors in December 2019. Estimated to close in FY'21.

Working on a $2 million+ outright proposal for an endowed faculty position in ME-EM. We met with the donor in December 2019. Due to a significant positive event in the donor’s financial situation, we discussed the possibility of an eight figure gift for ME-EM; however, the donor made it clear that for the foreseeable future, they will cap their commitment at $2 million. This should close in the first quarter of FY'21.

Working on a multi-million dollar proposal for faculty position(s) in the College of Computing.

**Foundation Relations**

**Health Related Work:**

- Portage Health Foundation: continue to steward the partnership between Michigan Tech and the Foundation. Hosting our final Making a Difference Scholarship Finalists dinner this March as part of our $2.5M partnership grant that is now in its fifth and final year. Annual report was presented and a professional 2 minute and 12 minute video was completed outlining the outcomes of our partnership. PHF has committed to renewing scholarships, undergraduate research experiences, and graduate fellowship.

- Blue Cross Blue Shield: Attended the Great Lakes Invitational in the Blue Cross Blue Shield of Michigan suite at the invite of Corporate: Community Responsibility team and attended retirement gathering for Nora Malloy (Blue Cross Blue Shield Foundation) which was also attended by health and foundation leaders. Megan Frost and Steve Elmer are serving as Michigan Tech's first reviewers for BCBS Foundation.

- Blue Cross Blue Shield & Michigan Health Endowment Fund: worked with both foundations to obtain support for Michigan Tech to host a UP Grant Planning Workshop in preparation for Upper Peninsula Research Partnership grants (over $400,000 in grants available). The workshop will:
  - Foster new collaborative partnerships between universities, hospitals, and community non-profits
  - Leverage resources to better address community health needs in rural and underserved areas
  - Build capacity for competitive health-related grant proposals to foundations (Robert Wood Johnson Foundation and the William T Grant) and the National Institutes of Health and Health Resources and Services Administration.

- 2-3 submissions planned for the Michigan Health Endowment Fund for spring cycle ($100,000-$500,000).

- Superior Health Foundation: continue to steward a relationship with the SHF; recently attended a grant workshop for developing proposals and will work internally to develop competitive proposals for upcoming grant programs. Grant submissions for 1) hearing loop system in the Rozsa Performing Arts Center (Jared Anderson) and 2) for Community Health Ambassador program (Kari Henquinet).

- Working with Deans and Chairs to put into place a strategic plan for fundraising for the H-STEM building. Mike Olson has created a giving table. Karla Aho has been instrumental in training on the “Art of Making an Ask.” Katie Buehner has supported Bill Robert’s efforts to move forward a new Naming
Policy. Team has been collaborating with University Marketing and Communications and the architects to have materials in place by March.

Other Notable Interactions:
- Keck Foundation did not extend an invitation to Michigan Tech for submission of a Phase II grant ($1M). Dave Reed and Dave Hemmer did an excellent job during phone interview, which resulted in Phase I submission invite. Proposals moving forward need to demonstrate scientific merit but in a way that is digestible and relatable to a highly educated Board of Trustees who are not engineers or scientists. Once we make it to Phase II submission, a Presidential introduction and site visit will be conducted.
- Rozsa Foundation: visit to Calgary to celebrate with the Rozsa family and the University of Calgary the 20th year of Michigan Tech’s Rozsa Center for the Performing Arts this fall. Several opportunities for collaboration were discussed between the University of Calgary, the Rozsa Foundation, and private k-12 schools.
- Director of GM Philanthropy (son currently a Husky), CFO and Program Director from the Michigan Health Endowment Fund, and H.H.G.A Dow Foundation Grant Analyst (son currently a Husky) will be visiting campus during Winter Carnival.
- Forestry: As a result of fruitful conversation with Dean Storer, presented to the faculty of the College of Forest Resources and Environmental Sciences to discuss foundation funding strategies. With the support of Dean Storer, the college is forming faculty teams to develop strategic and competitive proposals for foundation funding with a laser focus on five foundations: Keck, Sloan, Doris Duke, Packard, and Ford.
- Working with COFO of SPIE, Brad Ferguson, to understand the giving capacity (Photonics related) and preparing to make a $100,000 matching request for student scholarships, enterprise projects, research opportunities.

Industry Engagement
- FY20 Q3 Total Corporate Gifts: 33 | FY20 Q2 Total Corporate Giving: $78,605.01
- FY20 YTD Total Corporate Gifts: 218 | FY20 YTD Total Corporate Giving: $1,782,990.88
- FY20 Corporate Giving Goal: $2,000,000 | FY20 YTD Status: 89% of Goal
- FY20 Q2 Corporate Council Highlights:
  - Philanthropy: Secured a three-year, $120,000 commitment from ITC to sponsor 40 scholarships annually (2020-2022) to SYP: Junior Women in Engineering.
  - Research: Notable research awards include MTRI and the Advanced Power Systems Research Center receiving $1.83M from The American Center for Mobility, KRC has received over $1M in renewal testing and validation funding from core winter test partners, and ME-EM received $206,000 to partner with Orbion Technology.
Hosted inaugural “Corporate Relations Summit” on January 20. Over 30 stakeholders from across campus (Advancement, Research, Athletics, Enrollment, Academic Affairs) with corporate engagement responsibilities participated.

**Annual Giving**

2019-2020 numbers so far:

- Overall Annual Giving – Goal of $2.75 million
  - As of January 5, 2020 – $1,234,705, 49% of goal

- Annual Fund (unrestricted) – Goal of $1.5 million
  - As of November 11, 2019 – $594,797, 40% of goal

- Campus Campaign
  - As of January 17, 2020 – 267 employees have donated $116,478 to the Campus Campaign. That is a participation rate of 18%.

**Culture of Philanthropy Programming**

The Michigan Tech Student Foundation (MTSF) participated in:

- The Class Tribute program – helped raise $150 from fellow student stakeholders for the Class Tribute scholarship.

- Giving Tuesday – sold Husky paw prints for Giving Tuesday. The paws read “I gave a dollar to support a scholar”. All monies raised ($78) went to student scholarships.

- Scholarships – The students reviewed applicants and awarded four $1,000 leadership scholarships to current students.

**Solicitations:**

- Our student Call Center is calling lybunts (gave last year but not this year), sybunts (gave some year but not this year) and lapsed. Called 63,000 donors and spoke with 1592. Of those, 365 pledged or gave a gift with $59,757.84 being raised. This is a 22.93% participation rate.

- The class of 1970 gift chairs have offered a $100,000 match. Class gift mailings and emails for reunion year classes went out.

**Alumni Engagement**

- The Alumni Board of Directors will meet during Winter Carnival and will be selecting the 2020 Alumni Award recipients as well as identifying six new Board members. Nominations close in December of odd numbered years (2019) and slate is voted on at the winter carnival meeting (February 2020). Terms begin at the next regular meeting (August 2020).

- The Alumni Board’s Chapter Ambassador program is moving forward and is serving to increase engagement of our regional chapter volunteers.

- Winter Carnival activities at the Alumni House include building Swedish snow lanterns (snölykta), MTU themed buff distribution and hot chocolate by the fireplace.
X-D. MEDIA COVERAGE
Media Report: November 22, 2019 to February 5, 2020
Michigan Technological University
Regular Meeting of the Board of Trustees
February 28, 2020

Overview

| Articles | 1,420 |
| Social shares | 606,420+ |
| Average shares | 427 |
| Journalist shares | 934 |
| Journalist reach | 13.15M |
| Average unique visitors per month (UVM) | 2.48 million |
| Total UVM | 3.53 billion |

Between November 22, 2019 and February 5, 2020, a total of 1,420 articles mentioned Michigan Technological University.
Those 1,420 articles were shared on social media more than 606,420 times.

Journalists shared the articles on Twitter 934 times, resulting in a reach of nearly 13.15 million people:
News Highlights:
Guy Meadows was a featured expert in a Chicago Tribune article on Great Lakes shoreline protection:


Robert Nemiroff was the featured expert on several national outlets regarding the eclipse “Devil’s Horns” phenomenon:


Mark Rudnicki was the featured expert in a Forbes article on mass timber:


An AP article on MTU students commencing work on Winter Carnival snow statues went national and was picked up by many major outlets, including the Houston Chronicle:

X-E. EMPLOYEE SAFETY STATISTICS
<table>
<thead>
<tr>
<th>Category</th>
<th>Years</th>
<th>Employee Classification</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Injury Only w/Medical - No Lost Time</td>
<td>2018</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Lost Time Cases</td>
<td>2018</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>11</td>
<td>18</td>
</tr>
<tr>
<td>Restricted Work Cases</td>
<td>2018</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Occupational Safety and Health Administration (OSHA) Recordable Injuries (Total of above)</td>
<td>2018</td>
<td>8</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>17</td>
<td>28</td>
</tr>
<tr>
<td>Number of Lost Time</td>
<td>2018</td>
<td>47</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>102</td>
<td>227</td>
</tr>
<tr>
<td>Restricted Work Days</td>
<td>2018</td>
<td>14</td>
<td>101</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>399</td>
<td>628</td>
</tr>
<tr>
<td>Total Work Hours</td>
<td>2018</td>
<td>286,090</td>
<td>2,641,888</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>278,569</td>
<td>2,596,363</td>
</tr>
<tr>
<td>Percentage of Work Hours</td>
<td>2018</td>
<td>10.8%</td>
<td>100.0%</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>10.7%</td>
<td>100.0%</td>
</tr>
<tr>
<td>Lost Time Case Rate</td>
<td>2018</td>
<td>4.2</td>
<td>0.8</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>7.9</td>
<td>1.4</td>
</tr>
<tr>
<td>Frequency Rate (Recordable)</td>
<td>2018</td>
<td>5.6</td>
<td>1.1</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>12.2</td>
<td>2.2</td>
</tr>
</tbody>
</table>

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.

1 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.
2 The Frequency Rate is calculated by multiplying the number of recordable cases by 200,000 then dividing by the labor hours at the University.
3 The number of days are total days for the life of the cases first reported during this period.

The Bureau of Labor Statics 2018 reports, for Colleges and Universities over 1,000 employees; the average LOST TIME CASE RATE of days away from work was 0.5 and the average FREQUENCY RATE was 1.7.
XI. OTHER BUSINESS
XII. DATE OF NEXT FORMAL MEETING: MAY 1, 2020
XIII. ADJOURN