

MINUTES OF THE FORMAL SESSION OF THE BOARD OF TRUSTEES OF MICHIGAN TECHNOLOGICAL UNIVERSITY held pursuant to due call Ballroom B of the Memorial Union Building on the campus of Michigan Technological University in the City of Houghton, Michigan at nine o'clock on the morning of February 28, 2020.

The Board of Trustees of Michigan Technological University met in formal session at the University's campus at Michigan Technological University in the City of Houghton, State of Michigan, at 9:00 a.m., on the 28th day of February, in Ballroom B of the Memorial Union Building. The place, hour, and date duly established and duly published for the holding of such a meeting.

The meeting was called to order by the Chair, B. Ryan, and a quorum was declared present. The following members of the Board of Trustees were present:

B. R. Ryan, Chair  
R. J. Jacquart  
W. L. Johnson  
L. D. Kennedy (via phone)  
J. C. Littmann  
S. M. Tomaszewski (via phone)  
S. Schulte, Secretary  
S. Kerry, Treasurer  
R. J. Koubek, ex officio

Also present during part or all of the session were: Jackie Huntoon, John Lehman, William Kordenbrock, Kellie Raffaelli, David D. Reed, William Roberts, Suzanne Sanregret; and various members of the faculty, administrative staff, student body, press and public. Where item numbers are used, they refer to corresponding item numbers in the agenda, in the hands of the Board members.

**I. CALL TO ORDER**

Brenda Ryan, Chair

**II. ROLL CALL**

Sarah Schulte, Secretary

**III. APPROVAL OF AGENDA**

It was moved by W. Johnson, supported by B. Jacquart, and passed by voice vote without dissent, that the agenda of the formal session of February 28, 2020, as distributed to the Board, be approved.

**IV. OPENING REMARKS**

**IV-A. CHAIR OPENING REMARKS**

Brenda Ryan, Chair

This morning, the Board had the opportunity to have breakfast with about 45 students. Whenever we have this opportunity, I am so impressed. Michigan Tech students are bold, they are creative, they are innovative, they care about others, and they are certainly “crazy smart.” We had 193 employers on campus last week for career fair, and those employers are working to get some phenomenal future employees. We know these students are going to be an integral part of the 4<sup>th</sup> Industrial Revolution.

I wanted to take is opportunity speak about the students we dined with this morning. The table I sat at, we had 7-8 students who were all fourth years, they all had co-ops as well as internships and they all have jobs and they are amazing.

I want to highlight just a few of the remarkable things our students are doing:

- A group of students working on technology to study the dark side of the moon landed over \$160,000 from NASA’s BIG Idea Challenge.
- Students at the Sustainability Demonstration House are hosting the Keweenaw’s first waste reduction drive to kick off Earth Week 2020.
- More than 1,880 students were named to the fall Dean’s list – that indicates a GPA of 3.5 or higher.
- On February 15, with a win over Lake Superior State, senior forward Kyle Monroe broke Tech’s men’s basketball all-time scoring record of 2,360 points, which had been held by Larry Grimes since 1972. He concluded the season last night with 2,478 points during the win over Northern Michigan. Post-season play begins on Tuesday.
- And last but not least, the Winter Carnival statues were incredible again this year. The students’ creations never cease to amaze.

While we find these accomplishments impressive, they are not surprising to us. Because each of these achievements takes something that Tech students learn during their time here – and that is

grit. These students simply do not quit when things are hard. More than that, they expect that worthwhile things will be hard. (Perhaps that is in part because despite more than 160" of snow, classes have not been cancelled this year.) Michigan Tech students take challenges in stride and persevere – and we cannot wait to see where that drive continues to take them.

#### **IV-B. PRESIDENT'S OPENING REMARKS**

Rick Koubek, President

Chair, Members of the Board and audience members. Thank you for joining us today. This morning, I would like to share Michigan Tech's five year forecast and then go into a bit more detail on a few of the initiatives we are implementing to help us achieve Michigan Tech's vision to be a premier national university positioned to lead the nation in the 4th Industrial Revolution.

Where are we planning to be five years from now? If successful, a few of the features you shall see include...

- Three out of every four students graduate within five years of enrollment.
- MTU's undergraduate academic experience is forward leaning and one that thoroughly prepares students for their individual definition of post-graduate success.
- The Center for Policy, Ethics and Culture is a nationally recognized leader in this emerging field of study, thanks to a major endowment.
- Our faculty members are generating \$100 million dollars annually in research activity.
- Enrollment increased by 20%, with females representing 33% of MTU's student population, 15% of our student population are underrepresented minorities, and 20% graduate students.
- Multiple faculty hires have been made, which align with areas identified in Tech Forward -- so that we can create unprecedented synergy around areas critical to our mission.
- University operations proactively adapt to foreseeable fluctuations thanks to sound budget modeling. And
- Michigan Tech's philanthropic contributions top \$50 million annually.

So, how do we increase our odds that this becomes reality? To start, we must be an exemplary, excellent academic academy. In the past 18 months, we've launched one new college, four bachelor's degrees, five minors, one concentration and four graduate certificates. This is a remarkable achievement and I would like to call special recognition to our faculty and university senate for this extraordinary effort.

Second, we advance a focused research agenda. Our answer to this is Tech Forward, supported by the new II-STEM facility. Both initiatives are on track.

Third, there is an incessant commitment to student success that permeates campus. For example, most recently, Bonnie Gorman began leading a new charge to implement a data analytics driven model for retention.

Fourth, we must carefully steward our resources: This year, our Senior Vice President for Administration and CFO is leading our campus in a major undertaking to align budget with revenue, and implement a long-range budget modeling program so we continue to invest in our future.

Fifth, the advancement operation is improving how we cultivate and engage our alumni to support our graduates long after graduation. Once a Husky, always a Husky.

## **V. PUBLIC COMMENT PERIOD**

Three groups requested to speak

### **Topic one:**

Elise Rosky spoke on behalf of a student org called Keweenaw Youth for Climate Action. This group has been meeting for the past six (6) months, every week. They currently have 22 active members including undergraduates, graduate students, and youth adults from the community. They are aware that 100 of students and community members are concerned about climate change and want to do anything they can to be part of the solution. They came to introduce their group and to think about ways Michigan Tech, as an institution, can work together with its student body to combating climate change. Elise is an atmospheric Science PhD student. She has been applying for and receiving funding from NASA. Research that addresses climate is one of NASA priorities and it really helps the proposal when it has a component reliant to climate. They hope the Board agrees that climate should be important to Michigan Tech and to take climate change seriously in the name of science, ethics, and public health.

Cameron Whiteside, a member of KYCA (Keweenaw Youth for Climate Action). When it comes to being sustainable, there is only so much that the everyday person is able to do. You can recycle, walk, use paper straws as much as you want, but in the grand scheme of things, it's not very effective. It is becoming increasingly clear that if we want to fight the effect of climate change, action is needed to be taken at all levels, especially the top. KYCA has been spending months thinking of ways that Michigan Tech can take this type of action. The idea that we think will be most effective would be to get the Tech Fund to divest from fossil fuel industry. It will not be an easy process but going through with it, it will elevate us to institutions likes of Cal Arts, Georgetown University, and The University of California, who have paved the way for future universities to divest from the fossil fuel industry. If Tech wants to be a role model for being sustainable, we cannot use our money to funding the industries that are fueling the climate crisis.

Carrie Dlutkowski, a community member and a member of Keweenaw Youth for Climate Action. The group would like helps to understand what Michigan Tech is invested in; what percentage of Tech Fund might be invested in the fossil fuel industry. They hoping that in the future, Tech can advise them if it is possible to view Michigan Tech's investment portfolio.

Gabriel Arendt, a member of Keweenaw Youth for Climate Action and a graduate student in the Geological Mining and Engineering Sciences Department. One the reason they are adamant about pushing for divestment in the fossil fuel industry is that they believe it is fiduciarly responsible of the University to do so. They see investment from firms like Black Rock, the world's largest asset management firm, turning toward

renewable energies and away from its base of fossil fuels and non-renewables. They see this as an opportunity for the University to grow. As government expenditures to Universities decrease they recognize the importance of bring new students into the fold. They believe the sustainable view going forward is a huge movement toward fulfilling that promise. The University framing itself in that light could help advertise the school as more than just an engineering school. The school has to be concerned with the large systemic issue at hand and one that to truly concerned with creating the future. They recognize the importance of the issue and see a multitude of ways the school could benefit. It could grow from an influx of technologies and practices. With this in mind, they ask what the best idea is bring this issue up to the Administration.

Eunice Carlson, member of the Keweenaw Youth for Climate Action and as second year graduate student majoring in mechanical Engineering and minors in Aerospace Engineering and Electrical Engineering. Eunice is the treasure for the Keweenaw Rocket Range, a student org on campus that designs, test, and compete with high powered rockets. As an engineering student, he looks forward to getting out in the real world and solving problems that our society faces. He would like to thank the Board and Michigan Tech for the wonderful opportunity to do so in an ethical and effective manner. He explains that he is a practical person and he believes that practical problems require practical solutions. Science is becoming clearer by the day that we as a species need to change our behavior or suffer the consequences. As an optimist who believes that the fate of humanity laying is the advancement of technology, he wholly rejects the notion that our current level of technology and energy productions is sufficient for our species wellbeing. We know that divestment is a process but if Michigan Tech would like to maintain its status as one of the foremost institutions in the world, for the advancement of technology, we need to consider other alternatives other than our current unsustainable systems. If any Board members are interested in moving forward with their idea of divestment, they would like to hear from them.

**Topic two:**

Sarah Green.

“Hello, my name is Sarah Green, Professor of chemistry and former chair. Thank you for the opportunity to speak today and for your efforts on behalf of Michigan Tech. I’d like to first state that we very much support the H-STEM building and appreciate all the efforts by President Koubek, Provost Huntoon, Facilities, and the committees working to make it a reality.

I take the unusual step of coming to you today because it seems during the final steps that renovations to Chem Sci are falling by the wayside, even though the state of the chemistry research and teaching labs was a primary motivation for initiating the H-STEM project. So, I’d like to provide some history and context for the Chemical Sciences building that may not be known to current Board members or to administrators who have recently arrived.

The Chemical Sciences building was built in 1968 as the Chemistry-Metallurgy Building to house the then joint department of chemistry and chemical engineering, including metallurgy labs . In the 50 years since the building was inaugurated our understanding of

health and safety in chemistry laboratories has undergone dramatic changes. Over the years, staff in Facilities and the departments have made, and continue to make, valiant efforts to adapt antique infrastructure to protect students, staff, and faculty against threats that were not recognized in the 1960s.

During my tenure as chair (2004-2013) it became clear that this old building was not adequate to safely conduct modern chemical research. The subsequent chair, Cary Chabalowski, worked tirelessly to elevate this issue on campus. When he left in 2018 a new chemical storeroom had been completed, several teaching labs had been renovated, and the H-STEM building was on the drawing board, with the promise that funding would include renovations to Chem Sci. I was encouraged to see a fall 2017 description that the new and renovated spaces would “meet industry standards for safe operation and the training of students”. Ongoing concerns about the existing building have been muted in the past several years in anticipation of these promised renovations.

Yet, now it seems that some updates are being postponed yet again. We respectfully request that updates to Chem Sci, especially the air handling system, be included as part of the H-STEM project.

Instead of outlining the specific problems with the Chem Sci building, which are well documented, I will summarize the key issues that drove the initial push for renovations and that we don't see being addressed with the current plan.”

**Topic Three:**

“Hello. My name is Jennifer Rachels and to begin here- even though I only have three minutes- I wanted to tell you a little about myself. I am from Georgia- I got my undergraduate degree from the University of Georgia sometime in the Paleozoic Era...roughly. That means I've had a whole career before going to school for my PhD. I spent years in public administration, managing budgets from at least \$3.2 million to about \$15 million. I've built two high rise buildings; and I'm both a Returned Peace Corps Volunteer and a Veteran of Afghanistan. I tell you these things to make it clear to you that I understand, from the perspective of a Board member, the unintended consequences of well-intentioned decisions. A decision recently made by the Graduate School, announced two weeks ago, qualifies for that designation. I wanted to bring that decision- and its unintended consequences- to you today.

The decision was to- in every department- prohibit fully-supported Master's students with a TA line. The Dean of the Graduate School has made it clear that this policy wont apply to students currently in Michigan Tech's Master's programs, nor will it affect Master's students in fully-funded positions funded with funds from research grants. Its my understanding that this decision might benefit students in some departments that have adopted dysfunctional funding habits, I've also been told that the decision will bring Michigan Tech into alignment with other institutions in a way that could- in conjunction with a myriad of other actions- eventually raise the profile of the University. \*I think we can all agree that this is a good thing.

But here's what else I know: A cursory google of the terms "graduate student funding problems" will reveal a wide array of issues. As we speak, UC Santa Cruz is spending \$300K a day on police presence to control graduate students striking for a cost of living increase. As we speak, on this campus there could be, notionally, a student worker- an unfunded Master's student- who is being bullied by a staff member so that she will quit her job. That student worker, if an international student, cannot work anywhere else, and there is no University policy that protects her. She is not covered by HR policies, nor is this a Title IX incident. The Office of Academic and Community Affairs does not cover these incidents. Yet here we are adding a group of hundreds of these people to this status, with no thought at all about the administrative systems we need to take care of them. And there are other costs: since 2012, graduate students have not been eligible for subsidized loans, which means that a \$20K loan taken out at today's rates becomes \$25K in just three years. All of this, yet here we are reducing available funding for Master's students. Removing any funding line for Master's students, or removing faculty discretion in how they fund the student they have recruited and cultivated, means the loss of an academic pathway for needy students from under-represented groups and could possibly remove leverage this school has for recruiting talented graduate students. [they cut me off here] Prospective graduate students don't just look at funding for their decisions, they also look at campus climate. There is a research consensus that there is a mental health crisis among graduate school students, represented most starkly by a suicide rate that rivals that of combat Veterans. Already, an internal survey revealed that about 30% of our students experience food security, and this policy promises to increase that number. The driver for all of these? Financial stress.

I refuse to believe there is no way to accomplish the Graduate School's goals but to make this decision in the way that they have. I came here you to ask your help for two things:

1. Delay their decision until they can prove that the student services are in place to mitigate the negative effects of it (to include dedicated Master's finishing fellowships, mental health services in languages other than English, cost offsets for health insurance, and alternative funding that preserves the pathways for young scholars who represent the voices of people unrepresented in academia for far too long- including people of color and first-generation scholars). Part of this mitigation effort would be to create a grievance process for student workers.

2. Create metrics *other than PhD enrollment* that indicate the success or failure of this policy. There can't be a cost benefit analysis if the costs of this policy change are hidden from view. The ultimate answer, in terms of decision analysis, is not PhD enrollment or research output, but the answer to the question of whether or not you have done the right thing or the wrong thing.

For my part, I organized a meeting recently where a group of graduate students from four different departments made a more complete list of negative effects of this policy and how to address them. I'd be happy share that list with you."

## **VI. COMMITTEE REPORTS**

### **VI-A. Academic Affairs Committee**

Jackie Huntoon, Provost

Jackie Huntoon noted that two members of the Academic Affairs Committee were not able to meet in person. To accommodate the committee members, they met by phone conference on February 7, 2020. During the conference call, the committee discussed several proposals that on today's agenda. The committee recommended support for all proposals from the full Board. In addition, the committee discussed upcoming business related to honors and distinctions they anticipate that topic will come up again at future Board meetings.

### **VI-B. Audit and Finance Committee**

Jeff Littmann, Chair

The Audit and Finance Committee meet once since the last Board meeting. The university's financial position and our outlook for FY 20 was reviewed by the committee which included the spring enrollment update, second quarter results, along with the general fund and current fund projections based on the second quarter actuals. On an annual basis the committee reviews historical trends and leading indicators for our revenues, expenses, and investments. Also reviewed were the five-year historical metrics and a five-year target for enrollment and employment, including diversity and dashboard metrics. As mentioned earlier, Dr. Koubek is leading an effort to update and expand our performance, positioning, and leading indicator dashboards. This will give the Board terrific situational awareness and materially advance our understanding our position of the University today and going forward.

Other items reviewed by the Audit and Finance Committee included our operating investment guidelines, our capital projects update, and our bonding refund update.

Special tasks that were completed by the committee this period included the development of a new committee charter, delineating all the tasks and responsibilities of the committee, and a related calendar matrix make sure we have designated which meeting that we will accomplish each of our assigned tasks.

Special projects going forward, lead our new CFO, Susan Kerry and her team, are undertaking a campus wide facilities assessment. This will an inventory of our physical spaces, the identification of our maintenance and upgrade scheduling, and long-term planning scenarios.

We are also working to install new budgeting software and a new annual Board financial analysis. These will also greatly improve the Board's understanding of our current and future positioning. The committee is also working with our new inhouse Counsel, Sarah Schulte, to define the risk management area that will under the oversight of this committee.



In preparing and planning for next fiscal year, the Trustees reviewed the FY 21 room, board, and tuition scenarios and will be prepared to make a recommendation to the Board going forward on those subjects.

**V. CONSENT AGENDA**

It was moved by B. Jacquart, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees approve and adopt the items contained in the Consent Agenda.

**V-A. Approval of Minutes**

It was moved by B. Jacquart, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees approve and adopt the items contained in the Consent Agenda.

**V-B. Degrees in Course**

It was moved by B. Jacquart, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees approve and adopt the items contained in the Consent Agenda.



**Michigan  
Technological  
University**

*Registrar's Office*

**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

11106  
2/28/2020

Michigan Technological University  
Degrees Awarded for Conferral Term 201908

Bachelor of Arts in Communication, Culture, and Media	Michael James Maple
Bachelor of Arts in English	Madison Raneé Pfahler
Bachelor of Arts in Scientific and Technical Communication	Tahisha Rene Hicks
	Thomas Phillip Autio
	Zachary David Marten
	Tyler Douglas Morgan
	Zachary S Nicholas
Bachelor of Arts in Sound Design	Sarah Jeanne Marie Calvert
Bachelor of Science in Accounting	Shannon Eve Forsberg
	Jordan Bruce Janssen - Magna Cum Laude
	Ryan Matthew Kesti
	Daniel George Schudlich
	Jamie Ann Sertich
Bachelor of Science in Anthropology	Charles Robert Fugate
Bachelor of Science in Applied Ecology and Environmental Science	Lauren Marcia Cohen - Magna Cum Laude
	Benjamin Daniel Miller - Cum Laude
Bachelor of Science in Applied Geophysics	Allan Makai Kambindama
Bachelor of Science in Audio Production and Technology	Maya Ellen Ablao
Bachelor of Science in Biochemistry and Molecular Biology	Savannah M Joslin
	Penny Jane Nowlin - Cum Laude
Bachelor of Science in Bioinformatics	William Leo Crumb
Bachelor of Science in Biological Sciences	Alexander Orion Pohl
	Gavin Mark Rye - Magna Cum Laude
	Nicholas Walli
Bachelor of Science in Biomedical Engineering	Bailey Rae Feddick - Magna Cum Laude
	Jacob James Formolo
	Stephanie Renee Jewell
	Leigh Therese Schindler
Bachelor of Science in Chemical Engineering	Trent Alexander Daenzer
	Jordan Reginald Dopp - Cum Laude
	Nicholas Brian Lueder - Summa Cum Laude
Bachelor of Science in Chemistry	Nathan Robert Conner - Cum Laude
Bachelor of Science in Civil Engineering	Hunter M Austin
	Jacob Michael Bouman
	Mia Cheyenne Cochrane
	Nicholas Nash Cortes
	Carley Michelle Davis - Cum Laude
	Kate Elizabeth Dorman
	Mario Dos Santos Neto
	Joshua Francis Eckert
	Kelsey M Fournier
	Evan Matthew Gornick
	David Daniel Goschka
	Morgan Elizabeth Green
	Michelle Renee Hart - Magna Cum Laude
	Samantha Renata Kiluk
	Ethan Micheal Knake
	Jack Edward Krueger

11107  
2/28/2020

Michigan Technological University  
Degrees Awarded for Conferral Term 201908

Bachelor of Science in Computer Engineering

Jason Daniel Lindbeck  
Veronica I Lynch - Cum Laude  
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  
Peter Edwin Amundsen - Cum Laude  
Stephen Russell Ardanowski  
Thomas DeVoe  
David John English - Summa Cum Laude  
Austin Kane Erva  
Mark Joseph Jablonsky  
Andrew Dean Kirkum - Cum Laude  
Corrina Elizabeth Kissam  
Ryan Heinz Koemer  
Jacob Michael Loss - Cum Laude  
Natalie Jean McGrath - Cum Laude  
Eric Leonard Pivoris  
Joseph C Rabaut - Summa Cum Laude  
Samuel Daniel Solverson - Summa Cum Laude  
Andrew J Stanley

Bachelor of Science in Computer Network and System Administration

Jacob John Black - Cum Laude  
Edward David Dobjja  
Zachary Rhys Jones  
Matthew Brian Link - Cum Laude  
Robert Verlyn Rollins - Cum Laude  
Gabriel Christian Toman - Cum Laude  
Philip James Vaglica - 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  
Tyler Lee Eichten - Magna 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

11108  
2/28/2020

Michigan Technological University  
Degrees Awarded for Conferral Term 201908

Bachelor of Science in Construction Management

John K Ryyananen - 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

Xavler 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 - Magna Cum 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 Kusters - 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 Szaichler - 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 Heikkinen - Cum Laude

Corey Nicole Miller

11109  
2/28/2020

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
Bachelor of Science in Forestry	Matthew John David Sanregret 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 Jiawei 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 Daniel John Stebic - Summa Cum Laude
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

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

Michigan Technological University  
Degrees Awarded for Conferral Term 201908

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 Xydís  
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



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Michigan Technological University  
Degrees Awarded for Conferral Term 201908

	Chrispin James Johnston
	Raymond Edward Miller
	Bradley James Ray
	Austin James Reynolds
	Cory John Rozeveld
	Austin James Smith
	Jack Robert Warning - Cum Laude
	Jordan Francis Zondlak
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 Huitema
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 Kwesiga
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

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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
Master of Engineering in Engineering	Yu-Chun Chang*
Master of Forestry in Forestry	Elizabeth Montgomery Barnes
	Patrick John Diedrich
	Lauren S Kamp
	Jamal Anthony Palmer
	Ryan Douglas Warmboe
Master of Geographic Info Sci in Geographic Information Science	Sanna Jane Mairat
Master of Science in Accounting	Jodie Linn Dompier
	Alyssa Lynn Fredin
	Guibing Zhang
	Shasha Zhang
Master of Science in Applied Science Education	Janet S Lalonde
Master of Science in Biological Sciences	Sabha Salem M Alhewati
	Claire E Danielson
	Laura Grace Schaerer
Master of Science in Biomedical Engineering	Eyerusalem Addisu Gebreyesus
Master of Science in Civil Engineering	Shihao Chen
	Cameron Akira Koizumi
	Md Ashikur Rahman
Master of Science in Computer Science	Anil Silwal
Master of Science in Data Science	Prateek Kumar
	Prateek Sharma
	Nolan Robert Stoffer
	Yilin Wang
	Yifei Wu
Master of Science in Electrical Engineering	Austriya Thayamma Addanda Janardhan
	Prajakta Hanmant Chavan

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Michigan Technological University  
Degrees Awarded for Conferral Term 201908

	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
Master of Science in Geology	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 Kovliakom
	Suyash Sanjay Deshpande
	Juned Bashir Inamdar
	Ninad Milind Joshi
	Raghav Khandelwal
	Micah Reed Koller
	Andrew Jacob Kotloski
	Saurabh Dattatrey Kulkarni
	Devika Dilip Mandge
	Chaitanya Modi
	Suraj Nair
	Priyadharshan Narendra Babu
	Chinmay Prakash Patil

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Michigan Technological University  
Degrees Awarded for Conferral Term 201908

Master of Science in Rhetoric, Theory and Culture  
Master of Science in Statistics

Saravanan Rajuvel  
Niranjan Uday Raste  
Tyler Matthew Reno  
Shubham Dinesh Shinde  
Omkar Mahesh Shiyekar  
Shivam Srivastava  
Colton Joseph Wesoloski  
Andrew Darwyn Gray  
Hongjing Xie  
Shijia Yan

\*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

**V-C. Resignations, Retirements, and Off Payroll**

It was moved by B. Jacquart, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees approve and adopt the items contained in the Consent Agenda.

RETIRED					
Name	Class	Department	Title	Most Recent Hire Date	Term Date
Ricky Ahola	Staff	Facilities Management	Building Mechanic II	09/25/1989	11/30/2019
John Daavettila	Faculty	College of Business / Civil & Environmental Engineering	Associate Professor	08/29/1978	01/11/2020
Carol Frendewey	Staff	Vice President for Research	Sponsored Programs Analyst	09/15/2004	12/16/2019
Christopher Green	Staff	Keweenaw Research Center	Senior Research Engineer I	03/19/1990	01/03/2020
Valerie Holzberger	Staff	Institutional Equity	Associate Director	06/06/1983	01/06/2020
Alex Mayer	Faculty	Geological & Mining Engineering & Sciences / Civil & Environmental Engineering	Professor	09/03/1991	01/01/2020
Glenn Mroz	Faculty	College Forest Resources & Environmental Science	Professor	11/29/1976	01/01/2020
Carol Sickler	Staff	Financial Services & Operations	Office Assistant 5	02/12/2006	01/10/2020

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

**V-D. Gifts**

It was moved by B. Jacquart, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees approve and adopt the items contained in the Consent Agenda.

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

Source	FY20 YTD Total	FY19 YTD Total	FY19 Total
Individuals - Major Gifts (25K and up)	2.31	1.53	7.09
Full Value New Planned Gift Commitments	6.63	2.06	14.69
<u>Annual Giving</u>	<u>1.39</u>	<u>.65</u>	<u>2.76</u>
Corporate Sponsored Research Corporations	5.34	3.61	14.75
Foundations & Other Organizations	.61	.10	1.58
Gifts-in-Kind	.53	.95	1.14
<b>Total</b>	<b>18.58</b>	<b>9.45</b>	<b>43.74</b>
Realized Planned Gifts	.15	1.14	<u>3.20</u>
<b>Grand Total</b>	<b>18.73</b>	<b>10.59</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

**VIII. ACTION AND DISCUSSION ITEMS**

**VIII-A. Employee Recognition**

It was moved by D. Sanders, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees adopts the Resolution of Appreciation for the following individual:

- 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**

It was moved by D. Sanders, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees approval the Bachelor of Science Degree in Human Biology.

**VIII-C. Proposal for a Department of Applied Computing in the College of Computing**

It was moved by B. Jacquart, supported by J. Littmann, and passed by voice vote without dissent that the Board of Trustees approves the Department of Applied Computing.

**VIII-D. Proposed Board Policy 4.10: Privacy of Personnel Records**

It was moved by L. Kennedy, supported by D. Sanders, and passed by voice vote without dissent that the Board of Trustees approve Board Policy 4.10.

**VIII-E. Resolution on Professional Learning**

**This resolution was tabled by the Board without dissent and will be taken up on a future date.**

**VIII-F. Proposed Amendment to Board Policy 8.6: Enrollment Deposit**

It was moved by J. Littmann, supported by B. Johnson, and passed by voice vote without dissent that the Board of Trustees approve the amendment to Board Policy 8.6.

**VIII-G. Proposed Amendment of Board Bylaw 1.14**

It was moved by J. Littmann, supported by B. Jacquart, and passed by voice vote without dissent that the Board of Trustees approve the amendment to Board Policy 1.14.

**IX. REPORTS**

- IX-A. H-Stem Building Progress Report- Mike Abbott and Jake Guter**
- IX-B. Enterprise Program turns 20!- Rick Berkey, Director of Enterprise Program**
- IX-C. Undergraduate Student Government - Melanie Thomas, President**
- IX-D. Graduate Student Government - Apurva Baruah, President**
- IX-E. University Senate - Mike Mullins, President**

Copies of these reports were included in the agenda book.

**X. INFORMATIONAL ITEMS**

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

**XI. OTHER BUSINESS**

There was no other business at this time.

**XII. DATE FOR NEXT FORMAL MEETING: May 20, 2020**

**XIII. ADJOURN**

It was moved by J. Littmann, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees meeting be adjourned.

  
Secretary to the Board of Trustees

  
Chair, Board of Trustees