MINUTES OF THE FORMAL SPECIAL SESSION OF THE BOARD OF TRUSTEES OF MICHIGAN TECHNOLOGICAL UNIVERSITY held pursuant to due call in 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 25, 2022.

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 25th day of February, in Ballroom B of the Memorial Union Building. The place, hour, and date are duly established and duly published for the holding of such a meeting.

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

- A. Dickson (by telephone)
- J. E. Jipping (by telephone)
- M. D. Johnson
- J. C. Littmann, Chair
- B. R. Ryan, Vice Chair
- D. D. Sanders (by telephone)
- S. M. Tomaszewski
- S. Schulte, Secretary
- S. Kerry, Treasurer
- R. J. Koubek, ex officio

Also present during part or all of the session were: Wallace Southerland III, Wayne Gersie, Jackie Huntoon, John Lehman, William Kordenbrock, David D. Reed, William Roberts, Suzanne Sanregret, Sarah Schulte, 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

II. ROLL CALL

III. APPROVAL OF AGENDA

It was moved by B. Ryan, supported by S. Tomaszewski, and passed by voice vote without dissent, that the agenda of the formal session of February 25, 2022, as distributed to the Board, be approved.

IV. OPENING REMARKS

A. Chair’s Comments

Good Morning to everyone who made it here today. I first want to acknowledge the Russian invasion of Ukraine. Our thoughts are with those impacted, including those in our Husky community.

Turning the focus to campus, it is certainly winter in the Keweenaw, and we have three (3) Board members on the phone to show for it. It is always important to our Board to be here in person, and to those who tried only to have their flights canceled, I want you each to know that I empathize with you. In fact, at our last Board meeting, I was not there. My flight circled Iron Mountain four (4) times before diverting to Traverse City and then on to Minneapolis. I got off the flight in Traverse City and went back to Detroit.

This is not my first trip to Houghton this month, as my wife and I had the great pleasure of coming up during the celebration of the 100th Winter Carnival. What a wonderful event! To Blue Key - congratulations on your management of a very well-run event. Winter Carnival encompasses so much more than many realize - the All-Nighter and Snow Statues are spectacular. But not to be forgotten are the many other events, including dog sled rides, curling, speed skating, snow volleyball, snow soccer, cross country skiing, broomball, Michigan Tech Hockey, the Torchlight parade, and the fireworks show.

One of the many highlights of my Winter Carnival visit was having the privilege of being one of the judges for the snow statues competition and seeing them all in their perfection on Thursday morning. I will admit, I was pretty nervous. I have great respect for the creativity, the work effort, and the ingenuity that went into these entries. At breakfast, before going out to judge, I expressed my nervousness to the group at the table, and one of the gals at the table leaned in and said, “You should be nervous!” That wasn’t the positive reinforcement I was looking for. The month-long statues, in particular, are breathtaking, and this year’s winner - Phi Kappa Tau in Hancock - their incredible depictions of old-world Copper Country is truly one for the ages. I took a video of the winner and sent it to colleagues, and one of my colleagues, in Dallas said, “Which one did you vote for?” I said, “No, no, everything in the video was one entry.” She
responded, “That’s amazing. That should be on national news.” And, she’s right, that was an amazing production.

When I visit Michigan Tech, what repeatedly stands out to me - during my Winter Carnival visit, in Board meetings, in meetings with students, faculty, and staff, and in courses that I’ve taught as a guest lecturer and audited is the supportive environment that our campus community has created and values. Within the Husky community, people genuinely care about one another’s success, and this environment helps us all be better.

I was reminded of this when reading about Michigan Tech student-athlete alum Deedra Irwin, who just recorded the highest ever placing of a US biathlete in the Olympics. She said: “Being at Michigan Tech, seeing how supportive the faculty members were and how influential my teammates were, it really taught me how to lean on other people and be able to work with my surroundings really well. I think it’s really helped me in my professional career.” Deedra’s experience - she was a 3.9 student as well as a successful athlete and her sentiment is the epitome of the Tech experience. At Michigan Tech, we meet students where they are, care about them, help them learn the skills they need for life, prepare them to go out into the world to be leaders - and do great things.

Along these same lines, I also want to take a moment to commend the 2020 recipients of the Distinguished Teaching Awards, which we are now in the process of announcing due to COVID-related delays.

They are Dr. Melissa Baird and Mr. Mike Hyslop. While they teach in different areas, the common theme is the preparation of their students for work after school - an area that Michigan Tech values and in which it excels.

Dr. Melissa Baird is an Associate Professor of Anthropology. In Dean Hemmer’s words: Dr. Baird is a perfect example of the teacher-scholar. She is a distinguished anthropologist and president of her discipline’s national organization, yet she is also passionate about her teaching and a great advocate for involving undergraduates in research. Michigan Tech is fortunate to have her on the faculty!

Dr. Baird challenges her students with lessons - such as case studies - that model the skills they will need after graduation. They learn to think analytically and interact professionally, as they are asked to engage respectfully with one another and thoughtfully discuss complicated issues.

Mike Hyslop is a long-time employee and principal lecturer in the College of Forest Resources and Environmental Science who is currently earning his Ph.D. here at Michigan Tech but is already making a remarkable impact on the lives of the students. Dean Storer describes Mike as An outstanding teacher who is very effective at relating to students as they develop their skills in geospatial sciences. His classes have significant lab and field components, and these merge new technologies with understanding landscapes and geomorphology. Mike cares about student learning and has received our College distinguished faculty member award from students on a number of occasions. Once students have taken a class with Mike, he continues to mentor them
as they utilize technological tools developed in his classes and apply them in their later studies. This mentorship often also extends into the workplace as our graduates embark on their careers.

Mike describes his teaching as including many dad jokes and puns (Such as: “That’s a gneiss rock - don’t take it for granite.”) I have to admit I had to Google G-N-E-I-S-S to get the joke. He is also committed to preparing students for work after school, teaching them the technological and practical skills necessary to succeed.

With their focus on students’ long-term success, it is no surprise that these remarkable faculty were awarded the Distinguished Teaching Awards. On behalf of the Board, I extend our congratulations to them on their awards and our appreciation for their important work.

B. President’s Comments

Chair, Members of the Board, and audience members. Thank you for joining us this morning.

I want to begin by recognizing the many faculty and staff who assisted with Michigan Tech’s re-accreditation process by the Higher Learning Commission, especially Alex Guth, Amie Ledgerwood, Jean Kampe, and Provost Huntoon, among many others.

The report, done every ten (10) years, cited several areas of excellence and noted no interim report needed. This is quite an accomplishment for any university and demonstrates a commitment, as Chair Littmann talked about, by everyone in our community to academic excellence. On behalf of the entire university, thank you for your hard work over the past year.

At the 2021 BOT retreat last year, the Board of Trustees met with senior leadership to conduct a SWOT analysis. At that time, we explored future trends in higher education and mapped those back to our institutional strengths and weaknesses. Our homework over the past year was to chart a course of action that would leverage our strengths and advance on our weaknesses. This week we met once again for the 2022 MTU Board of Trustees retreat.

We walked away embracing the statement:

**Michigan Tech is “Michigan’s Flagship Technological University.”**

And while we are indeed a great institution, we must continue to lean forward in our thinking to move forward as a university.

Today I want to share six themes that were embraced this year at the retreat:

First, Continue advancing the Tech Forward areas identified by our faculty and staff in 2018-19. We are committed to those areas, and we will continue to press forward vigorously in the areas you identified.

Second, This fall begins a faculty hiring initiative to increase our tenure-track and non-tenure-track faculty, with a goal of 400 by 2035, provided enrollment grows as well.

Third, committed to improving the campus footprint with renovations, new student housing, updated academic space, and updated student space through the execution of our campus master plan that many of you have helped do. We are excited to see shovels in the ground fairly soon.
Fourth, establish a larger and more racially and geographically diverse student body with a goal of 10,000 students by 2035. We are making progress, thanks to the work of our campus.

Fifth, more vigorously pursue national recognition for the excellence resides in Michigan Tech students, faculty, and staff. We are excellent, and we want everyone to know how great you are; and we’re committed to making sure that happens across the nation. You are excellent our students, faculty, and staff.

And finally, launch a university fundraising campaign to provide support for scholarships for our students; professorships for our faculty; facilities for our faculty, staff, and students; enhance the funding for academic programs; and greater support for athletics.

I would like to again thank our Board and the University body for their vision, insight, and inspiration in helping us as Michigan’s Flagship Technological university.

Finally, as a community and country dedicated to freedom, democracy, and the free exchange of ideas, our thoughts are with the citizens of Ukraine. We hope for a swift end to the conflict and that peace will prevail.

V. PUBLIC COMMENT PERIOD

Chair Littmann states:

Our time for public speaking is set at fifteen (15) minutes under Board Bylaw 1.14. With eleven (11) speakers here today, this would only allow each individual to speak for one (1) minute and twenty-one (21) seconds. Out of respect for the Husky committee members, who come before us today, and noting that today’s number of public speakers is unusually high, I ask the Board of Trustees to temporarily suspend Board Bylaw 1.14 to allow for additional seven (7) minutes of speaking time. This will allow each individual two (2) minutes of speaking time this morning.

It was moved by S. Tomaszewski, supported by M. Johnson, and passed by voice vote without dissent, that the Board of Trustees temporarily suspends Board Bylaw 1.14, for today’s meeting.

So that everyone has a chance to speak, we ask that everyone respectively complies with the two (2) minute limitation. If you feel you were not able to communicate your message to us today fully, you are more than welcome to submit additional written comments to Secretary, who will ensure the Board receives them.

David Robb, a cook at Wadsworth Hall, spoke regarding the challenge of being understaffed, the need for a pay increase, and the need for Michigan Tech to be the best place to work.

Jim Newman, a custodian at McNair Hall, spoke about the challenge of understaffing and how it makes it hard to meet the needs of the students.
D’neen Kerttu, a custodian, spoke about the need for higher compensation.

Steve Store, AFSCME union president, spoke about challenges in dining services and the need for a pay raise, and pandemic pay.

Lacy Cygan, a former dining services employee, spoke about problems in dining services.

Gabriel Ahrendt, a third-year Ph.D. student in the Geology department and member of KYCA, spoke in favor of divestment.

Francine Rosinski, a 2nd-year environmental engineering student and a member of KYCA, spoke in favor of divestment.

Evan Lanese, a Michigan Tech Alumni with a Master’s in Geology specifically Hazard Mitigation, and an employee at Western UP Planning and Development Region (WUPPDR), spoke in favor of divestment.

Sushree Dash, an international Ph.D. student in Physics and member of KYCA, spoke in favor of divestment.

Elise Rosky, a Ph.D. student in atmospheric physics and KYCA, spoke in favor of divestment.

Riley Powers, a third-year undergraduate student, spoke regarding online accommodations for students during COVID-19.

VI. COMMITTEE REPORTS

A. Academic Affairs Committee

Trustee Jipping provided the Academic Affairs Committee report on behalf of Trustee Bacon. The Committee covered three (3) items up for consideration at today’s Board meeting.

First, the recommendation for Emeritus rank for Dr. CK Shene, Computer Science in the College of Computing.

The second item is a new degree proposal for the establishment of the new Master of Science degree in Manufacturing Engineering.

The third recommendation to the Board is two (2) updates to the faculty handbook.

1. Addition of Section 2.5 Role of Innovation and Commercialization

2. Addition of Section 2.6 Role of Diversity, Equity, and Inclusion

The General Counsel included a memo outlining an administrative recommendation to the Board, related to how the two proposals were ratified by the Senate. With consideration for the administrative item, the Academic Affairs Committee recommends the full Board approve the updates to the Faculty handbook.
The last item on the agenda was to review the draft charter for the Academic Affairs Committee. After review, the Committee made minor changes including recognition that the Academic Affairs Committee regularly met with undergraduate student government, graduate student government, and the officers of the University Senate, at each Committee meeting. This action will be embedded into the charter as a standard practice of the Committee.

The above items were presented for consideration to the full Board, later in the meeting.

**B. Audit and Finance Committee**

Trustee Dickson presented the Audit and Finance Committee report. The Committee met once since the last Board meeting. They reviewed data related to the overall financial data and analysis for the University. The Committee chair reiterated that overall the University is on sound footing.

After reflection on the anticipated impact of COVID-19 and how the University navigated the unprecedented situation, helped by enrollment and endowments, the University is well-positioned today. Of course, there are headwinds to be aware of, namely inflation, the current financial market trends, and the unthinkable invasion of Ukraine, which changed the world yesterday. Those are all pressures we will keep an eye on going forward.

The Committee reviewed the financial projections for FY22, the actuals through the second quarter, and we are on track. They also looked at spring enrollment and on track as well.

Looking ahead, the Committee is starting to formulate the FY23 budget which is a complex process; enrollment projects; as well as room/board and apartment rates. At the request of the student body, the room and board rates are set at the February meeting to accommodate the student government budgeting process. This was a bit challenging due to the aforementioned headwinds, but the Committee is honoring their commitment and they are happy to make the adjustment.

The Committee looked at the facilities management requests for deferred maintenance and capital improvements. In addition, the Committee reviewed the resolution to approval phase I of the H-STEM Engineering and Health Technologies Complex; as well as the resolution to approve the room and board rates. They also reviewed the debt capacity going forward and how it will impact the University’s composite financial index. As part of the financial review, they looked back historically five (5) years at the financial metrics as well as looking forward to the next 3-4 years. This review included the investment performance of the University and the Tech Fund. And how to calibrate that given the financial markets going forward. The final items reviewed by the Committee were the pension impact statement and the risk management update.

The resolutions up for Board consideration are:

- Resolution to approval room/board and apartment rates
- Revision to the Experience Tech Fee
- Approval to begin phase I on H-STEM Engineering and Health Technologies Complex
VII. CONSENT AGENDA

It was moved by M. Johnson, supported by B. Ryan, and passed by voice vote without dissent, that the Board of Trustees approves and adopts the items contained in the Consent Agenda.

VII-A. Approval of Minutes

It was moved by M. Johnson, supported by B. Ryan, and passed by voice vote without dissent, that the minutes of the formal session of December 17, 2021, as distributed to the Board, be approved.

VII-B. Degrees in Course

It was moved by M. Johnson, supported by B. Ryan, and passed by voice vote without dissent, that the Board of Trustees approved 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: February 4, 2022

Subject: Candidates for Degrees – Conferral Term 202108

The attached list of candidates for degrees, beginning with Adam M. Bersano and ending with Elise Marie Rosky 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:kh
Associate of Arts in Humanities
  • Adam M Bersano*
  • Jordan Reyes

Bachelor of Arts in Communication, Culture, and Media
  • Taylor Kay Winzer - Magna Cum Laude

Bachelor of Arts in Physics
  • Ezra Riley Cotter - Cum Laude

Bachelor of Science in Accounting
  • Dustin Michael Armbruster
  • Julian W Blann - Magna Cum Laude

Bachelor of Science in Applied Ecology and Environmental Sciences
  • Anna C DeBraber - Summa Cum Laude
  • Matthew Paul Connolly
  • Tyler J Derleth

Bachelor of Science in Biochemistry and Molecular Biology
  • Ethan Burghardt - Cum Laude
  • Kayley M Roche - Summa Cum Laude

Bachelor of Science in Bioinformatics
  • Brennan Michael Coles - Cum Laude
  • Katherine Grace Trudell
  • Sarah A Wayward

Bachelor of Science in Biological Sciences
  • Aidan Richard Anderson - Cum Laude
  • Ashley Nicole Curie
  • Dalton Charles Norris

Bachelor of Science in Biomedical Engineering
  • Hannah Lee Kranz - Cum Laude
• Katelyn Mackenzie Ramthun - Magna Cum Laude
• Kathryn Ann Miller - Magna Cum Laude
• Monica Renee Newton - Cum Laude
• Samuel Edward Haarman
• Zachary William Miller - Magna Cum Laude

Bachelor of Science in Chemical Engineering
• Matthew Paul Harris - Summa Cum Laude

Bachelor of Science in Chemistry
• Adrian Lara-Ramirez
• Gretchen H Heins - Cum Laude
• Madison Emelyne Pullen
• Steven James Beuther - Magna Cum Laude

Bachelor of Science in Civil Engineering
• Adam Wayne Budzinski - Cum Laude
• Amber R Ronsman
• Anthony M Vang
• Benjamin Charles Holland - Magna Cum Laude
• Bobbi Josie Hulce
• Celia Elizabeth Juntti
• Chase Harley Smith
• Christopher Allan Reitz - Magna Cum Laude
• Cole E Arntsen
• David Joshua Goldfarb
• Elijah James Young
• Erik Thomas Peterson
• Everhett William Biland - Summa Cum Laude
• Frederick Thomas Jones
• Jacob L Paquet
• Jay Louis Czerniak
• Joshua Edward Cain - Cum Laude
• Julia Katherine Jenaway - Magna Cum Laude
• Katelyn Burch
• Mark Abram Anderson
• Mason Howard Dyke - Magna Cum Laude
• Mathieu J St. Amour
• Megyn N Ostrom
• Mihir Sunil Mehendale
• Mitchell Logan Knox
• Owen Elias Mattila - Summa Cum Laude
• Russ Alan Bjorn
• Stephanie Jean Klaysmat - Magna Cum Laude
• Thomas D Gunst
• Trent Alan Ballor
• Trevor James Brandt - Cum Laude

Bachelor of Science in Computational Chemistry and Chemical Informatics
  • Alex Joseph Denofre

Bachelor of Science in Computer Engineering
  • Addison Jeffery Krueger
  • Arielle R Dubrinsky
  • Benjamin Lee Baize
  • Cole Camden Komrska - Summa Cum Laude
  • Daniel Gordon Leppanen
  • David Frederick Bellinger - Magna Cum Laude
  • Dean Anthony Navaroli
  • Declan G King - Cum Laude
  • Dominic Chester Espiritu Sobocinski
  • Jacob Matthew Carter
  • Jacob Thomas Denning
  • Jared David Menard
  • Jared Lee Smith
• Joshua William Eckert - Magna Cum Laude
• Logan Paul Schexnaydre - Magna Cum Laude
• Mark J Andrusiak - Cum Laude
• Maxwell J Walker
• Noah Nicholas Guyette
• Raymond Jonathan Clifford Essex
• Reo Tang - Magna Cum Laude
• Thomas James Christian
• Wilson J Holmes - Cum Laude

Bachelor of Science in Computer Network and System Administration
• Andrew Robert Youngstrom - Magna Cum Laude
• Blake Velderman
• Gavin J Walters - Magna Cum Laude
• Keenen Ashton Adams

Bachelor of Science in Computer Science
• Aidan D Vandrie - Magna Cum Laude
• Amanda Jennifer Erdmann
• Andrew Michael Fila
• Brett Wyatt Post
• Dax Loki Schoof - Cum Laude
• Elijah Jeffrey Cobb
• Eric William Grant - Magna Cum Laude
• Ethan William Large - Cum Laude
• Josef Daniel Arner - Summa Cum Laude
• Kofi A Anin-Berkoh - Cum Laude
• Logan M Grimason
• Maxwell T Isom - Magna Cum Laude
• Michelle Elise Perini
• Nathaniel Ryan Blichfeldt
• Nicholas Des Biens
• Roman Formicola - Cum Laude
• Samantha Lee Seaman
• Sarah Jaye Matson
• Sarah Jun Shilts - Cum Laude
• Scott Thomas Corbat - Cum Laude
• Simone Yang Tilbury
• Tristin Ross Colenso
• Wyatt Daniel Parsons

Bachelor of Science in Construction Management
• Brendan Todd Thompson
• Cameron Dean Mulka
• Conor Robert Flaherty
• John Michael Dunleavy
• Ross Hugo Oja - Cum Laude

Bachelor of Science in Ecology and Evolutionary Biology
• Katherine Evelyn Kasten

Bachelor of Science in Electrical Engineering
• Alexandra L Patterson - Cum Laude
• Amanda Mai Schlosser
• Audrey Maye Roberts - Cum Laude
• Austin Alan Phelan
• Cameron Roberts Casey
• Carmen Adele Muehlfeld
• Christopher Alan Avery
• Cody James Rorick - Summa Cum Laude
• Daniel Hunter Beebe
• Erik August Ekola
• Evan J Sivec - Cum Laude
• Gunnar J Schultz
• John R Robenault
• Kyle Matthew Koonce
• Louis Lawrence Thom
• Madison Teal Snable - Magna Cum Laude
• Matthew J Peterson
• Nathan Christopher Wichers
• Nathaniel Douglas Moeller
• Paige Elizabeth Fiet
• Quintin A Davis
• Rebecca Lynn Held - Cum Laude
• Richard Charles Bremer
• Ryan Michael Trost - Summa Cum Laude
• Samuel Joseph Gallenberger - Magna Cum Laude
• Simeon Manos Richards
• Thomas Dieterich Ziegler - Summa Cum Laude
• Timothy Charles Seaman - Cum Laude
• Zachary Thomas Okma - Summa Cum Laude
• Zachary Tyler Peitz
• Zoe Ellen Quinn

Bachelor of Science in Electrical Engineering Technology
• Austin Joseph Kucharski
• Tyson Joseph Bethke

Bachelor of Science in Engineering
• Dana C Paiz
• George S Rushlau - Magna Cum Laude
• Jared M Dietzel

Bachelor of Science in Engineering Management
• Benjamin Paul Yahr
• Chase Paul Pietila
• Garrett Keith - Cum Laude
• Kameron Edmund O'Leary
• Trevor Nathaniel Lovelace

Bachelor of Science in Environmental Engineering
• Adam David Pulter
• Bennett Allen Johnson
• Carleigh Jane Lenard
• David Alan Disney
• Ethan Scot Lang - Cum Laude
• Joshua Solomon - Cum Laude
• Kyle B Zelenak
• Lauryn Leighann Roberts - Magna Cum Laude
• Leah I Goldman
• Maureen Ann Hennenfent - Cum Laude
• Samantha Lee Johnston
• Sarah Barry - Summa Cum Laude
• Spencer Karl Davis - Magna Cum Laude
• Theresa Maria Passe - Summa Cum Laude

Bachelor of Science in Exercise Science
• Brock Michael Wright
• Gwyneth Taressa Hamlin - Cum Laude
• Katie M Willers
• Rachel Marie Clayton - Cum Laude
• Sarah Miller - Cum Laude

Bachelor of Science in Finance
• Andrew P Hutchison
• Dominic Zavaglia
• Heather Marie Gruver - Magna Cum Laude
• Mirna Golac - Magna Cum Laude
• Seth Alan Mosentine - Magna Cum Laude

Bachelor of Science in Forestry
• Grady John Boyle - Magna Cum Laude
• Kiiven Ryleigh Wolf
• Leander Per Wheeler - Summa Cum Laude
• Stephanie Frantti - Magna Cum Laude
• William Odin Webb

Bachelor of Science in Geology
• Emilie Monique Pray - Cum Laude
• Hannah N Hunt
• Sienna Milee Meekhof

Bachelor of Science in Management
• Garrison Paul Dershem
• Kenner Lee Bartos
• Paul Matthew Gannon

Bachelor of Science in Management Information Systems
• Alisha Mae Lester
• Matthew Chard - Magna Cum Laude

Bachelor of Science in Marketing
• Allison C Shumaker

Bachelor of Science in Materials Science and Engineering
• Devin Deaton
• Henry Garrison Vandermark
• Jason Arthur Seeterlin
• Ross Allan Patterson - Cum Laude

Bachelor of Science in Mathematics
• Adrianna Joy Timmer - Summa Cum Laude
• Erik W Pitcher

Bachelor of Science in Mechanical Engineering
• Adam Lee Strasel - Magna Cum Laude
• Alex John Schneider
• Alexander Christopher Perry
• Alonso Garcia
• Andrew D Stalheim
• Andrew James Lambert
• Andrew Kurt Erickson
• Benjamin Jewell - Cum Laude
• Benjamin D Lord
• Benjamin David Offner - Cum Laude
• Brandon Browning - Cum Laude
• Brendan James Morell
• Bryan M Bigelow
• Calub Niswander - Cum Laude
• Charles Oliver Surratt - Cum Laude
• Cole Robert Alpers - Cum Laude
• Connor Douglas Sreenan
• Connor Timothy Stark - Cum Laude
• Courtney Kirkpatrick Bisbee
• Cullin McManus
• Deliang Li
• Drew Allen Kennedy
• Dylan Carter Mercier
• Dylan Jacob Kiefer
• Edwin Joseph Yazbec - Cum Laude
• Elijah Newton - Summa Cum Laude
• Emilia Joyce Colman - Magna Cum Laude
• Eric Robert Eschenburg
• Eve Mary Kaczkowski
• Felix S Cloutier
• Forest Drake Collins - Cum Laude
• Francesca Carolina Fusco
• Grace Pauline West
• Jacob Edward Bluemer
• Jacob Henry Aeschliman - Cum Laude
• Jacob John Marchi
• Jacob Matthew Wachholz
• Jake Arthur Pearsall
• James Andrew Klotz
• Jared Robert Shearer - Magna Cum Laude
• Jared Wade Schreier
• Jason P Zemore
• Jon Erik Smeberg
• Jordan John Wolfe
• Jordan Lee Sterbenz - Cum Laude
• Jordan Reyes
• Joseph Ray Eckardt
• Joseph Robert Decker
• Joshua M Golimbieski - Summa Cum Laude
• Katelyn Mackenzie Ramthun - Magna Cum Laude
• Lewis Scott Ekola - Magna Cum Laude
• Liam Cotera Berndt
• Lisa Mirette Downie - Cum Laude
• Luke Aaron Wilson - Cum Laude
• Madeleine Rose Hollman - Magna Cum Laude
• Madison Paige Turner - Magna Cum Laude
• Mallory Margaret Jayne - Cum Laude
• Marlo Amara Schwartzfisher
• Matthew George Madison
• Matthew J Lyden
• Matthew James Simonar
• Matthew Merl Specht
• Matthew P Ruterbusch
• Matthew Scott Fuhrman
• Michael William Messerschmidt - Cum Laude
• Morgan Aleece Kline
• Nathan R Krueger - Magna Cum Laude
• Noah Robert Burk
• Rachel Lee Stites
• Ralph James Weidensee - Cum Laude
• Robert Daniel Head
• Ryan David Heetderks
• Ryan Donald Harrington - Cum Laude
• Ryan Michael Trost - Summa Cum Laude
• Samuel Edward Haarman
• Sean Robert Hanson - Magna Cum Laude
• Sloane Lauryn Zener - Cum Laude
• Spencer Patrick Collard
• Spencer Roy McEntyre
• Spencer William Seeley
• Sudhanshu Sushil Narkhede - Cum Laude
• Trevor Allen VanDyke
• Trevor Nathaniel Lovelace
• Tyler Edward Rahkola
• Tyler J Lupinski
• William Lane Schonschack
• Wyatt C Conrow - Magna Cum Laude
• Yuchen Li
• Zachery Edwin Champion

Bachelor of Science in Mechanical Engineering Technology
• Colin Jacob LaVigne
• Dilon H Kinnunen
• Eric Matthew Hoffman
• Hunter J Rautiola - Cum Laude
- Ian Paul Jager
- Jack T Lillie
- Jeffrey P Kilikevicius - Magna Cum Laude
- Joseph D Staszek
- Kaelan Patrick Redmond
- Karen J Helppi
- Matthew Floyd Krause
- Mickala Rose Kohtz
- Reed Daniel Aldrich
- Taren Ann Marie Odette
- Thomas P Power - Summa Cum Laude
- William Kaarl Toivonen - Cum Laude

Bachelor of Science in Medical Laboratory Science
- Olivia P McClellan*

Bachelor of Science in Physics
- Renato Pinto Reveggino - Cum Laude

Bachelor of Science in Scientific and Technical Communication
- Troy A Zehnder

Bachelor of Science in Social Sciences
- Ezra Riley Cotter - Cum Laude
- George Patrick Gruver - Summa Cum Laude

Bachelor of Science in Software Engineering
- Bryan David Wandrych
- Duong T Nguyen - Cum Laude
- Eli Michael Hovis
- Kasey Alexander Jackson
- Matthew P Schaumberg
- Michael D Boisvert

Bachelor of Science in Sports and Fitness Management
- Abel James Iacono
• Brooke Leigh Schauer  
  Bachelor of Science in Statistics  
    • Christopher Randall Nottke  
    • Claire E Semenchuk - Magna Cum Laude  

Bachelor of Science in Sustainability Science and Society  
• Nathan R Hatcher  
• Noah Henry Lawrence  

Bachelor of Science in Theatre and Entertainment Technology  
• Justin Scott Nanzer  

Bachelor of Science in Wildlife Ecology and Conservation  
• Allie May Johnson - Magna Cum Laude  

Bachelor of Science in Wildlife Ecology and Management  
• Christian Thomas Benvenuti - Magna Cum Laude  
• Michael Patrick Schwartz - Magna Cum Laude  
• Sage Vincent Haney  
• Teal Marie Sackett  

Doctor of Philosophy in Applied Cognitive Science and Human Factors  
• Natasha Joy Hardy  

Doctor of Philosophy in Applied Physics  
• Abu Sayeed Md Shawon  

Doctor of Philosophy in Atmospheric Sciences  
• Nurun Nahar Lata  

Doctor of Philosophy in Biochemistry and Molecular Biology  
• Avik Ghosh  
• Prajakta Paresh Kokate  

Doctor of Philosophy in Biological Sciences  
• Kevin Carl Nevorski  

Doctor of Philosophy in Chemical Engineering  
• Ruiting Zhan  

Doctor of Philosophy in Chemistry
• Nicholas Keith Newberry
Doctor of Philosophy in Civil Engineering
• Jessica Kathryn Daignault

Doctor of Philosophy in Electrical Engineering
• Diego Andres Aponte Roa
• Shane William Oberloier

Doctor of Philosophy in Forest Science
• Joseph Peter Shannon
• Robin T Clark

Doctor of Philosophy in Geophysics
• Leonid Surovitskii

Doctor of Philosophy in Materials Science and Engineering
• Meijia Li
• Ninad Mohale
• Xiaoxu Guo

Doctor of Philosophy in Mechanical Engineering - Engineering Mechanics
• Shreyas Sunil Kolapkar
• Steven Michael Whitican
• Suraj Madhav Prabhu
• Xiang Zhou
• Zhihao Zhao

Doctor of Philosophy in Physics
• Sandip Aryal

Doctor of Philosophy in Rhetoric, Theory and Culture
• Emma Maximina Lozon
• Joshua Chase
• Sara Therese Potter

Master of Business Administr. in Business Administration
• Fredrick James Kemp
• Jennifer Nicole Butina
• Marvin Victor Wright  
• Nathan Sean Hierl  

Master of Engineering Mgmt in Engineering Management  
• Ahmed Umair Riyas  
• Hunter Vincent Richards  

Master of Engineering in Engineering  
• Nagendra Tanikella  
• Tsai Chen Hsiao  

Master of Geographic Info Sci in Geographic Information Science  
• Ryan Andrew Williams  

Master of Science in Accounting  
• Jacob Dylan Mihelich  
• Jennifer Michelle Carolan  
• Jordan Bruce Janssen  
• Joseph Richard Anderson  
• Trevor Clayton Salata  

Master of Science in Applied Cognitive Science and Human Factors  
• Darnishia Lashalle Slade  
• Tauseef Ibne Mamun  

Master of Science in Applied Ecology  
• Lindsey Frances Dolinski  

Master of Science in Applied Statistics  
• Bogdan R Soroka  
• Christine Quattro Hoffman  
• Dallas Blowers  
• Kendyl Ilene Richter  
• Luis Javier Cota  
• Mason Steven Yahr  
• Michael David Nicodemus  
• Nathan Gurzell
• Sara Kay Rittersdorf
• Sheila Marie Flood
• Travis William Froberg

Master of Science in Biological Sciences
• Collin James Diedrich
• Hazen John Keinath
• Tessa Elizanne Steenwinkel

Master of Science in Biomedical Engineering
• Tonie Johnson

Master of Science in Chemical Engineering
• Natalia Parra Alvarez
• Saketh Merugu

Master of Science in Chemistry
• Connor John Hensley

Master of Science in Civil Engineering
• Conrad Butler Truettner
• Hossam Yaqoub
• Isaac Edward Pantti

Master of Science in Computer Engineering
• Aaron Thomas Filip
• Logan Weir Wilkerson

Master of Science in Computer Science
• Daniel Walter Carrara
• Jargal Rinchin
• Junyao Yang
• Pooja Mothukuri
• Sai Akhil Vankamamidi
• Zachary Brian Dekraker

Master of Science in Cybersecurity
• FNU Sankalp Shastry
• Sai Rubini Venkateswaran  
Master of Science in Data Science  
• Akshata Ravindra Shedge  
Master of Science in Electrical Engineering  
• Sunita Suresh Bodke  
• Swaraj Sanjay Deshmukh  
Master of Science in Electrical and Computer Engineering  
• Chaitanya Satish Inamdar  
• Daniel Harry Grages  
• James Thomas Steele  
• Nathan Andrew Sukaria  
• Thomas Daniel Page  
• Vasishtha Sohani  
• Veeraja Sohani  
Master of Science in Environmental Engineering  
• Camila Elzbieta Dul  
Master of Science in Forest Ecology and Management  
• Tanner Michael Barnes  
Master of Science in Geological Engineering  
• Ryan Michael Klida  
• Shubham Nandkumar Mahajan  
Master of Science in Geology  
• Diana Bullen  
• Domenicca Mileth Guillen Pachacama  
• Nicholas Alexander Potter  
• Sanna Jane Mairet  
Master of Science in Geophysics  
• Kate Mariah Nelson  
Master of Science in Health Informatics  
• Nikitha Mittapally
Master of Science in Industrial Heritage and Archaeology

- Garand Anders Spikberg
- Michael Garet Madison

Master of Science in Materials Science and Engineering

- Brendan L Treanore
- Emily Elizabeth Miin-Lih Tom
- Matthew Seth Carl Hasbrouck
- Maxim Akhmetov
- Ninad Mohale
- Shreyas Poonamalle Srikanth

Master of Science in Mathematical Sciences

- Emily Elizabeth Anible
- Yasasya Uthpalawarna Ariyadasa Batugedara Batugedara Mohottalalage

Master of Science in Mechanical Engineering

- Abhishek Wadaskar
- Akshay Navaneeth Reddy Soma
- Andrew Lloyd Robare
- Ashish Verma
- Brandon Wayne Howard
- Gita A Deonarain
- Hrishikesh Suhas Gosavi
- Indrani Gadgil
- Jian Chen
- Karan Paragkumar Vaishnav
- Karan Singh
- Kavin Suriyaa Sekar
- Kushal Madhava Kothar
- Mohana Venkata Sai Dinesh Kumar Nujalla
- Muhammad Usman
- Noah Robert Squires
• Palash Ranjan Krishna Kolusu
• Prakhar Taneja
• Prateek Sharma
• Rajat Ratnakar Gadhave
• Ramakrishnan Anand
• Rushikesh Satish Attarde
• Sahil Pradeeep Bakde
• Sanjay Khanna Babu Venkatesh
• Sanket Kishor Kadam
• Satwick Guturu
• Shankara Varma Ponnurangam
• Shantanu Harishchandra Chavan
• Somnath Mondal
• Sreekanth Pengadath
• Tania Sofia Demonte Gonzalez
• Timothy William Diepenhorst
• Vasu Goyal
• Vinay Prudhvi Kona
• Vinayak Vikas Kodkani
• Vishal Mohan Dange

Master of Science in Mechatronics
• Chrispin James Johnston
• Erik Hans-Henry Kocher
• Namratha Karanam
• Nikhil Chowdary Chilukuri
• Sri Krishna Sai Kaushik Kudtipudi

Master of Science in Physics
• Elise Marie Rosky

*Addendum to Conferral
• Degree awarded in term 202105
VII-C. Resignations, Retirements, and Off-Payroll

It was moved by M. Johnson, supported by B. Ryan, and passed by voice vote without dissent, that the Board of Trustees approve accepts the resignations and confirms the off-payroll determinations.
## 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>Kathleen Feigl</td>
<td>Faculty</td>
<td>Mathematical Sciences</td>
<td>Professor</td>
<td>11/29/1999</td>
<td>01/09/2022</td>
</tr>
<tr>
<td>Jiann-Yang Hwang</td>
<td>Faculty</td>
<td>Materials Science and Engineering</td>
<td>Professor</td>
<td>03/14/1984</td>
<td>01/06/2022</td>
</tr>
<tr>
<td>Mark Maroste</td>
<td>Staff</td>
<td>Portage Lake Golf Course</td>
<td>Associate Director of Auxiliary Services</td>
<td>10/13/1996</td>
<td>01/08/2022</td>
</tr>
<tr>
<td>Joseph Palosaari</td>
<td>Staff</td>
<td>Wadsworth Hall Food Service</td>
<td>Baker</td>
<td>03/12/1997</td>
<td>01/03/2022</td>
</tr>
<tr>
<td>Ching-Kuang Shene</td>
<td>Faculty</td>
<td>Computer Science</td>
<td>Professor</td>
<td>08/28/1995</td>
<td>12/31/2021</td>
</tr>
<tr>
<td>Patricia Sotrin</td>
<td>Faculty</td>
<td>Humanities</td>
<td>Professor</td>
<td>07/14/1994</td>
<td>12/31/2021</td>
</tr>
<tr>
<td>Franz Tanner</td>
<td>Faculty</td>
<td>Mathematical Sciences</td>
<td>Professor</td>
<td>11/29/1999</td>
<td>01/09/2022</td>
</tr>
</tbody>
</table>

## 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>Andrew Barnard</td>
<td>Faculty</td>
<td>Mechanical Engineering-Engineering</td>
<td>Associate Professor</td>
<td>08/18/2014</td>
<td>12/31/2021</td>
</tr>
<tr>
<td>Patricia Burton</td>
<td>Staff</td>
<td>College Forest Resources &amp; Environmental Sciences</td>
<td>Office Assistant 4</td>
<td>09/27/1995</td>
<td>12/31/2021</td>
</tr>
<tr>
<td>Kelley Christensen</td>
<td>Staff</td>
<td>University Marketing &amp; Communications</td>
<td>Scientific Writer &amp; Project Strategist</td>
<td>05/08/2017</td>
<td>12/12/2021</td>
</tr>
<tr>
<td>Joseph Cooper</td>
<td>Staff</td>
<td>Financial Aid Administration</td>
<td>Executive Director of Student Financial Services</td>
<td>07/01/2009</td>
<td>01/10/2022</td>
</tr>
<tr>
<td>Corinne Dagher</td>
<td>Staff</td>
<td>Financial Services &amp; Operations</td>
<td>Accountant</td>
<td>05/18/2020</td>
<td>01/05/2022</td>
</tr>
<tr>
<td>Careen Dompier</td>
<td>Staff</td>
<td>Biomedical Engineering</td>
<td>Departmental Coordinator</td>
<td>04/07/2015</td>
<td>01/01/2022</td>
</tr>
<tr>
<td>Alan Drew</td>
<td>Staff</td>
<td>Auxiliary Services</td>
<td>Manager Dining Services</td>
<td>03/14/2011</td>
<td>12/25/2021</td>
</tr>
<tr>
<td>Lydia Gockenbach</td>
<td>Staff</td>
<td>Institutional Equity</td>
<td>Administrative Aide 7</td>
<td>01/16/2017</td>
<td>12/11/2021</td>
</tr>
<tr>
<td>Thomas Goldstein</td>
<td>Staff</td>
<td>Wadsworth Hall Food Service</td>
<td>Food Service Helper</td>
<td>11/01/2021</td>
<td>11/04/2021</td>
</tr>
<tr>
<td>Supreet Kaur</td>
<td>Staff</td>
<td>Chemical Engineering</td>
<td>Research Scientist</td>
<td>09/09/2019</td>
<td>12/11/2021</td>
</tr>
<tr>
<td>Jodi Lehman</td>
<td>Staff</td>
<td>Office of Advancement</td>
<td>Executive Director for Corporate &amp; Foundation Relations</td>
<td>09/21/2007</td>
<td>01/15/2022</td>
</tr>
<tr>
<td>Holly Lorenz</td>
<td>Staff</td>
<td>Residential Education &amp; Housing</td>
<td>Residence Life Coordinator</td>
<td>07/15/2019</td>
<td>01/07/2022</td>
</tr>
<tr>
<td>Peter Manderfield</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Multi-Licensed Trade</td>
<td>08/31/1998</td>
<td>11/15/2021</td>
</tr>
<tr>
<td>Kevin McClellan</td>
<td>Staff</td>
<td>Mont Ripley</td>
<td>Mountain Operations Manager</td>
<td>08/01/2004</td>
<td>12/11/2021</td>
</tr>
<tr>
<td>Prabhjot Mukandwal</td>
<td>Faculty</td>
<td>College of Business</td>
<td>Assistant Professor</td>
<td>08/09/2019</td>
<td>12/25/2021</td>
</tr>
<tr>
<td>David Nelson</td>
<td>Staff</td>
<td>Civil, Environ &amp; Geospatial Engineering</td>
<td>Senior Research Engineer I-Rail Transportation</td>
<td>06/03/2013</td>
<td>01/03/2022</td>
</tr>
<tr>
<td>Zachary Nicholas</td>
<td>Staff</td>
<td>General Athletics</td>
<td>Assistant Director of Athletic Marketing &amp; Communications</td>
<td>06/28/2021</td>
<td>01/08/2022</td>
</tr>
<tr>
<td>Blair Orr</td>
<td>Faculty</td>
<td>College Forest Resources &amp; Environmental Sciences</td>
<td>Professor</td>
<td>08/31/1992</td>
<td>01/08/2022</td>
</tr>
<tr>
<td>Allan Pietila</td>
<td>Staff</td>
<td>Sports &amp; Recreation Operations</td>
<td>Building Mechanic III</td>
<td>10/07/2013</td>
<td>12/09/2021</td>
</tr>
<tr>
<td>Tracy Podpeskar</td>
<td>Staff</td>
<td>Human Resources</td>
<td>Administrative Aide 7</td>
<td>12/13/2021</td>
<td>01/07/2022</td>
</tr>
<tr>
<td>Andrew Poley</td>
<td>Staff</td>
<td>Michigan Tech Research Institute</td>
<td>Assistant Research Scientist-Geospatial Science</td>
<td>06/04/2018</td>
<td>11/27/2021</td>
</tr>
<tr>
<td>Karen Schlaff</td>
<td>Staff</td>
<td>Douglas Houghton Hall Food Service</td>
<td>Food Service Helper</td>
<td>09/09/2003</td>
<td>12/31/2021</td>
</tr>
<tr>
<td>Terry Sikkila</td>
<td>Staff</td>
<td>Ford Center</td>
<td>Facility Coordinator</td>
<td>12/17/2006</td>
<td>12/31/2021</td>
</tr>
</tbody>
</table>
VII-D. Funding Productivity Report

It was moved by M. Johnson, supported by B. Ryan, and passed by voice vote without dissent, that the Board of Trustees acknowledges the gifts to Michigan Technological University.
Michigan Technological University
Michigan Tech Fund
Fundraising Productivity Report
July 1, 2021 through January 31, 2022
Compared to Prior Fiscal Year

<table>
<thead>
<tr>
<th>Source</th>
<th>FY21 Total (in millions)</th>
<th>Adjustment</th>
<th>FY Goal (in millions)</th>
<th>% of Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual Giving</td>
<td>16,063,592</td>
<td>2,000,000</td>
<td>49%</td>
<td>Individual Giving</td>
</tr>
<tr>
<td>Corporate Giving</td>
<td>1,496,117</td>
<td>1</td>
<td>150%</td>
<td>2,295,923</td>
</tr>
<tr>
<td>Foundation &amp; Other Org Giving</td>
<td>3,119,894</td>
<td>142,359</td>
<td>326%</td>
<td>4,187,024</td>
</tr>
<tr>
<td>Corporate Sponsored Research</td>
<td>9,191,103</td>
<td>11</td>
<td>84%</td>
<td>14,807,686</td>
</tr>
</tbody>
</table>

FUNDRAISING TOTAL: 29,870,706 31.25 102% 43,980,737

<table>
<thead>
<tr>
<th>Source</th>
<th>FY22 Total (in millions)</th>
<th>Adjustment</th>
<th>FY Goal (in millions)</th>
<th>% of Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual Giving</td>
<td>10,258,059</td>
<td>20.75</td>
<td>49%</td>
<td>Individual Giving</td>
</tr>
<tr>
<td>Corporate Giving</td>
<td>1,131,490</td>
<td>2</td>
<td>57%</td>
<td>2,295,923</td>
</tr>
<tr>
<td>Foundation &amp; Other Org Giving</td>
<td>1,997,523</td>
<td>8,285,750</td>
<td>206%</td>
<td>4,187,024</td>
</tr>
<tr>
<td>Corporate Sponsored Research</td>
<td>10,440,400</td>
<td>13</td>
<td>80%</td>
<td>14,807,686</td>
</tr>
</tbody>
</table>

FUNDRAISING TOTAL: 23,827,472 40.75 79%

<table>
<thead>
<tr>
<th>Source</th>
<th>FY Goal (in millions)</th>
<th>% of Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL PROGRESS TOWARDS FY GOAL</td>
<td>32,113,222</td>
<td>40.75 79%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source</th>
<th>FY Goal (in millions)</th>
<th>% of Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Realized Planned Gifts - All</td>
<td>1,562,385</td>
<td>40.75 79%</td>
</tr>
<tr>
<td>Amnt of Realized Planned Gifts</td>
<td>86,889</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source</th>
<th>FY Goal (in millions)</th>
<th>% of Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Realized Pledges</td>
<td>742,524</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
The Adjustment totals include changes to gift records (eg. gift received date, amount, or other donor driven gift modifications)
The FUNDRAISING TOTAL includes outright gifts, as well as new pledge and planned gift commitments, made in the specified date range.
Realized planned gifts and realized pledges are not included in the FUNDRAISING TOTAL.
An individual's gifts made through a donor-advised fund are counted under the individual.
An individual's gifts made through another source (i.e. family foundation or closely held business) are counted under the source entity.
The FUNDRAISING TOTAL for fiscal years 2020 and later include gifts-in-kind under other sources (Major Gifts, Annual Giving, etc).
VIII. ACTION AND DISCUSSION ITEMS

VIII-A. Employee Recognition

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

1. Jiann-Yang (Jim) Hwang, 38 years of service, Professor, Material Science and Engineering

VIII-B. Emeritus Rank

It was moved by M. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees approves the following emeritus appointment:

Dr. CK Shene, Professor Emeritus, Department of Computer Science

VIII-C. Proposal for the Establishment of a New Master of Science in Manufacturing Engineering

The faculty in the Department of Manufacturing and Mechanical Engineering Technology, under the umbrella of the College of Engineering, seek to establish an interdisciplinary Master of Science (MS) degree in Manufacturing Engineering. The program was designed to be flexible, with the intent to attract people who currently work in industry and come from a wide range of undergraduate backgrounds. This will allow Michigan Tech to grow its global campus and continuing education program.

The MS in Manufacturing Engineering encompasses the building blocks of advanced manufacturing, allowing working students the ability to complete a project approved by their employer. Additionally, the curriculum is based on the four pillars of manufacturing engineering, developed by the Society of Manufacturing Engineers (SME) through its Center for Education. To be prepared for Industry 4.0, flexible degrees such as this will be key for both employees and employers.

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

RECOMMENDATION: It is recommended that the Board of Trustees approves the Master of Science degree in Manufacturing Engineering.
It was moved by S. Tomaszewski, supported by M. Johnson, and passed by voice vote without dissent, that the Board of Trustees approves the new Master of Science in Manufacturing Engineering.

Provost Huntoon -

It was recommended by the Provost and supported by the Academic Affairs Committee to temporarily suspend Board Policy 6.4 Academic Promotion and Tenure, requiring separate votes for all referendums.

It was moved by M. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees suspend Board Bylaw 6.4 Academic Promotion and Tenure for this meeting only.

Trustee Jipping-

The Academic Affairs Committee considered the two proposals and concur with the Senate vote. The Committee recommends the passage of both updates to the Faculty Handbook.

VIII-D. Proposal to Update Faculty Handbook, Addition of Section 2.5 Role of Innovation and Commercialization

Though faculty at Michigan Tech are not required to be involved with innovation and commercialization activities, many are. For those who are involved in these activities, their contributions can enhance their teaching, research, and/or service roles at the University. This proposal is intended to make it clear that there should be no penalty or adverse effect for faculty engaged in these types of activities.

Having a clear statement that the University supports innovation and commercialization efforts will be valuable in recruiting and retaining outstanding faculty who have an interest in developing ideas with potential for future commercial viability.

In order to recognize these efforts, the language in red below would become a new section, 2.5, in the Faculty Handbook, titled Role of Innovation and Commercialization.

2.5 Role of Innovation and Commercialization

Innovation and commercialization are consistent with and directly support the education, research and public service goals of Michigan Tech. Innovation refers to the process of creating economic and social value from inventions and discoveries. Commercialization supports innovation and results in the creation of societal and economic value from knowledge, discoveries and experiences. Commercialization can result from a number of activities including applied research, consulting, securing patent rights and technology commercialization through licensing to established businesses or through the formation of new businesses. Faculty participation in innovation and commercialization enhances
student education by providing a source of content and context which can directly complement, reinforce and add relevance to course subject matter.

Innovation and commercialization related to teaching, research and scholarly expertise are recognized as having value within the Michigan Tech community. The University acknowledges that additional time and effort are required for involvement in such activities, and is committed to recognizing these efforts. In particular, promotion and tenure and merit evaluations shall recognize innovation and commercialization as an indicator of commitment and expanding traditional boundaries and to the economic prosperity of society.

The proposal was approved by the University Senate and University administration in the spring of 2018, but a referendum vote of the tenured and tenure-track faculty was not conducted at that time. The referendum vote was conducted in Fall 2021 and the proposal was supported by a majority of those who voted.

It was moved by S. Tomaszewski, supported by M Johnson, and passed by voice vote without dissent, that the Board of Trustees approves the update to the Faculty Handbook, Addition of Section 2.5 Role of Innovation and Commercialization.

VIII-E. Proposal to Update Faculty Handbook, Addition of Section 2.6 Role of Diversity, Equity, and Inclusion

A large number of Michigan Tech faculty actively participate in activities that support diversity, equity, inclusion, and sense of belonging at Michigan Tech. Having a clear statement that the University values, but does not require, such efforts makes it clear that individuals who engage in such activities should not be penalized during reviews conducted for the purposes of tenure, promotion, or reappointment.

If this proposal is approved, the language in red below will become a new section, 2.6, in the Faculty Handbook titled Role of Diversity, Equity and Inclusion.

2.6 Role of Diversity, Equity and Inclusion

Diversity, Equity and Inclusion (DEI) are consistent with and directly support the education, research and service goals of Michigan Tech. Diversity refers to individuals’ identities that include race, religion, color, national origin, age, sex, sexual orientation, gender identity, height, weight, genetic information, marital status, disabled veteran status, veteran status, or disability, some of which are not visible. Equity refers to the fair treatment, access, opportunity and advancement of...
all people, achieved by intentional focus on their disparate needs, conditions and abilities. Inclusion is a set of practices that ensure each member of a community feels they are welcome and valued for their perspectives and experiences.

DEI efforts related to teaching, research, scholarly activity and service are valued within the Michigan Tech community, and include, but are not limited to, activities such as the following: curricular development that furthers diversity, equity, and inclusion; pedagogical practices that promote inclusivity; mentoring and advising of students, faculty, and staff on issues related to diversity, equity, and inclusion; mentoring and advising students, faculty, and staff from underrepresented or underserved groups; and research and scholarship that examines and furthers knowledge and understanding related to diversity, equity, and inclusion. The University recognizes that these activities support the University’s vision to be a globally recognized technological university that educates students, advances knowledge, and innovates to improve the quality of life and to promote mutual respect and equity for all people. As such, the University is committed to increased representation of these efforts in promotion, tenure, review, and merit evaluations.

A proposal to add a section on this topic to the Faculty Handbook has been approved by the University Senate, the University administration, and through a referendum vote of the tenured and tenure-track faculty. The referendum vote was conducted in fall 2021 and was supported by a majority of those who voted. The language submitted here for Board approval includes editorial changes made to the original version through consultation with the academic deans, provost, and senate officers.

It was moved by S. Tomaszewski, supported by M Johnson, and passed by voice vote without dissent, that the Board of Trustees approves the update to the Faculty Handbook, Addition of Section 2.6 Role of Diversity, Equity, and Inclusion.

VIII-F. Resolution to Approve 2023 Room & Board Rates
It was moved by D. Sanders, supported by M Johnson, and passed by voice vote without dissent, that the Board of Trustees approves the 2022-2023 Room & Board Rates.

VIII-G. Revision to Board Policy 8.9 - Experience Tech Fee
It was moved by S. Tomaszewski, supported by M Johnson, and passed by voice vote without dissent that the Board of Trustees approves the revision to Board Policy 8.9.

VIII-H. Final Approval for H-STEM Engineering and Health Technologies Complex - Phase I Project
It was moved by M. Johnson, supported by B. Ryan, and passed by voice vote without dissent that the Board of Trustees approves the Phase I project for H-STEM Engineering and Health Technologies Complex.
President Koubek-

I would like to provide a word of thanks to Sue Kerry and her team. Transitioning from the old price to the new price was quite a herculean task from Government Relations to the contractors rebidding the project so quickly. This project is emblematic of what the institution has gone through, and no doubt the pandemic impacted all institutions, and we are no different. The pandemic had an impact on this process as well.

To the faculty and staff who had to continue working on this project while remotely working, hats off to you. Even though when we got to the end, there were additional hurdles and implications due to the pandemic and inflation, Michigan Tech overcame those as well. I am very excited to say that, hopefully, we will be breaking ground at the next Board meeting. This new building reflects the horizon we see for the University. At 5:00 pm today, we will transition to health and safety level 1. Record enrollment last year and double-digit enrollment this year, record research last year, and halfway through the period, we are 20% up on research awards this year; record endowment giving last year, and we are already up 8% this year. This is emblematic of where Michigan Tech had been, and it was tough, no doubt, we preserved, no doubt, and now we are succeeding because of the Husky spirit.

Thank you to everyone, and thank you to Sue Kerry.

IX. Reports (presentations provided in agenda)

   A. Plasma Rocket Research Propels MTU Spin-off to Commercial Success.
   B. 3-Minute Thesis (3MT),
   C. 100 years of Winter Carnival
   D. Undergraduate Student Government
   E. Graduate Student Government
   F. University Senate

X. Informational Items (documents provided in agenda)

   A. Analysis of Investments
   B. Research & Sponsored Programs
   C. Advancement & Alumni Relations
   D. Media Coverage
   E. Employee Safety Statistics
   F. Disposal of Surplus property

XI. Other Business

XII. Date for Next Formal Meeting: April 29, 2022

XIII. Adjourn

It was moved by M. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees adjourn the meeting.
Secretary to the Board of Trustees

Chair, Board of Trustees