



**Formal Session of the Board of Trustees
February 21, 2025
9:00 a.m. – 11:00 a.m.
Location: MUB Ballroom B
Public Meeting**

- I. Call to Order**
Jon Jipping, Chair
- II. Roll Call**
Sarah Schulte, Secretary
- III. Confirm Agenda**
Jon Jipping, Chair
- IV. Opening Remarks**
 - A. Opening Remarks of the Board Chair**
Jon Jipping, Chair
 - B. Opening Remarks of the University President**
Richard Koubek, President
- V. Public Comment Period**
- VI. Consent Agenda**
 - A. Approval of Minutes**
 - B. Degrees In Course**
 - C. Resignations, Retirements, and Off-Payroll**
 - D. Funding Productivity Report**
- VII. Action and Discussion Items**
 - A. Emeritus Rank**
Andrew Storer, Provost and Senior Vice President for Academic Affairs
 - Dr. Song-Lin “Jason” Yang, Professor Emeritus, Dept. of Mechanical & Aerospace Engineering
 - Dr. David Shonnard, Professor Emeritus, Dept. of Chemical Engineering

- B. Approval of 2025-2026 Room & Board Rates**
Josh Olson, Interim Vice President for Administration
- C. Exclusion Resolution for Department of Defense**
Andrew Barnard, Vice President for Research
- D. Revisions to Board Policy 9.4**
John Lehman, Vice President for University Relations and Enrollment
- E. Retire Board Policy 9.14**
John Lehman, Vice President for University Relations and Enrollment

VIII. Reports

- A. Carnegie Classification**
Andrew Barnard, Vice President for Research
- B. Research Presentation**
Greg Odegard, John O. Hallquist Endowed Chair in Computational Mechanics, Mechanical and Aerospace Engineering
- C. Undergraduate Student Government**
Isobel Bowker, USG TreasurerTreasurer
- D. Graduate Student Government**
Lauren Sprague, President
- E. University Senate**
Robert Hutchinson, President

IX. Informational Items

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

X. Date for Next Formal Meeting: April 25, 2025

XI. Other Business

XII. Adjourn

Agenda documents to follow.

VI. Consent Agenda

A. Approval of Minutes

B. Degrees In Course



**Michigan
Technological
University**

Registrar's Office

MEMORANDUM

To: Dr Richard J Koubek
Office of the President

From: Theresa Jacques
Registrar's Office

Date: January 31, 2025

Subject: Candidates for Degree – Conferral Term 202408

The attached list of candidates for degrees, beginning with Maggie Jo Denney and ending with Tanner Michael Sether 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/kg

Michigan Technological University

Degrees Awarded for Conferral Term 202408

Michigan Technological University Registrar's Office

January 31, 2025

Associate of Arts in Humanities

- Maggie Jo Denney - Summa Cum Laude
- Elijah Michael Poirier
- Eli Jacob Radtke - Magna Cum Laude
- Grayson Rayes

Associate of Science in Engineering

- Pietrino Sammy Censoplano
- Jaden E Fus
- Owen Scott Irvine - Magna Cum Laude
- Avery John Kempl
- Harley Nicole Russell

Bachelor of Arts in Chemistry

- John Robert Wieber - Magna Cum Laude

Bachelor of Arts in Communication, Culture, and Media

- Elijah Michael Poirier

Bachelor of Arts in English

- Griffin Jay Six - Cum Laude

Bachelor of Arts in History

- Benjamin Aaron Imig - Cum Laude

Bachelor of Arts in Physics

- Kenneth Leroy Ritz

Bachelor of Arts in Sound Design

- Gabriel Arthur Harrmann

Bachelor of Arts in Theatre and Electronic Media Performance

- Callisto Danue Cortez

Bachelor of Science in Accounting

- Henry Alan Basala - Magna Cum Laude
- Christopher U Berard
- Faith Ann Nayback - Magna Cum Laude
- Jason Richard Pleau - Summa Cum Laude

Formal Session of the Board of Trustees - Agenda

- Isaac Michael Swanson - Summa Cum Laude
- Amber Louise Tuttle - Magna Cum Laude

Bachelor of Science in Applied Ecology and Environmental Sciences

- Elizabeth L Helman - Magna Cum Laude
- Kaylee Rose Hoffman
- Jasmin Mariam Kasi
- Clara E Stauber - Magna Cum Laude

Bachelor of Science in Audio Production and Technology

- Evelina C Cremeens - Cum Laude
- Connor M Piereson

Bachelor of Science in Biochemistry and Molecular Biology

- Nicholas Brynolf Peterson

Bachelor of Science in Biological Sciences

- Emma Lynn Casteel
- Alora Reed Sundbeck - Magna Cum Laude

Bachelor of Science in Biomedical Engineering

- Mikhailee Maria Angelica Jackson
- Imogen Alexandra Kniss
- Wesley Alan McGee - Summa Cum Laude

Bachelor of Science in Chemical Engineering

- Ryan Micheal Anderson

Bachelor of Science in Civil Engineering

- Ryan K Bertschy**
- Matthew Paul Burns - Cum Laude
- Olivia D Fair
- Angelle J Gilbert - Summa Cum Laude
- John W Houser
- Cameron Brian Keenan
- Gabriel Alexander Kroeze - Magna Cum Laude
- Sydney Noelle LaForest - Magna Cum Laude
- Bryant D Maki - Magna Cum Laude
- Mason Peter Mariuzza - Magna Cum Laude
- Aliyah Shanti Deva Maxwell-Abrams - Magna Cum Laude
- Conner A Rausch
- Sean P Rietz
- Anna G Rose
- Ethan Edward Satchwell - Summa Cum Laude

Formal Session of the Board of Trustees - Agenda

- Alexander Broughton Smith - Cum Laude
- Nathan Christopher Smith - Cum Laude
- Cole Adam Wright
- Jonathan Pearce Wright - Cum Laude

Bachelor of Science in Computational Biology

- Stephan Michael Forgrave - Summa Cum Laude

Bachelor of Science in Computer Engineering

- Benjamin Reilly Bistline - Magna Cum Laude
- Skyler Maria Brawley - Magna Cum Laude
- Ethan John Champney
- Nicholas Joseph Cywinski - Magna Cum Laude
- Caroline Sue Czyzewski**
- Chase Edward East
- Tyler R Harrison
- Savanna R Kurchak - Cum Laude
- Erik Edward Madson
- Cory Peyton Muehlmeier
- Elijah Nathaniel Nation
- Erik Daniel Nunne
- Michael Joseph Riccobono
- Connor Philip Troub
- Andrew K Vassallo

Bachelor of Science in Computer Network and System Administration

- Korey Robert Ericson
- William Gregory Goscicki - Cum Laude
- Nathaniel Royal Myers
- Carter Allen Rutkowski

Bachelor of Science in Computer Science

- William J Borucki - Cum Laude
- Justin Tyler Canzoneri
- Noah Phoenix Casco
- Isaac Joseph Cooper-Armando
- Julianna C Cummings - Magna Cum Laude
- River James Dallas
- Avery Alexander Doherty
- Timothy David Erkkila - Cum Laude
- Finley Green - Magna Cum Laude

Formal Session of the Board of Trustees - Agenda

- Brendan Michael Griffith
- Benjamin Christopher Hodsdon - Magna Cum Laude
- Owen Kenneth Marable
- Danyel Marie Munson - Cum Laude
- Tyler Phillip Neal
- Matthew Joseph Pelukas
- Tristan Luis Sorenson - Summa Cum Laude
- Brandon Raymond St Louis
- Joshua Hart Stiebel
- Kolby J Swanson
- Christopher William Torrey
- Liam Tyge Waldridge - Summa Cum Laude
- Evan Joseph Williams

Bachelor of Science in Construction Management

- Terrence Lee Reed
- Donald Logan Staley
- Tyler Kenneth VanBeek

Bachelor of Science in Cybersecurity

- Alexa Leigh Gore - Magna Cum Laude
- Hriteesh Haridas
- James Lee Henthorn
- Abby Sue Jurewicz - Cum Laude
- Thomas Lottie - Magna Cum Laude
- Kyle Timothy Ott
- Rachel Madison Passeno

Bachelor of Science in Ecology and Evolutionary Biology

- Jack M Holtgren - Cum Laude
- Matthew Waldemar Lewandowski - Cum Laude
- Jack R Schafer - Summa Cum Laude
- Abraham Fur Stone - Summa Cum Laude

Bachelor of Science in Economics

- Benjamin Christopher Hodsdon - Magna Cum Laude
- Anthony Nestor - Cum Laude

Bachelor of Science in Electrical Engineering

- Benjamin Ryan Abel - Cum Laude
- Brody John Amrhein
- Carson John Belyk - Summa Cum Laude

Formal Session of the Board of Trustees - Agenda

- Jay Allan Clark - Summa Cum Laude
- Samuel Avery Conway
- Lauren M Dezelski - Cum Laude
- Anton Michael Dodak
- Brandon W Finley - Magna Cum Laude
- Jack William Fuhrman
- Ryan Michael Haslam
- Dalton Bryce Headley - Summa Cum Laude
- Brett M Hildebrand - Magna Cum Laude
- Jonathan Kuncheria Joseph
- Afsana Khanom
- Benjamin J Klein
- Alexander R Kwapisz
- Michael Joseph Marshall - Magna Cum Laude
- Nickolaus Bernard Matusko
- Ryan Gregory Maxon
- Aidan Alexander Milewski
- Cole Alan Munger
- Tristan N Parker
- Chase Edward Pelletier
- Alec Arthur Prusi - Summa Cum Laude
- Ariel Marissa Sears
- Anndelynn Nicole Storey

Bachelor of Science in Electrical Engineering Technology

- Shelby L Davis
- William Wallace Ward

Bachelor of Science in Engineering

- Taylor R Fanning - Summa Cum Laude
- Cole Wallace Fike
- Emily Elizabeth Kurdziel - Magna Cum Laude
- Jared Anthony Tarrance

Bachelor of Science in Engineering Management

- Alexander J Bos - Magna Cum Laude
- Alex Joseph Fries
- Ty Benjamin Halonen - Cum Laude
- Blake Lewis - Magna Cum Laude
- William S McWatters

Formal Session of the Board of Trustees - Agenda

- William J Twardzik
- William Hadley Zinser

Bachelor of Science in Environmental Engineering

- Jenna Marie Cook
- Tyler G Crispell - Cum Laude
- Breckin John Deverney
- Richard Alexander Junttonen
- Dominik Christopher LaChappelle
- Brenden David Lach
- Allison Marie Longstreet
- Justin Lee Marshall
- Lillia Grace McCurdy
- Chloe Marie Reinhart - Cum Laude
- Tad Wesley Rowe - Magna Cum Laude
- Elizabeth Marie Smith
- Eli W Smyth - Cum Laude
- Nadia Faith Stauffer - Magna Cum Laude
- Brock Steven Sundberg - Summa Cum Laude
- Reanna Elizabeth Sutter - Cum Laude
- Marina Sara Terenzi

Bachelor of Science in Environmental Science and Sustainability

- Joseph Colin Sweeney - Magna Cum Laude

Bachelor of Science in Exercise Science

- Sydney M Danison
- Marlee Ann Huskey - Cum Laude
- Hallie Ann Leatherman
- Kaycee Ann Meiners - Magna Cum Laude
- Santiago Jose Plazas-Leguizamo - Magna Cum Laude
- Madelyn Ann Strike

Bachelor of Science in Finance

- Luke Helsel
- Easton Andrew Laitila
- Jacob Michael Newman
- Noreen Carol Pennala - Cum Laude
- Jack Christopher Works

Bachelor of Science in Forestry

- Evan William Andrews

Formal Session of the Board of Trustees - Agenda

- Jacob James Beem - Cum Laude
- Samuel Joseph Curley
- Joshua Ryan Furness
- Marlan Alton Proctor
- Adam Waltman - Magna Cum Laude

Bachelor of Science in Geology

- Seth Andrew Farmer
- Tanner T McDonald
- Anton Alekseevich Smirnov

Bachelor of Science in Geospatial Engineering

- Chandler Joseph Carey
- Matthew Brian Morey - Magna Cum Laude
- Eli Judson Schaefer
- Allison A Spierling

Bachelor of Science in Human Biology

- Kaitlyn Marie Hall
- Alexandra Joan Little - Magna Cum Laude
- Claire G Noble - Summa Cum Laude
- Riley Ariel Stichter - Summa Cum Laude

Bachelor of Science in Human Factors

- Atsushi Sakamoto

Bachelor of Science in Management

- Hunter Herman Buechel
- Shaneil T Campbell
- Timothy John Hauxwell**
- Cameron Wayne Huuki

Bachelor of Science in Management Information Systems

- Zachary D Chaudier
- Ambarish Rao - Magna Cum Laude

Bachelor of Science in Marketing

- Brooke Rose Luepnitz

Bachelor of Science in Materials Science and Engineering

- Xavier Gordon Kriege
- Anders Erik Palarz
- Mackenzie Melinda Pulka
- Jonathan Earl Rixstine
- Rebekah Smith - Magna Cum Laude

Formal Session of the Board of Trustees - Agenda

- Beatrice Anne Visscher
- Thomas Ignatius Wasinski

Bachelor of Science in Mathematics

- Leah Marie Eaton
- Maverick Lee Koon - Magna Cum Laude
- Andrew J Taylor - Summa Cum Laude
- Tyler Michael Wiens

Bachelor of Science in Mechanical Engineering

- Jacob L Anderson
- Peter Frank Apostol - Summa Cum Laude
- Xavier T Ashcraft
- Emily Elizabeth Bauman
- Per Jens Benson
- Noah Addison Bistline - Magna Cum Laude
- Joshua Stuart Booterbaugh
- Benjamin Arden Brueck - Cum Laude
- Hanna Catherine Connette
- Isaac Richard Couling - Summa Cum Laude
- Morigan Hope Darragh
- Isaac Jay DeRuiter
- Zachariah Whitefield Dix
- Douglas Frank Draper
- Kiernan David Dunn - Magna Cum Laude
- Matthew Todd Edington
- Justin Scott Erkkila
- Cooper J Evans - Summa Cum Laude
- Benjamin Matthew Flowers
- Josiah David Franklin - Summa Cum Laude
- David Michael Fry
- James Robert Halverson - Summa Cum Laude
- Richard S Havourd
- Richard Alexander Heigl - Cum Laude
- Ethan Holt
- Nicholas Joseph Huetteman
- Jerrick Hui - Cum Laude
- Cameron Sutherland Hunter
- Ray W Huntley

Formal Session of the Board of Trustees - Agenda

- Austin Michael Janssen
- Owen Thomas Jarvela
- Calvin Carl Johnson
- Benjamin George Jones - Cum Laude
- Austin Edward Kleinfelt - Summa Cum Laude
- Sarah Elizabeth Knoll
- Robert Colton Kreischer
- Masen Steven Kuieck
- Brian Keith Waino Kylman
- Samuel Joseph Lange - Summa Cum Laude
- James Gregory Langsford
- Olivia Anne Langworthy
- Logan Alexander Madden - Magna Cum Laude
- Samuel T Marshall
- Michael Joseph Martorano - Cum Laude
- Seamus William McCauley
- Katherine J Morin
- Olivia Christina Morowsky - Magna Cum Laude
- Bryce Gregory Murphy
- Hallie M Olsen - Cum Laude
- Jack Christopher Paupert
- Robert Alan Pause
- Jarett Ryan Peak
- Wyatt Dennis Perry
- Catherine J Prince - Magna Cum Laude
- Eli Jacob Radtke - Magna Cum Laude
- Logan Gustav Rajala - Cum Laude
- Grayson Rayes
- Zachary Dennis Reed
- Joshua Alexander Reese - Magna Cum Laude
- Lauren Chloe Richards - Cum Laude
- Ethan C Sabotta
- Steven M Schoedl
- Elijah Miguel Sierra - Magna Cum Laude
- Samuel R Simon - Magna Cum Laude
- Connor Jeffrey Steer - Cum Laude
- John T Stengel

Formal Session of the Board of Trustees - Agenda

- Jaden Lee Sterk - Cum Laude
- Brandon James-Leno Stoops
- Matthew Sydoruk - Summa Cum Laude
- Zachary Thelander - Summa Cum Laude
- Teresa Christine Tomasino - Summa Cum Laude
- Jacob Alan Unser - Magna Cum Laude
- Charlotte Nicole VanFleteren
- Taylor Jessica VanOss
- Hayden Shaughn VanRavenswaay
- Zachary Ely Wagner - Magna Cum Laude
- Chandler Everett Ward
- Hunter James Wheeler
- Evia Zaka - Magna Cum Laude

Bachelor of Science in Mechanical Engineering Technology

- Kyle Michael Barbeau - Cum Laude
- Turner Andrew Ferris
- Luis Gustavo Hernandez Morales
- Justin Michael Kurncz - Cum Laude
- Kaleb Michael Lee
- Rebecca Rose Malinowski
- Faith Leah Oard
- Justin Schang
- Rocco Curtis Seals
- Noah James Simone
- Miles Finis Sterling
- Isaac Matthew Stilwell
- Timothy Sean Sucarski
- Jacob Eric Terlecki
- Patrick R Tibbetts
- Natalie Paige Wallas - Cum Laude
- Gerrit Edward Youdell

Bachelor of Science in Mechatronics

- Ryan Jacob Moilanen - Magna Cum Laude

Bachelor of Science in Medical Laboratory Science

- Grayson Pierce Brawner - Summa Cum Laude**
- Jennie Katherine Daavettila**
- Jessica May Gadbury - Cum Laude

Formal Session of the Board of Trustees - Agenda

- Owen Jay Hilbrecht**
- Jadya Christina Huuki**
- Holley Nye Jaehnig - Summa Cum Laude**
- Emily Rose Marenger**
- Hannah Rhae Montgomery**
- Sydney D Nelson - Cum Laude
- Emma Laine Rotman

Bachelor of Science in Mining Engineering

- Noah A Hodsdon - Magna Cum Laude

Bachelor of Science in Natural Resources Management

- Alexander William Conrad

Bachelor of Science in Psychology

- Taelor Rae Jurmu
- Kenneth Leroy Ritz

Bachelor of Science in Robotics Engineering

- Nicholas Cyril Bird
- Ian P Giles
- Stephen Thomas Metcalfe - Cum Laude

Bachelor of Science in Scientific and Technical Communication

- Aracely Hernandez-Ramos - Cum Laude
- Liam Gabriel Houston
- Lena Leigh Lukowski - Magna Cum Laude

Bachelor of Science in Social Sciences

- Eric Christopher Boyer-Cole
- Anthony Nestor - Cum Laude

Bachelor of Science in Software Engineering

- Tony Michael Garnett
- Devon Zachary Gosnick - Summa Cum Laude
- Patrick Daniel Janssen
- Ethan Gary Jones - Summa Cum Laude
- Andrew John Koman - Magna Cum Laude
- Cami Jo Maynard - Magna Cum Laude
- Lela N Root
- Emilie Kate Rummer - Summa Cum Laude
- Anna K Syracuse - Magna Cum Laude
- Noah Frederick Yacoub

Bachelor of Science in Sustainability Science and Society

- Cassidy E Beaupre

Bachelor of Science in Wildlife Ecology and Conservation

- Paige L Lieberman
- Robert Avent MacKinnon - Magna Cum Laude
- Meghan Elise McPherson - Cum Laude
- Michael Jacob Yuchasz

Doctor of Philosophy in Biochemistry and Molecular Biology

- Alexander Thomas Apostle

Doctor of Philosophy in Biomedical Engineering

- Mohanish Kishor Chandurkar
- Seyedmostafa Rezaeitaleshmahalleh

Doctor of Philosophy in Chemistry

- Yipeng Yin

Doctor of Philosophy in Civil Engineering

- Miaomiao Li
- Peifeng Su

Doctor of Philosophy in Computer Engineering

- Madhureeta Das

Doctor of Philosophy in Engineering - Computational Science and Engineering

- Sunyoung Ahn

Doctor of Philosophy in Forest Molecular Genetics and Biotechnology

- Swapan Chakrabarty

Doctor of Philosophy in Forest Science

- Samuel Donald Hervey

Doctor of Philosophy in Industrial Heritage and Archaeology

- James Aron Juip

Doctor of Philosophy in Materials Science and Engineering

- Ivan Gallegos

Doctor of Philosophy in Mechanical Engineering - Engineering Mechanics

- Bryant Richard Goodenough
- Hrishikesh Suhas Gosavi
- Daniel Jeffery Lesko
- Saleh Valizadeh Sotubadi

Doctor of Philosophy in Physics

- Nithin Allwayin

- Lisa Eggart
- Samuel John Groetsch

Doctor of Philosophy in Rhetoric, Theory and Culture

- Favour Esinam Normeshie

Master of Business Administration

- Nicholas David Arnold
- Morgan T Duley
- Lucas Alexander Kendall
- Thomas Edward Mehall
- Brandon Joesph Michalak
- Matthew Benjamin Ojala
- Austin Eric Schlicht

Master of Engineering Management

- Stevans Caleb Ackon
- Syed Mohammad Zonaed Alam
- Josiah Asafo Agyei
- Olamide Idowu Ayeni
- Dawit Fekadu Geberemariam
- Praneeth Kumar Kodiganti
- Chandana Komati
- Abdul Waaje

Master of Forestry

- Evan Neibauer

Master of Geographic Information Science

- Dona Morel Djoffon
- Ryan Scott Navarre

Master of Science in Accounting and Analytics

- Eric Edward Coon
- Jordyn Marie Robinson

Master of Science in Applied Cognitive Science and Human Factors

- Laura Elizabeth Albrant

Master of Science in Applied Statistics

- Samuel Reed Burnett
- Christopher Randall Nottke
- Yorchei Xiong

Master of Science in Biological Sciences

- Enoch Annan
- Jenna Rose Dissler
- Peter Olumide Odugbemi

Master of Science in Biomedical Engineering

- Himja Tiwari

Master of Science in Chemical Engineering

- Prince Ato Duku
- William Douglas Hanson
- Kobina Akyea Ofori

Master of Science in Chemistry

- Connor James Hall
- Henry Lanquaye
- Dilka Nishadini Liyana Arachchige
- Mahmood Norouzi
- Kamand Sedaghatnia

Master of Science in Civil Engineering

- Lindsey Korina Anderson
- Sara Khoshnevis
- Sepehr Mohammadi
- Matthew Jarret Paavo
- Yash Ashok Pawar
- Briana Pibbs
- Jacob Andrew Stewart
- Susanna Marie Toivonen

Master of Science in Computer Science

- Joshua Tamunoye Alele-beals
- Dinakar Jonnalagadda
- Yogi Nikhileswara Reddy Koteru
- Sai Nikhil Nandala
- Venkata Sai Monica Pesala
- Cecilia M Schmitz

Master of Science in Cybersecurity

- Tyler James Lynch
- Gary Eugene Tropp

Master of Science in Data Science

- Hafsa Mohamed Abdi

Formal Session of the Board of Trustees - Agenda

- Sharmin Sultana Ananya
- Usama Ayub
- Mohamed Sahidu Bah
- Bhavani Chalamalla
- Samuel Darteh
- Vikramaditya Gurrapu
- Gilbert Mayogi Kennedy
- Koushik Srivastav Lala
- Balaji Mediboina
- Unnati Negi
- Joseph Chibuike Nwokeafor
- Yaw Opoku-Debrah
- Vinay Palakurthy
- Jinal Bipin Patel
- Saeed Peyman
- Haranadh Reddy Ravi
- Emmanuel Kiplagat Teigong
- Srina Vadhadiya

Master of Science in Electrical and Computer Engineering

- Ebenezer Adarkwa Yiadom
- Wesley D Beck
- Aishwarya Bhagat
- Dana K Brouse
- Jerome Elorm Kwarshi Cordjotse
- Joshua Joseph Cribben
- Parth Dixit
- Parinaz Eskandari
- Joshua Frank Gindt*
- Austen James Goddu
- William Jenness
- Justin A Kaster
- Zachary Palrang
- Vinay Kumar Pillalamarri
- Jonathan Andrew Rabideau
- Mohammad Navid Saeidi

Master of Science in Environmental Engineering

- Matthew James Alsip

- Aneef Shaik
- Kyle Dean Usimaki
- Yifan Zhang

Master of Science in Environmental Engineering Science

- Wycliff Ochieng Oduor

Master of Science in Forest Ecology and Management

- Joseph Reino Beeson
- Cory Christopher Burkwald
- Adam Zane Milenkowic

Master of Science in Forest Molecular Genetics and Biotechnology

- Shane Alexander Spence

Master of Science in Geological Engineering

- Jhuleyssy Liesseth Sanchez Aguilar

Master of Science in Geology

- Olakunle Olutosin Bejide
- Ryan Michael Cocke
- Logan Kenneth Fike

Master of Science in Health Informatics

- Venkatanand ram Addepalli
- Aminat Temitope Ajisegiri
- Suliat Oyetola Akinola
- Vishwajeeth Balaji
- Pooja Sree Bolisetty
- Suma Durga Bommasani
- Vijay Susmitha Bommini
- Catherine Diane Boomus
- Harika Kakumanu
- Kusuma puspa Korada
- Nikhil Lakkireddypalli
- Nagendra Madi Reddy
- Rithika Reddy Mahareddy
- Raja Muppidi
- Bhuvana Murki
- Gousia Parvin Patthan
- Djinaud Prophete
- Kavya Ravada
- Anjum Afrooz Shaik

Master of Science in Integrated Geospatial Technology

- Dylan Anderson
- Ashish Mahaur
- Izuchukwu Emmanuel Odoh

Master of Science in Kinesiology

- Lily Klaira Hart

Master of Science in Manufacturing Engineering

- Shammaas Mahmood Shafi

Master of Science in Materials Science and Engineering

- Mieka Rachelle Clark
- Matthew David Sisson
- Samuel Ashton Vellequette
- Andrew Robert Walch

Master of Science in Mathematical Sciences

- Austin David Higgins

Master of Science in Mechanical Engineering

- Joseph Kodwo Kodwo Awuni
- Vignesh Badanaguppe Shanthamalleshappa
- Matthew David Beals
- Venkata Umesh Chandra Chitturi
- Mahidhar Reddy Manda
- Dhruvit Manojkumar Mavani
- Eric Mitchell
- Nirgun Kakasaheb Mohite
- Sree Harshit Naidu Patnapuchetty
- Vayuputhra Rachakonda
- Vijay Swagath Rapelly
- Hrishikesh Dnyanesh Shinde
- Rahul Rajiv Shinde
- Prajwal Shukla
- Riddhesh Kishor Vaity
- Stephen Alexander Whalen
- Venkat Narayan Yelamanchili

Master of Science in Mechatronics

- Abhinav Arumilli
- Karthik Chowdary Chundu
- Tanmay Jeevan Deshpande

Formal Session of the Board of Trustees - Agenda

- Prarthana Divakar Hegde
- Reiki Tanaya Karuka
- Stephen Abiodun Michael
- Pavan Kalyan Miriyala
- Chanakya Nanduri
- Emmanuel Izuchukwu Nkwocha
- Tarun Reddy

Master of Science in Mining Engineering

- Charles Okai Addai
- Isaac Donkoh
- Rapheka Yah Targbwe
- Benitta Wiafe
- Maxwell Yeboah

Master of Science in Physics

- Reed Arthur Downs
- Tanner Michael Sether

* Addendum to Conferral : Degree awarded in term 202401

** Addendum to Conferral: Degree awarded in term 202405

VI-C. Resignations, Retirements, and Off-Payroll

BOARD OF TRUSTEES OFF-PAYROLL REPORT
(November 24, 2024 – February 1, 2025)

Last Name	First Name	Class	Department	Title	Most Recent Hire Date	Term Date
Kampe	Stephen	FF		Professor	08/17/2008	01/04/2025
Dixon	David	PF	General Counsel		08/16/2010	01/14/2025
Langston	Nancy	FF	Social Sciences	Professor	07/14/2013	12/31/2024

Last Name	First Name	Class	Department	Title	Most Recent Hire Date	Term Date
Yarina	Carolyn	PP		Venture Center Director	05/13/2024	11/05/2024
Ring	Leah	UF	Graduate School	Administrative Aide	02/19/2024	11/24/2024
Allie	Corey	PF	Research Institute	Information Systems Security Engineer	06/13/2022	11/29/2024
Jennings	Matthew	CF	General Athletics	Head Coach Volleyball	03/01/2012	12/20/2024
Beaupre	Cassidy	UP	Teaching &	Office Assistant	11/27/2023	12/22/2024
Wernette	Phillipe	PF			02/05/2024	12/31/2024
Sanders	Christopher	PF	Diversity &	Assistant Director	03/08/2021	01/02/2025
Hatman	Christina	UF		Senior Administrative Aide	10/16/2023	01/04/2025
Marino	Sarah	PF	Marketing &	College Digital Content Manager	09/16/2024	01/07/2025
Pinnow	Christopher	PF			04/03/2006	01/09/2025
Eskola	Joseph	PF	Resources & Environmental	Research Associate	12/16/2005	01/17/2025
Seguin	Daniel	PF	Materials Science and Engineering	Engineer/Scientist/Academic Advisor	12/27/2009	01/18/2025

VI-D. Funding Productivity Report

**Michigan Technological University
Michigan Tech Fund
Fundraising Productivity Report**

Fiscal Year 2025 through 10/31/2024
Compared to Prior Fiscal Year

FY 2025				FY 2024					
Source	YTD Total	Adjustment	FY Goal	% of Goal	Source	YTD Total	Adjustment	FY Goal	% of Goal
Major Gifts (Over 10K)	\$737,648		4.68	16%	Major Gifts (Over 10K)	\$846,534		7.96	11%
Planned Gift Commitments	\$8,535,222		15.50	55%	Planned Gift Commitments	\$4,660,588		13.35	35%
Annual Giving (10K or less)	\$472,173		2.43	19%	Annual Giving (10K or less)	\$640,210		2.37	27%
<i>Subtotal: Ind Giving</i>	<i>\$9,745,042</i>		<i>22.61</i>	<i>43%</i>	<i>Subtotal: Ind Giving</i>	<i>\$6,147,332</i>		<i>23.68</i>	<i>26%</i>
Corporate Giving	\$741,203		2.56	29%	Corporate Giving	\$891,038		2.50	36%
Foundation & Other Org Giving	\$814,188		5.00	16%	Foundation & Other Org Giving	\$392,480		3.00	13%
Corporate Sponsored Research	\$4,380,737		13.75	32%	Corporate Sponsored Research	\$1,925,213		13.67	14%
FUNDRAISING TOTAL	\$15,681,170		43.92	36%	FUNDRAISING TOTAL	\$9,356,063		42.85	22%

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

VII. Action and Discussion Items

VII-A. Emeritus Rank

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

RECOMMENDATION: It is recommended that the Board of Trustees approves the following emerita and emeritus appointments:

Dr. Song-Lin "Jason" Yang, Professor Emeritus
Department of Mechanical & Aerospace Engineering

Dr. David Shonnard, Professor Emeritus
Department of Chemical Engineering



Michigan Tech

OFFICE MEMO

TO: Michigan Technological University Board of Trustees

FROM: Chemical Engineering Department Chair

DATE: January 10, 2025

SUBJECT: Recommendation for Emeritus Status

The faculty of the Chemical Engineering Department voted on October 2, 2024, to request that the Michigan Technological University Board of Trustees name Dr. David Shonnard as Professor Emeritus upon his retirement on June 30, 2024.

David R. Shonnard joined the Department of Chemical Engineering at Michigan Tech in August 1993 from a postdoc position at Livermore National Laboratory. His PhD (1991) and MS (1985) are from the University of California-Davis in Chemical Engineering; his BS (1983) is from the University of Nevada-Reno in Chemical and Metallurgical Engineering. His research interests are in alternative energy, recycling, and the detection and mitigation of pollutants. David helped introduce bioprocess experiments into the UO Lab and a Graduate Certificate in Engineering Sustainability and Resilience. As Director of the Sustainable Futures Institute (2010 - 2022), he helped bring in \$30,000,000 in external funding with collaborators across the world. David has mentored dozens of graduate students and nearly 200 undergrad students. Through his career, his research and teaching accomplishments have won multiple awards. David is co-author of two textbooks published by Pearson - Prentice.

Approved

Department Chair

January 10, 2025
Date

College Dean

Date

Provost and Senior Vice President for Academic Affairs

Date

President

Date



TO: Michigan Technological University Board of Trustees

FROM: Jason R. Blough, Ph.D., MAE Department Chair and Distinguished Professor

DATE: December 4, 2024

SUBJECT: Recommendation for Emeritus Status – Dr. Song-Lin “Jason” Yang

The faculty of the Mechanical and Aerospace Engineering (MAE) department voted on December 3, 2024 to request that the Michigan Technological University Board of Trustees award Professor Emeritus status to Dr. Song-Lin “Jason” Yang upon his retirement on January 1, 2025.

Dr. Yang joined the MAE faculty as an Assistant Professor in 1989, became Associate Professor with tenure in 1995, and was promoted to Professor in 2004. Throughout his career, he has received numerous accolades, including Certificates of Recognition from the NASA Glenn Research Center in 1989 and 1997, the MTU Teaching Excellence Recognition in 2001 and 2002, NASA's GRC Space Act/Board Action Award in 2001, the SAE Member Service Award in 2007, and the 2015 Outstanding Alumni Award from Chung Yuan Christian University in Taiwan.

Dr. Yang has made significant contributions to research, with 35 journal papers, 61 referred conference papers, and 15 conference presentations. He also developed six software programs and delivered five invited short courses and 23 invited talks.

A dedicated colleague, mentor, and friend, Dr. Yang has had a lasting impact on the Michigan Tech community. The faculty of MAE strongly supports granting him Professor Emeritus status in recognition of his outstanding contributions.

Approved

Jason R. Blough / keb Digitally signed by Jason R. Blough / keb
Date: 2024.12.04 17:01:36 -05'00'

Department Chair

College Dean

Provost and Senior Vice President for Academic Affairs

President

FY2026 ROOM AND BOARD AND APARTMENT RENTAL RATES

Today we present the recommended rates for Michigan Tech's residential and dining portfolio for the 2026 fiscal year. Considering the costs necessary to continue delivering an exceptional residential living experience, these rates have been carefully curated and reviewed by multiple stakeholders.

RECOMMENDATION: That the Board approves the remaining residence hall housing rates, meal plan rates, and apartment and house rental rates for FY2026 (East hall rates previously approved in December).

Residence Hall Student Housing and Dining Individual Rates 2025- 2026

Residence Halls

Academic Year Occupancy Dates: August 17, 2025 - December 13, 2025 (16 weeks) and January 4, 2026 - April 25, 2026 (15 weeks)

Room Types/Occupancy	2024-2025 Housing	Proposed Increase	2025-2026 Housing	Percent Change
Wadsworth Hall, McNair Hall, Douglas Houghton Hall				
Standard Occupancy (Double/Quad)	\$ 7,254	\$ 341	\$ 7,595	4.70%
Single Occupancy	\$ 9,207	\$ 403	\$ 9,610	4.38%
Deluxe Double-NEW		\$ 8,618	\$ 8,618	N/A
Double Occupancy Private Bath	\$ 8,339	\$ 372	\$ 8,711	4.46%
Single Occupancy Private Bath	\$ 10,385	\$ 496	\$ 10,881	4.78%
Temporary Housing	\$ 5,797	\$ 403	\$ 6,200	6.95%
East Hall (approved December 2024)				
Double full suite (4 person)		\$ 10,106	\$ 10,106	N/A
Single full suite (4 person)		\$ 11,594	\$ 11,594	N/A
Double individual suite room (2 person)		\$ 10,726	\$ 10,726	N/A
Single individual suite room (1 person)		\$ 12,121	\$ 12,121	N/A
Summer Term Residence Hall Rates - Weekly				
Summer Weekly Single Occupancy, Shared Bath	\$ 190	\$ 10	\$ 200	5.26%
Summer Weekly Single Occupancy, Private Bath	\$ 217	\$ 10	\$ 227	4.61%
Summer Double Weekly Occupancy, Shared Bath	\$ 140	\$ 7	\$ 147	5.00%
Summer Double Weekly Occupancy, Private Bath	\$ 170	\$ 8	\$ 178	4.71%

Academic Year Meal Plans

Academic Year Occupancy Dates: August 17, 2025 - December 13, 2025 (16 weeks) and January 4, 2026 - April 25, 2026 (15 weeks)

Dining Plans	2024-2025	Proposed Increase	2025-2026	Percent Change
Standard Dining Plans				
Premium Gold Unlimited	\$ 5,766	\$ 248	\$ 6,014	4.30%
19 Meal Plan	\$ 5,549	\$ 248	\$ 5,797	4.47%
14 Meal Plan (second year+ live on students only)	\$ 5,208	\$ 217	\$ 5,425	4.17%
East hall 10 Meal Plan (approved Dec. 2024)			\$ 4,464	N/A
Summer (weekly rate disclosed)	\$ 157	\$ 25	\$ 182	15.92%

Standard double room/Dining Combined Rate	\$ 13,020	\$ 589	\$ 13,609	4.52%
--	------------------	---------------	------------------	--------------

The standard double room/dining combined rate includes our most common double room combined with a Gold unlimited meal plan. This allows us to compare growth from the current year to past years.

Independent Living-Apartments, Houses, and Hillside Dining Rates 2025-2026

Apartments & University Houses

Room Type	2024-2025	Proposed Increase	2025-2026	Percent Change
Monthly Daniell Heights Student Rates (July 1, 2025-June 30, 2026)				
One Bedroom	\$ 900	\$ 40	\$ 940	4.44%
Two Bedroom	\$ 1,200	\$ 50	\$ 1,250	4.17%
Monthly Daniell Heights University Employee Rates (July 1, 2025-June 30, 2026)				
One Bedroom	\$ 1,100	\$ 40	\$ 1,140	3.64%
Two Bedroom	\$ 1,360	\$ 50	\$ 1,410	3.68%
Academic year Hillside Place Apartments (Fall 2025 and Spring 2026 combined)				
Single Bedroom in Shared Apartment	\$ 11,873	\$ 682	\$ 12,524	5.48%
Single Bedroom Apartment	\$ 12,865	\$ 620	\$ 13,485	4.82%
Monthly University Houses				
Standard Single	\$ 600	\$ 20	\$ 620	3.33%
Deluxe (large) Single	\$ 660	\$ 20	\$ 680	3.03%

Hillside Place Meal Plans

Hillside Block Plans				
150 Block Plan with \$150 Dining Dollars (per semester)	\$ 3,044	\$ 654	\$ 3,698	21.48%
100 Block Plan with \$100 Dining Dollars (per semester)	\$ 2,164	\$ 332	\$ 2,496	15.34%
75 Block Plan with \$75 Dining Dollars (per semester)	\$ 1,666	\$ 230	\$ 1,896	13.81%

VII-C. EXCLUSION RESOLUTION FOR DEPARTMENT OF DEFENSE

In 2008 the Board of Control amended policy 12.8. Security Clearance Department of Defense by establishing an Executive Committee. On March 5, 2009, the Board approved an Exclusion Resolution for the Department of Defense that excludes Board of Trustees member's access to classified information unless they are a member of the Executive Committee. The Board appointees to the Executive Committee are Jon Jipping, Steven Tomaszewski, and Monique Wells. The Administration is requesting that the Exclusion Resolution be revised to reflect the current Board appointments.

RECOMMENDATION: That the Board of Trustees adopts the Exclusion Resolution as presented herein.

I, *Richard J. Koubek*, do hereby certify that I am President of Michigan Technological University, a Michigan educational institution organized and existing under the laws of the State of Michigan, and that the following is a true and correct copy of a resolution adopted by the Board of Trustees of Michigan Technological University at a meeting held at Michigan Technological University on *(date)* _____, at which time a quorum was present.

EXCLUSION RESOLUTION

WHEREAS, current Department of Defense Regulations contain a provision making it mandatory that the Senior Management Officials and Facility Security Officer meet the personnel clearance requirements established for a contractor facility security clearance; and

WHEREAS, said Department of Defense Regulations permit the exclusion from the personnel clearance requirements of certain members of the Board of Trustees and other officers, provided that this action is recorded in the corporate minutes.

NOW THEREFORE BE IT DECLARED that the President of the University, Chairman of the Board, Vice President for Research and Facility Security Officer at the present time do possess, or will be processed for, the required eligibility for access to classified information; and

BE IT RESOLVED that in the future, when any individual enters upon any duties as President of the University, Vice President for Research, Chairman of the Board, and Facility Security Officer, such individual shall immediately make application for the required eligibility for access to classified information; and

BE IT RESOLVED AND DIRECTED that the following members of the Board of Trustees shall not require, shall not have, and can be effectively and formally excluded from access to all **CLASSIFIED** information in possession of the corporation and shall not affect adversely corporate policies or practices in the performance of classified contracts for the Department of Defense or the government contracting activities (User Agencies) of the National Industrial Security Program.

NAME	TITLE
John Bacon	Board of Trustee Member
Andrea Dickson	Board of Trustee Member
Matthew Johnson	Board of Trustee Member
Jeffrey Littmann	Board of Trustee Member
Shannon Dare Wayne	Board of Trustee Member

IN WITNESS WHEREOF I have hereunto set my hand and affixed the seal of Michigan Technological University on this date: _____.

Richard J. Koubek
President, Michigan Technological University

VII-D. REVISIONS TO BOARD POLICY 9.4 MICHIGAN TECHNOLOGICAL UNIVERSITY LEADING SCHOLAR AWARD

REVISION – RED

9.4. Michigan Technological University Leading Scholar Award

Open to first-time domestic freshmen displaying outstanding academic achievement, leadership, creative abilities and high potential for success at Michigan Technological University, for a four-year period (8 semesters).

Awards are renewable for second, third, and fourth year students who maintain a cumulative grade point average of 3.25 as of the end of spring semester, acceptable social behavior, and continuous regular full-time undergraduate enrollment.

No replacements are made for students who withdraw.

Scholarship Committee considers requests for extensions of scholarships, but in no case would they be extended beyond 9 semesters. The 9 semesters would apply to those students required to attend a summer semester or who demonstrate extenuating circumstances.

~~Number available: Variable not to exceed 20 between resident and non-resident awards.~~

Michigan Residents:

Value: amount equivalent to commonly accepted educational expenses (i.e. regular full-time tuition charges, room, board, plus a stipend not to exceed 10% of resident lower division tuition). Students who are selected are not eligible for the Presidential Scholar Award.

Non-Michigan Residents:

Value: Up to regular non-resident full time tuition charges.

For non-resident students eligible for the Military Family Education Award or the Alumni Legacy Award, the value is equal to in-state tuition. Students who are selected will not be eligible for the National Scholar Award.

FINAL VERSION

9.4. Michigan Technological University Leading Scholar Award

Open to first-time domestic freshmen displaying outstanding academic achievement, leadership, creative abilities and high potential for success at Michigan Technological University, for a four-year period (8 semesters).

Awards are renewable for second, third, and fourth year students who maintain a cumulative grade point average of 3.25 as of the end of spring semester, acceptable social behavior, and continuous regular full-time undergraduate enrollment.

No replacements are made for students who withdraw.

Scholarship Committee considers requests for extensions of scholarships, but in no case would they be extended beyond 9 semesters. The 9 semesters would apply to those students required to attend a summer semester or who demonstrate extenuating circumstances.

Michigan Residents:

Value: amount equivalent to commonly accepted educational expenses (i.e. regular full-time tuition charges, room, board, plus a stipend not to exceed 10% of resident lower division tuition). Students who are selected are not eligible for the Presidential Scholar Award.

Non-Michigan Residents:

Value: Up to regular non-resident full time tuition charges.

For non-resident students eligible for the Military Family Education Award or the Alumni Legacy Award, the value is equal to in-state tuition. Students who are selected will not be eligible for the National Scholar Award.

VII-E. RETIRE BOARD POLICY 9.14 DIVERSITY INCENTIVE AWARDS

REVISION – RED

9.14. Diversity Incentive Awards

Value: Variable (\$1,000.00 minimum to maximum of full tuition plus fees).

Number Available: Variable.

Recipients must be U.S. citizens and members of the under-represented groups as defined by the Michigan Technological University Scholarship Committee. No group or person shall be discriminated against, or granted any preference, based upon any criteria prohibited by the

Constitution or Laws of the United States or the State of Michigan.

Awarded for up to a four-year period (8 semesters) for those students working on a bachelor's degree, and for a two-year period (4 semesters) for those students working on an associate degree.

Renewable for second, third and fourth year students who have maintained an acceptable cumulative grade point average (2.5 for those students with full awards; 2.0 for those students with lesser awards) as of the end of the spring semester, acceptable social behavior, and continuous full-time undergraduate enrollment.

Scholarship Committee considers requests for extensions. Extensions may be awarded to students who demonstrate extenuating circumstances and/or significant academic progress.

Scholarship Committee considers requests for reinstatement of scholarship from students returning after a withdrawal, depending on the circumstances of the withdrawal, provided the student had an acceptable grade point average upon leaving.

VIII. Reports

VIII-A. Carnegie Classification

Andrew Barnard, Vice President for Research

Michigan Tech: An R1 University

An inflection point for the University, the Upper Peninsula, and
the State of Michigan



Michigan
Technological
University

Carnegie Classification of Institutions of Higher Education (American Council on Education)

- 2025 criteria were updated, in part to recognize the exemplar work of focused universities like Michigan Tech with its focus in Engineering and Science
 - R1: >\$50M/yr in research expenditures and 70 PhD grads/yr (3 yr ave)
 - R2: >\$5M/yr in research expenditures and 20 PhD grads/yr (3 yr ave)
 - Research Colleges and Universities: >\$2.5M/yr in research expend. (3 yr ave)
- In 2025, 3941 institutions were ranked with only 187 achieving R1 status (4.75%)

R1 Universities include prestigious institutions such as Harvard, MIT, Johns Hopkins, Stanford, and Michigan

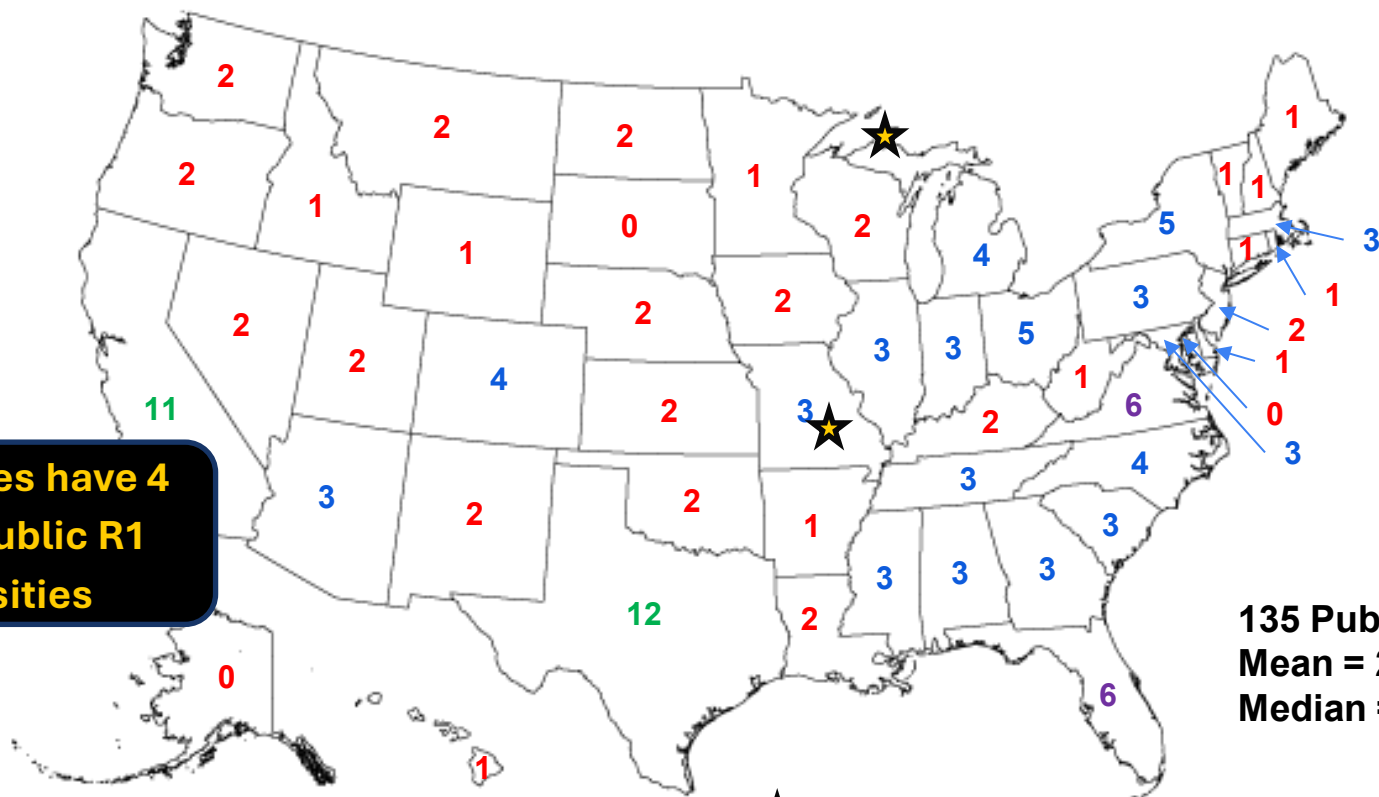
Michigan Tech

FY 23: \$103.8M in research expenditures
86 PhD graduates



In 2025 MTU achieves Research 1 (R1): Very High Spending and Doctorate Production

2025 R1 landscape: Public Universities



Only 9 states have 4 or more public R1 Universities

135 Public Institutions
Mean = 2.66
Median = 2

★ = Public + Remote + <10k students

What does this really mean for MTU students, faculty and staff, the university, and the state of Michigan?

Opportunity for Students

R1 Prestige

- More recruiting of our students
- More respected degrees nationwide

R1 Access

- Opportunities for undergraduate research
- World-class research facilities
- World-class research faculty



R1: Destination of choice for world-class students

Opportunity for Faculty and Staff

R1 Prestige

- Top quality research students attract and retain world-class faculty
- Funding agencies pay attention
- More research partnering opportunities

R1 Access

- Improved research facilities
- Career stability and advancement for research staff
- Faculty recruiting and retention



R1: Destination of choice for world-class researchers

University Opportunities

R1 Prestige

- Improved reputational rankings (USN&WR)

R1 Impact

- Expanded national voice in the technology and workforce of the future
- Become a “service provider of choice”

R1 Access

- Federal, state, and industry funds
- Growing Endowment
 - (4) UM: \$300k/student
 - (41) MSU: \$85k/student
 - (174) MTU: \$22k/student
- Venture capital and Angel investors



R1: Pioneers, visionaries, and leaders in innovation

State Opportunities

- R1 Impact
 - Expands the reach of R1 research across the entire state
 - Brings UP priorities to state R&D investment conversations
 - Expanded partnership with Michigan R1s to drive the next generation of innovation
- Elevates MI among R&D states
 - Provides MI a “Technological” R1 to compete with other states (Virginia Tech, Georgia Tech, Cal Poly, MIT, and others)



R1: Partners in state R&D priorities

R1: A new frontier for MTU

- Reputational validation and elevation
 - Graduate from a “hidden gem”, to a pioneer and leader
- Recruit and retain the best and brightest students, staff, and faculty to Houghton, MI
- Recognized premier R&D service provider status
- Elevated voice in state and national R&D priorities

This honor puts Michigan Tech right where it should be: at the heart of the next research revolution, creating very high impact and value for our students, faculty, staff, state, and nation

VIII-B

Research Presentation

Greg Odegard, John O. Hallquist Endowed Chair in Computational Mechanics,
Mechanical and Aerospace Engineering

US-COMP: Next Generation of Composite Materials for Crewed Deep Space Missions

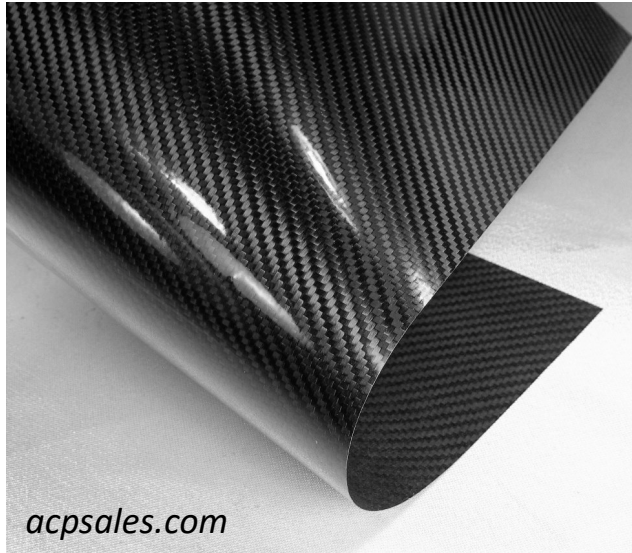
Greg Odegard

*Director, NASA STRI for Ultra-Strong Composite by Computational Design (US-COM)
John O. Hallquist Endowed Chair of Computational Mechanics , Michigan Tech*

February 21, 2025

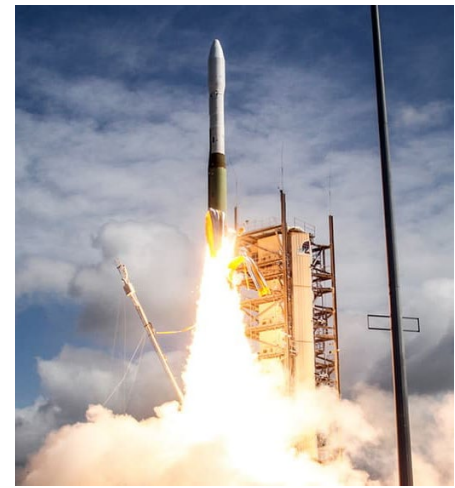


Current carbon fiber composites lack strength/toughness (per unit mass) for manned missions to deep space



NASA requirements

- Next generation composite materials with three-fold increase in mechanical strength and stiffness
- Panel-level testing (TRL-3)
- Component testing in relevant environment (TRL-5)
- Multi-university team
- Computationally-driven research



Minotaur Space Launch Vehicle
Northrop Grumman



SUPERIOR – Michigan Tech

US-COMP (Ultra-Strong Composites by Computational Design)

- First generation of NASA Space Technology Research Institutes (STRIs)
- Total funding: \$17M over 7.5 years
- Partners
 - 12 universities (Lead: MTU, PI: Odegard)
 - Materials manufacturers
 - Government labs
 - Aerospace companies
- 100+ journal publications
- 70 graduate students
- 45 undergraduate students

US-COMP review meeting
Richmond, VA 2022



US-COMP working meeting
Houghton, MI 2019



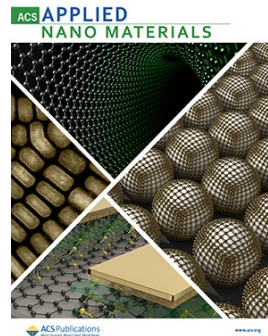
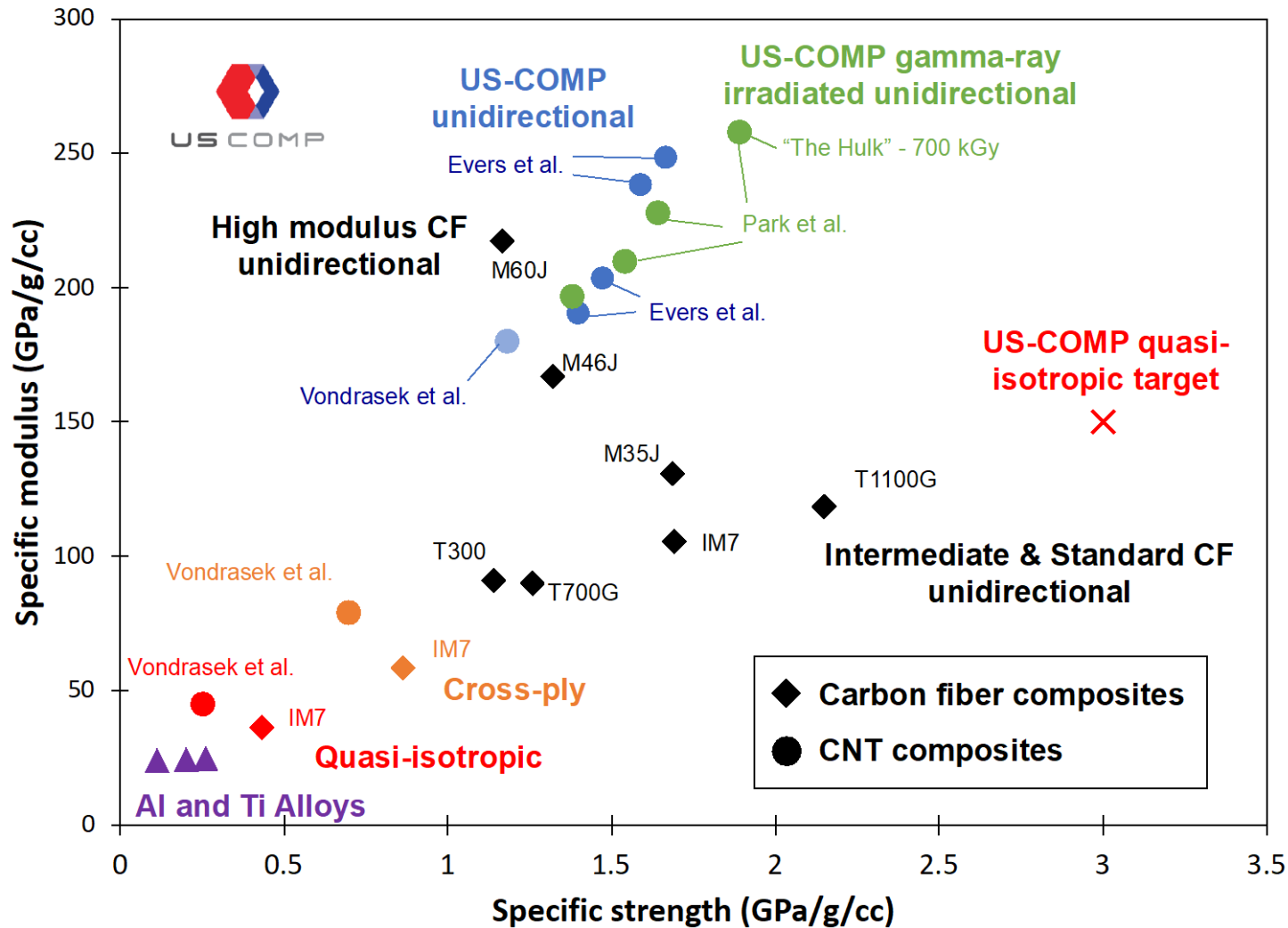
University Participants

- **Michigan Tech** (Greg Odegard, Julie King, Ravi Pandey, Trisha Sain, Susanta Ghosh)
- **Florida State University**
- **University of Utah**
- **MIT**
- **University of Colorado**
- **Virginia Commonwealth University**
- **Florida A&M University**
- **Georgia Tech**
- **Johns Hopkins University**
- **University of Minnesota**
- **Penn State**
- **Columbia University**

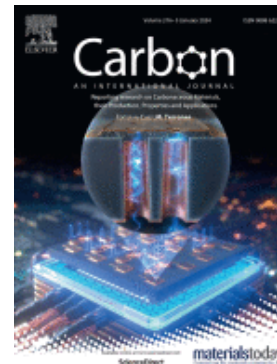


Industry/government lab participants

- **NASA Langley Research Center**
- **Air Force Research Lab**
- **Nanocomp/Huntsman**
- **Solvay**
- **Northrop Grumman**
- **Textum**
- **Boeing**
- **Lockheed Martin**



Evers et al., ACS Applied Nano Materials (2023)



Park et al., Carbon (2023)

VIII-C. Undergraduate Student Government

Isobel Bowker, USG Treasurer



USG UPDATE

Board of Trustees Formal Session
Friday, February 21, 2025

Presented by USG Treasurer Isobel Bowker



Spring 2025 USG Body





Ongoing Projects



Campus Committee Participation

- Alumni Board of Directors
- Athletic Council
- AVPA
- Committee for Accessible and Affordable Course Materials (CAALM)
- CommUNITY Education Team
- Diversity Council
- Experience Tech Fee Committee
- Food Advisory
- Friends of the Library
- Graduate Student Government
- Houghton City Council
- Inter Residence Housing Council (IRHC)
- Interfraternity Council (IFC)
- Non-Motorized Transportation Group
- Panhellenic Council
- Parent's Fund
- Public Oversight Committee
- Senate
- Student Commission
- Student Insurance Committee
- Student Success Council
 - Academics, Advising, Teaching
 - Physical Issues & Accessibility
 - Sense of Belonging/Campus Engagement
- Summer Orientation Task Force
- Health Research Institute
- Tech Forward Initiative on Sustainability and Resilience
- Tech Traditions Committee
- Title IX Awareness Committee
- Voter Engagement Coalition

RSO Budget Hearings

- **190** RSOs have signed up for a budget hearing!
 - **\$1.5** million total in SAF funds requested from submitted budgets
- Timeline:
 - 2/13-2/16, 3/6-3/9: RSOs present their budgets to USG's WaM Committee
 - 3/17: WaM meets with any RSO that appeals their proposed SAF allocations
 - 3/30: USG Body votes to approve WaM's proposed RSO SAF allocations
 - 7/1: With a new fiscal year, these 2025-2026 budgets go into effect for RSOs

2025-2026 USG Body Elections

- All undergraduate students are eligible to vote on Involvement Link!
 - They will be emailed when elections open
- **2/17 - 2/23**: Executive Board & At-Large Rep Elections
- **3/16 - 3/23**: Representative Elections
- **3/26**: Swearing-In of 2025-2026 USG Body
 - Marks the end of term for outgoing members as well

USG Constitution Revisions

- **12/13 - 12/15:** USG held Constitutional Convention!
- **1/8:** Convention's participants proposed a series of revisions to the USG General Body, including:
 - Adding a GSG member to the Ways & Means Committee
 - Increasing USG's total membership to allow for more positions as MTU increases in population
- **1/22 - PRESENT:** USG body voting on a few revisions each week
- Following this, USG will propose the revisions to the undergraduate student assembly

Committee Updates



Public Relations Committee
Fall 2024 Undergraduate Student Government



Events Committee
Fall 2024 Undergraduate Student Government



Political Affairs Committee
Fall 2024 Undergraduate Student Government



Events

- Spring Break Bus cycle is in full swing!
 - 2 Lower Michigan & 1 Wisconsin/Chicago Bus sold out (**165 total students**)
 - Buses leave campus tomorrow morning!
- Planning fun events for students across campus
 - Held event with mini-golf and snacks during the All-Nighter
 - Hosting “Puzzle Day” event in March to meet students, provide refreshments, and build puzzles!

Political Affairs

- Holding voter encouragement events for upcoming USG Elections
- Collaborating with a few other Michigan student governments on a proposal for course markings
 - Working with CAALM to see how course markings could be implemented at MTU

Ways & Means

- Continuing with Budget Hearings after Spring Break!
- Continuing to hold Opportunity Fund and Reserve Fund hearings
- Exploring options to support RSOs in tax filing process
 - Most RSOs were not aware that they needed to file taxes
 - Many RSOs are aiming to register as nonprofit with the IRS



Undergraduate
Student Government
At Michigan Tech

THANK YOU!

Questions?

Contact usg-treasurer@mtu.edu

VIII-D. Graduate Student Government
Lauren Sprague, President



Presentation to **BOARD OF TRUSTEES**

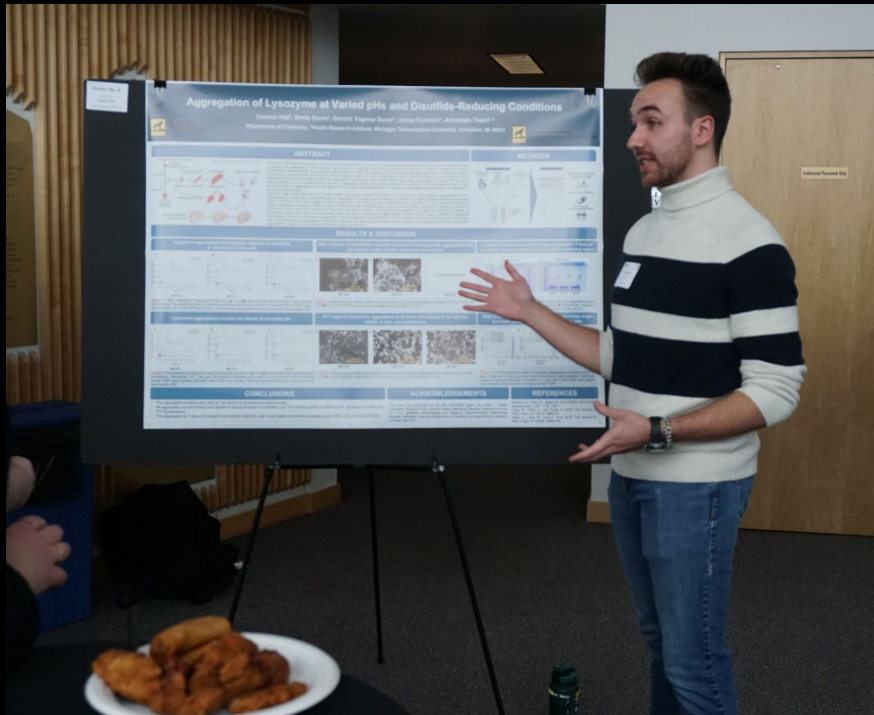
Lauren Sprague

GRADUATE STUDENT GOVERNMENT

February 21, 2025



GSG Graduate Research Colloquium



March 25th

Oral Presentations 9-3pm in Alumni Lounge
Poster Presentation 5-8pm in Rozsa Lobby

March 26th

Annual Banquet 5pm to celebrate research progress, merit awards, graduate school & department awards along with a keynote speaker.

We are looking for faculty judges for both sessions.



Michigan Technological University
College of Computing



Michigan Technological University
College of Engineering



Michigan Technological University
College of Sciences and Arts



Michigan Technological University
Graduate School



Great Lakes
Research Center
Michigan Technological University



Upcoming Events

Design Thinking Speed Dating Dr. Elizabeth Veinott
Citation Management MTU Library
Presenting your Research MTU Library
Poster Presentation MTU Library
Presentation Practice GSG ProDev Team

Cultural Night Collaboration with Cultural Organizations
XC Skiing OAP
Tea & Pottery Night Magic Kiln
Laser Tag Respawn Laser Tag





Updates

Grad Commons

Lactation Space

Cultural RSO Events

Weekly Events:

Board game nights

Coffee chats

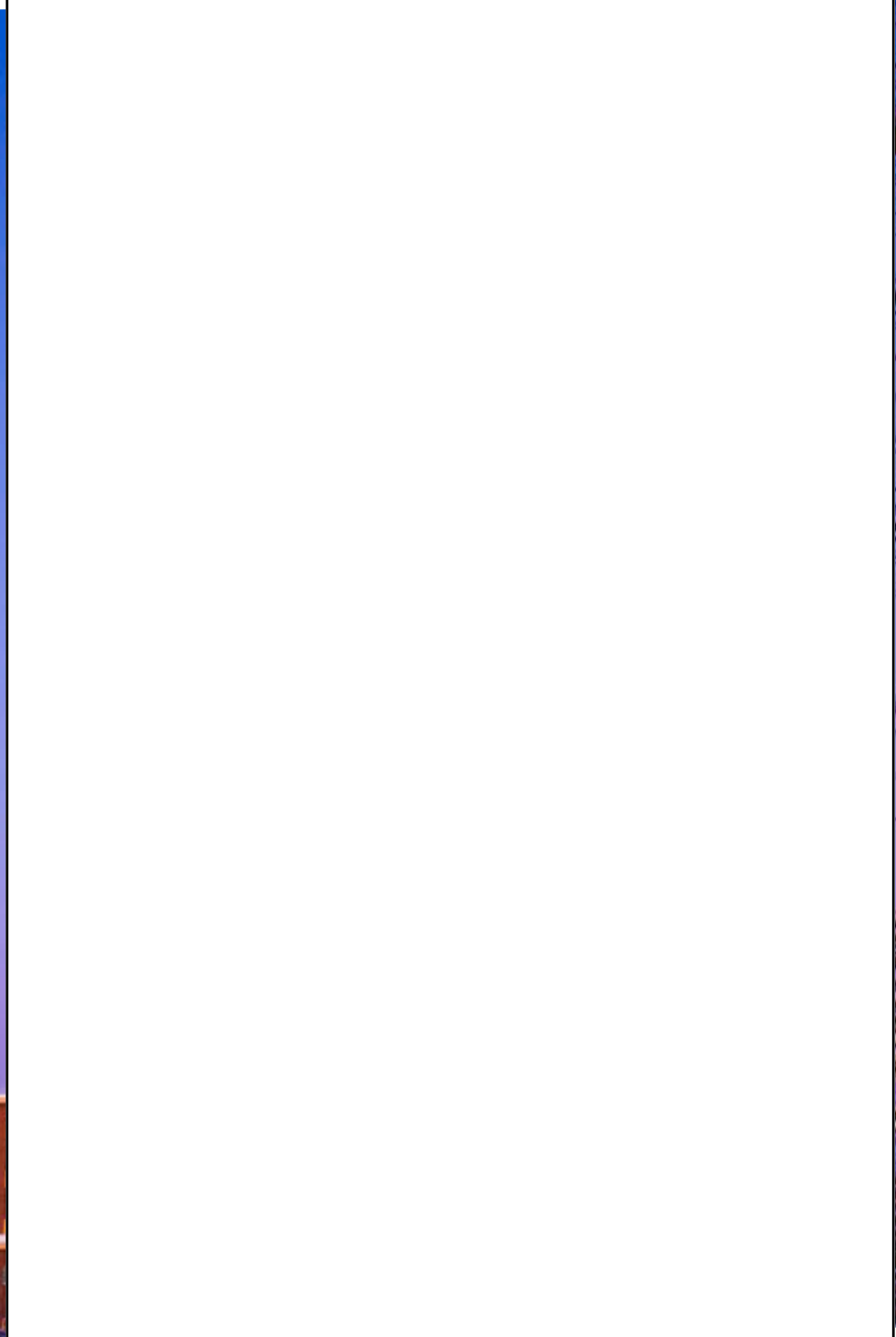
Sports Events Viewing

Movie Nights

TRAVEL AND CAREER ENRICHMENT GRANTS

112 Travel Grants

9 Professional Development



THANK YOU!



VIII-E. University Senate

Robert Hutchinson, President

University Senate Update

Robert Hutchinson, Senate President

February 21, 2025



Michigan Tech

Senate Approved Proposals

- 4-25: Establishment of a New Graduate Certificate in Advanced Geographic Information Science for Natural Resources
- 5-25: Defining and Implementing Digital Badges
- 9-25: Proposal to Amend Senate Policy 312.1; SYLLABUS

REQUIREMENT FOR ALL COURSES AT MICHIGAN TECHNOLOGICAL
UNIVERSITY



Upcoming Items of Business

- Faculty referendum on Proposal 6-25: Proposed Revisions to the Faculty Handbook, Appendix I, Section 5.8
- 10-25: Proposed Change to Senate Procedure 706.1.1 Section 8 on Timing of Sabbatical Applications
- 15-25: Establishment of a Bachelors of Science in Aerospace Engineering, Concentration: Engineering Enterprise
- 17-25: Revisions to Graduate Faculty Status Policy



IX. Informational Items

A. Analysis of Investments

**MICHIGAN TECH UNIVERSITY
INVESTMENT PORTFOLIO
JUNE 30, 2024 THROUGH DECEMBER 31, 2024**

	Market Value 6/30/2024	Market Value 12/31/24	Fiscal-Year Investment Return	Benchmark Return	Benchmark
Money Market Fund	\$ 3,786,266	\$ 3,018,993	2.41%	2.55%	3-Month T-Bill
Equity Funds:					
Core Equity Fund Commonfund	8,374,550	4,844,991	7.79%	8.44%	S&P 500
OCIO Equity Fund Total Equity Funds	<u>5,889,451</u> 14,264,001	<u>-</u> 4,844,991			
Fixed Income Funds:					
Intermediate Term Fund	8,748,423	10,021,374	3.07%	2.81%	ICE BofA Merrill Lynch 1-3 Yr Treasury
Commonfund Contingent Asset Portfolio	10,872,035	10,039,351	2.78%	2.81%	ICE BofA Merrill Lynch 1-3 Yr Treasury
High Quality Bond Fund	5,775,075	4,590,817	1.94%	1.98%	Bloomberg Barclays US Aggregate Bond Index
Multi-Strategy Bond Fund	<u>5,103,332</u>	<u>4,604,789</u>	1.51%	1.98%	Bloomberg Barclays US Aggregate Bond Index
Total Fixed Income Funds	30,498,865	29,256,331			
Total	<u>\$ 48,549,132</u>	<u>\$ 37,120,315</u>	<u>3.69%</u>		

IX-B. Sponsored Programs

Sponsored Activities Summary

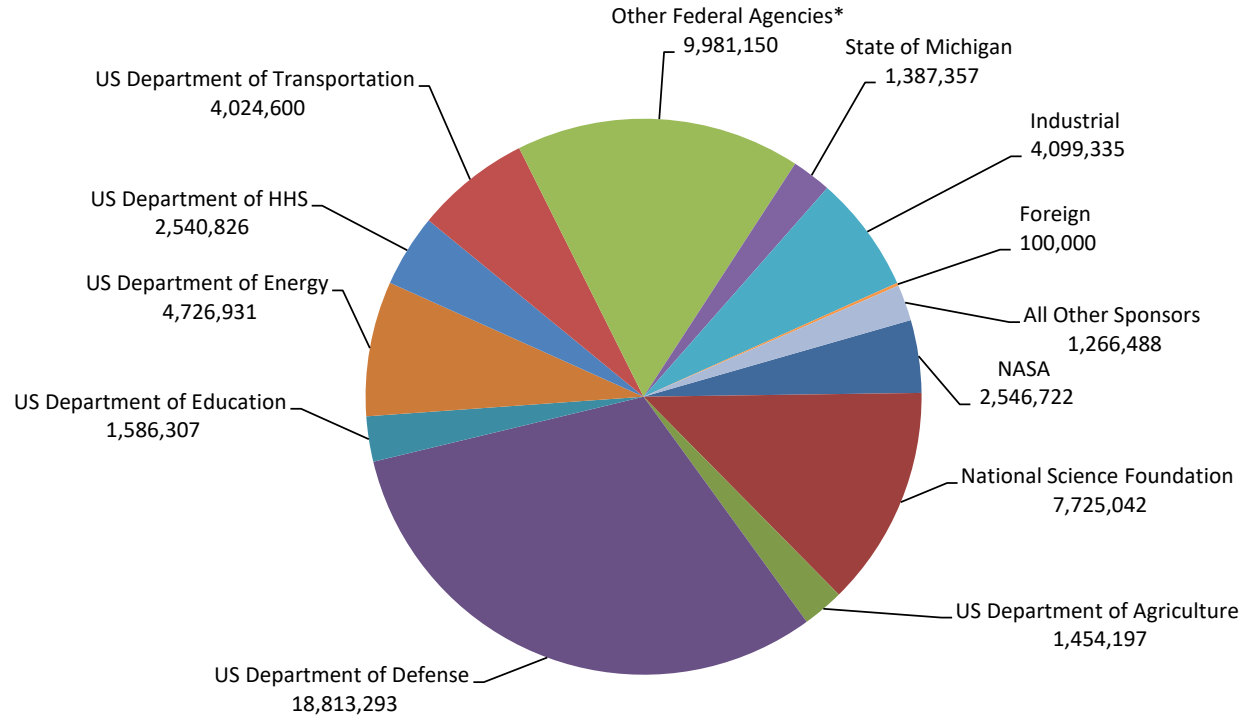
Fiscal Year 2025, Quarter Ended 12/31/2024

- Total awards are up 19.2% for FY25 compared to FY24.
- Gifts are up 70.4% for FY25 compared to FY24.
- Federal agency awards are up 27.5% for FY25 compared to FY24.
- Overall Industry activity increased by 41.4% over the last fiscal year.
- Preliminary research expenditures are up 19.9% over FY24. Internal research expenditures are up 15.4% while the external expenditures are up 23.5%.

Formal Session of the Board of Trustees - Agenda

Sponsored Awards
Fiscal Year 2025
2nd Quarter
Ended Dec 31, 2024
TOTAL: \$63,313,780

Pre-Proposals Submitted
(excluded from Proposals Submitted figures below)
FYTD 2024: 10
FYTD 2025: 31



Sponsor	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '25 as of 12/31	FY '24 as of 12/31	FY '25 as of 12/31	FY '24 as of 12/31	FY '25 as of 12/31	FY '24 as of 12/31		
NASA	31	43	35	12	2,546,722	1,690,210	856,512	50.7%
National Science Foundation	98	91	32	21	7,725,042	10,665,088	-2,940,046	-27.6%
US Department of Agriculture	45	34	21	17	1,454,197	1,224,216	229,981	18.8%
US Department of Defense	71	48	66	32	18,813,293	7,139,392	11,673,901	163.5%
US Department of Education	1	2	5	3	1,586,307	1,111,583	474,724	42.7%
US Department of Energy	26	24	22	19	4,726,931	6,519,612	-1,792,681	-27.5%
US Department of HHS	25	27	11	18	2,540,826	5,300,998	-2,760,172	-52.1%
US Department of Transportation	7	9	9	14	4,024,600	4,684,564	-659,964	-14.1%
Other Federal Agencies*	29	31	39	26	9,981,150	3,558,219	6,422,931	180.5%
Federal Agency Total	333	309	240	162	53,399,068	41,893,882	11,505,186	27.5%
State of Michigan	36	26	11	17	1,387,357	4,424,074	-3,036,717	-68.6%
Industrial	85	96	72	74	4,099,335	3,913,919	185,416	4.7%
Foreign	8	3	2	3	100,000	83,060	16,940	20.4%
All Other Sponsors	53	43	18	13	1,266,488	1,029,387	237,101	23.0%
Subtotal	515	477	343	269	60,252,248	51,344,322	8,907,926	17.3%
Gifts**	N/A	N/A	185	182	3,036,402	1,782,029	1,254,373	70.4%
Crowdfunding	N/A	N/A	3	2	25,130	1,388	23,742	1710.5%
Grand Total	515	477	531	453	63,313,780	53,127,739	\$10,186,041	19.2%

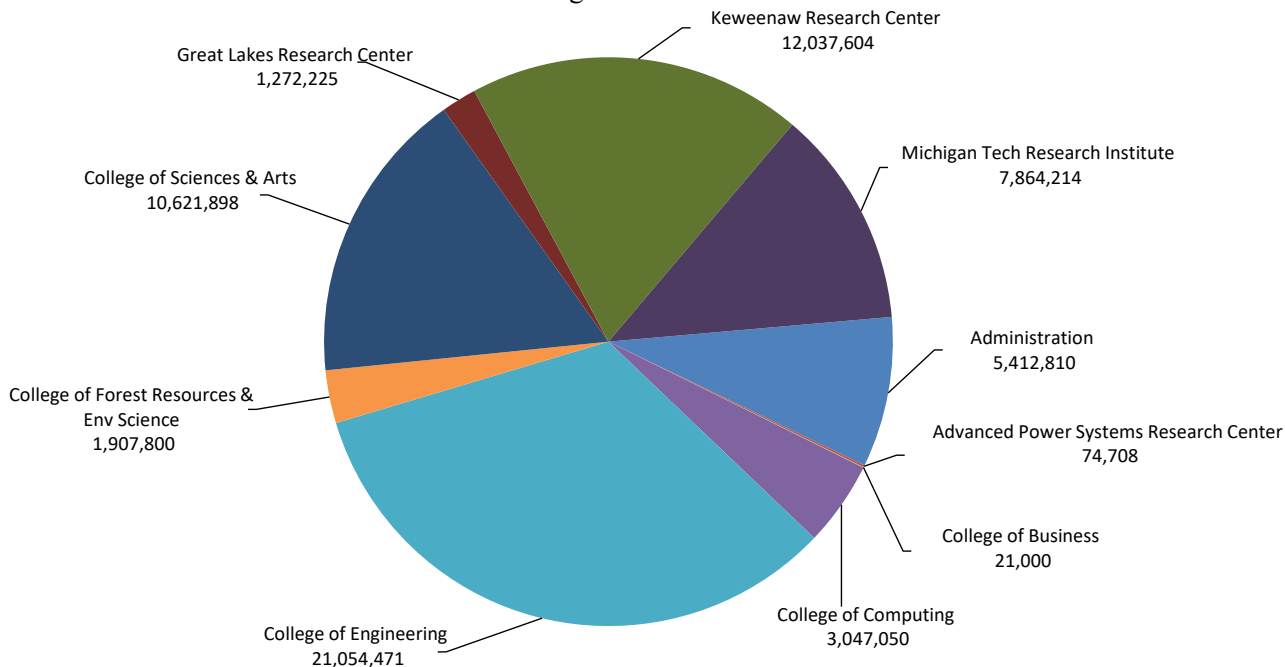
* National Endowment for the Arts and Humanities, US Dept of Commerce, US Environmental Protection Agency, US Dept of the Interior, US Dept of Homeland Security, US Dept of Labor, US Dept of State, US Small Business, US Dept of Treasury, US Small Business Administration

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

Formal Session of the Board of Trustees - Agenda

Vice President for Research
Fiscal Year 2025
2nd Quarter
Ended Dec 31, 2024

TOTAL: 63,313,780



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

Submitting Proposals since 07/01/2024
58.5%

On Active Projects as of 12/31/2024
64.2%

SPO & OIC Metrics ¹	Administration	Advanced Power Systems Research Center	College of Business	College of Computing	College of Engineering	College of Forest Resources & Env Science	College of Sciences & Arts	Great Lakes Research Center	Keweenaw Research Center	Michigan Tech Research Institute	Totals	Fiscal Comparison	Percent Change
Proposals Submitted	16	10	1	28	232	61	55	18	44	50	515	477	8.0%
Awards Received	114	3	3	23	210	35	42	19	39	43	531	453	17.2%
Federal	1,041,453	-	-	2,282,536	9,808,660	1,384,825	9,613,048	319,961	8,886,676	3,774,086	37,111,245	33,131,213	12.0%
Federal Pass-Through	2,010,891	10,000	-	550,091	8,016,749	211,776	786,321	781,503	423,042	3,497,450	16,287,823	8,762,669	85.9%
Foreign	-	-	-	-	80,000	-	-	-	20,000	-	100,000	83,060	20.4%
Gifts	2,348,466	-	11,000	39,570	392,666	104,300	140,400	-	-	-	3,036,402	1,782,029	70.4%
Crowdfunding	-	-	-	-	601	-	24,529	-	-	-	25,130	1,388	1710.5%
Industry	12,000	2,222	-	71,373	1,060,420	122,934	30,000	17,500	2,707,886	75,000	4,099,335	3,913,919	4.7%
Other	-	-	10,000	35,000	995,923	83,965	27,600	114,000	-	-	1,266,488	1,029,387	23.0%
State of MI	-	62,486	-	68,480	699,452	-	-	39,261	-	517,678	1,387,357	4,424,074	-68.6%
Total \$ by Division	5,412,810	74,708	21,000	3,047,050	21,054,471	1,907,800	10,621,898	1,272,225	12,037,604	7,864,214	63,313,780	53,127,739	19.2%
Fiscal Comparison	3,622,921	91,485	93,218	5,286,137	23,518,431	1,395,818	7,526,664	806,632	6,657,089	4,129,344	53,127,739		
Percent Change	49.4%	-18.3%	-77.5%	-42.4%	-10.5%	36.7%	41.1%	57.7%	80.8%	90.4%	19.2%		
Disclosures Received ²	3.57%	2.43%	-	3.57%	47.57%	-	42.86%	-	-	-	14	5	180.0%
Nondisclosure Agreements	1	11	-	4	28	1	1	-	10	17	73	43	69.8%
Patents Filed or Issued ²	-	-	-	-	33.00%	-	67.00%	-	-	-	6	5	20.0%
License Agreements	-	-	-	1	5	1	-	-	-	-	7	3	133.3%
Gross Royalties ²	20.00%	-	-	-	80.00%	-	-	-	-	-	60,475	47,953	26.1%

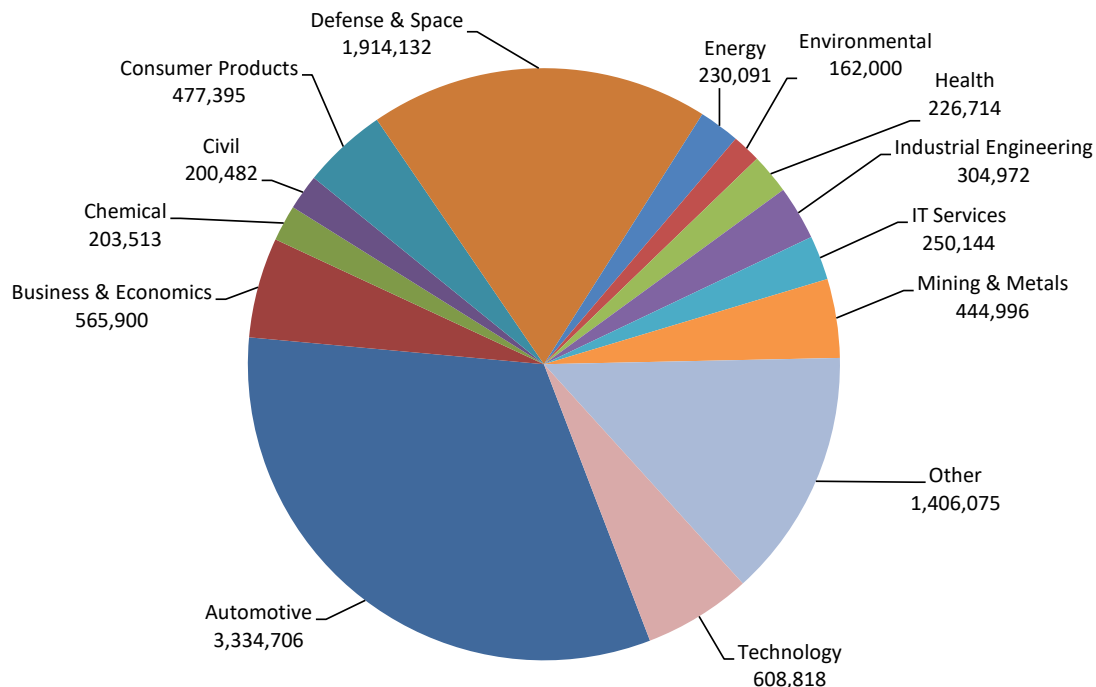
¹ Combined Metrics from both the Sponsored Programs Office (SPO) and Office of Innovation & Commercialization (OIC)

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

Formal Session of the Board of Trustees - Agenda

**Sponsored Awards
-Industry-
COMBINED
Fiscal Year 2025
2nd Quarter
Ended Dec 31, 2024

TOTAL: \$10,329,938**



Industry Segment	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '25 as of 12/31	FY '24 as of 12/31	FY '25 as of 12/31	FY '24 as of 12/31	FY '25 as of 12/31	FY '24 as of 12/31		
Automotive	31	29	43	34	3,334,706	2,692,725	641,981	23.8%
Business & Economics	4	1	15	11	565,900	248,916	316,984	127.3%
Chemical	3	2	11	6	203,513	99,099	104,414	105.4%
Civil	2	11	31	22	200,482	106,400	94,082	88.4%
Consumer Products	15	15	22	36	477,395	332,757	144,638	43.5%
Defense & Space	23	16	20	15	1,914,132	998,149	915,983	91.8%
Energy	5	6	18	20	230,091	178,453	51,638	28.9%
Environmental	3	-	16	2	162,000	40,144	121,856	303.5%
Health	12	9	14	8	226,714	158,295	68,419	43.2%
Industrial Engineering	7	9	13	10	304,972	136,317	168,655	123.7%
IT Services	6	6	14	8	250,144	30,850	219,294	710.8%
Mining & Metals	7	8	18	19	444,996	257,465	187,531	72.8%
Other	10	15	28	54	1,406,075	1,661,879	-255,804	-15.4%
Technology	8	8	9	8	608,818	365,879	242,939	66.4%
Total	136	135	272	253	10,329,938	7,307,328	3,022,610	41.4%

Michigan Technological University
Total Research Expenditures by College/School/Division
Fiscal Year 2025 & 2024
As of December 31, 2024 and December 31, 2023

College/School/Division	FY2025	FY2024	Variance	%
Administration*	4,289,201	3,254,165	1,035,036	31.8%
Advanced Power Systems Research Center (APSRC)	672,609	853,954	(181,345)	-21.2%
College of Business	1,039,423	905,089	134,334	14.8%
College of Computing	3,149,924	2,832,843	317,081	11.2%
College of Engineering	21,663,535	18,212,462	3,451,073	18.9%
College of Forest Resources & Environmental Science	3,516,575	3,727,184	(210,609)	-5.7%
College of Science & Arts	10,259,140	8,491,334	1,767,806	20.8%
Great Lakes Research Center (GLRC)**	930,192	1,158,701	(228,509)	-19.7%
Keweenaw Research Center (KRC)	6,450,854	3,615,606	2,835,248	78.4%
Michigan Tech Research Institute (MTRI)	7,101,220	6,226,929	874,291	14.0%
Total	59,072,673	49,278,267	9,794,406	19.9%

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

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

IX-C. Advancement & Alumni Relations

Advancement and Alumni Engagement Narrative
Michigan Tech Board of Trustees
December 13, 2024

2024-2025 Goals and Initiatives to be achieved in collaboration with administrative and academic leadership and the Michigan Tech Fund Board of Directors.

- Advanced Training
- Naming Policy Updates
- Third party fundraising initiatives
- Public campaign phase discussions and preparation
- Gift processing and receipting
- Stewardship and annual/impact report
- Alumni Center

FY25 MTF Working Goals

- Develop an annual report documenting the impact the MTF (and the donors that support it) has on the university.
- Develop a plan setting the administrative fee beginning '26-'27 which honors donor intent and maximizes the overall benefit to the university.
- Catalog all significant contracts/agreements and recommend an appropriate review cycle and process for each.

Flagship Campaign

Flagship emphasizes world-class research and academic facilities, endowed chairs and professorships, student scholarships, and enhancing the student experience. The ultimate goal is to equip Michigan Tech to lead in the fourth industrial revolution, fulfilling its mission and addressing the world's most complex problems.

As of October 31, 2024, the leadership phase of our seven-year campaign has successfully secured over \$221.8 million or 63.4% in gifts, bringing us closer to our \$350 million campaign goal. The public phase is slated to begin when we reach \$280 million; the campaign is scheduled to conclude in June 2029.

Accomplishments as of October 31, 2024

- \$221.8 million or 63.4% to the campaign goal of \$350 million
- \$18 million in outstanding and anticipated asks
- New cash to the endowment since campaign inception: \$21.5 million
- Since campaign inception, planned gifts earmarked for the endowment \$33.84 million
- 47 illustrations, proposals and gift agreements were provided to donors
- \$8.6 million in planned gifts
- \$1.78 in realized planned gifts
- \$737,648 million in major outright gifts and pledges
- \$772,173 in annual gifts under \$10,000
- \$4,381,782 in corporate support
- \$814,188 in foundation gifts
- Continue design consultant discussion.
- Vacant position:
 - Director for Charitable Giving
 - Director for Annual Giving
- Campaign Executive Committee met on October 21, 2024 and plan to meet again January 2025.

Advancement and Gift Planning

- Vacant position:
 - Director for Charitable Giving, interview in process
- Frontline fundraising travel schedule includes the following for November 1, 2024 – December 31, 2024:
 - California
 - Colorado
 - East Coast
 - Illinois
 - Indiana
 - Lower Michigan
 - Minnesota
 - North Carolina
 - Washington
 - Wisconsin
 - Chairs and Deans are engaged in donor visits when appropriate
- Donor Recognition:
 - Lt. Col Steve Danis '53 - ribbon cutting for his gift to expand Ford Center Conference Room, Alberta, Michigan

Advancement Services and Operations

- July 1 – September 30, 2024:
 - Gifts processed: 1106
 - New gift agreements: 26
 - Executed gift agreements: 15
 - New donor proposals: 6
 - New tickets received: 294
 - Tickets Resolved: 264
 - 7 Customizations
 - 52 Support - Bio updates
 - 51 Research - Additional or New information

Foundations

- The Herbert H. and Grace A. Dow Foundation – Managing stakeholder expectations and needs with the terms of the grant. Equipping frontline fundraisers with the resources and information needed to secure the \$2M match in collaboration with the Department of Chemistry and Chemical Engineering
- Leinweber Foundation – establishing Leinweber Software Scholars Program
- McAllister Foundation virtual visit was held December 5, 2024
- M&M Family Foundation Endowed Professor of Practice in Geospatial Engineering proposed executed

Principal Giving

- Finalized an \$8 million estate gift.
- Working on finalizing over \$40 million in gifts to benefit scholarships, research, and athletics.
- The Principal Gift Execution committee focuses on securing gifts over \$ 1 million for the benefit of the Flagship Campaign. It is chaired by David Rowe '84.
 - Working with CCS to fine-tune the wealth, likelihood, and ability of the top 70 friends/alumni who are rated as potential \$1MM+ donors.

- o The members have been actively hosting events, providing guidance, and reaching out and meeting with their assigned prospective donor names.

FY 25 Campaign Donor Hosted Events

- Houghton, MI - complete
- Detroit, MI - in progress
- Houston, TX - tentative
- Northern Michigan - tentative

2nd and 3rd quarter travel

- Lower Michigan (three trips)
- North Carolina
- Colorado
- Silicon Valley
- East Coast
- Minnesota
- Texas
- Arizona
- Florida

Alumni Engagement & Annual Giving Updates

The Alumni Engagement & Annual Giving (AE&AG) team continues to execute its mission to cultivate significant, mutually beneficial, lifelong relationships with alumni through three key pillars: events, communications, and volunteerism. Updates below reflect work done under each pillar. At this time, we are still waiting on dashboards/reporting to be set up in the CRM for annual giving results, so we have limited data to share on effectiveness of appeals and progress.

- Events:
 - o So far this fiscal year (FY25: July 1, 2024-June 30, 2025): nearly 62 alumni events across 12 different states have been hosted or are being planned for the future. More than 20 unique alumni volunteers have engaged with us in co-hosting these events year to date (YTD).
 - A few highlights:
 - Alumni ranging from class years 1951-2024 have attended alumni events this year.
 - The fourth Traveling Tech Talks even occurred in Boston, MA on October 10, 2024:
 - o "A Journey from Bits to Qubits" Featuring Paul Juodawlkis '86
 - Looking ahead:
 - We organized another "holiday blitz" occurring this year, with volunteer alumni working with the AE Office to host holiday parties in multiple states across the country in the spirit of the season.
 - 58th Great Lakes Invitational(GLI) in Grand Rapids.
 - January 3-5, 2025: Coachella Valley Cactus Cup alumni pregame social

- Alumni Getaway style events: the team is starting to build a framework around a “weekend getaway” or travel-trip type event format. Exact details and first trip TBD.
 - Veterans Weekend - May 2-3, 2025:
 - Reunion 2025: save the date for July 31-August 2, 2025.
- Communications
 - We recently created a new Alumni Stories page to share more alumni profiles, philanthropic celebrations, University news, and more.
- Volunteerism highlights
 - Hosted 27 Presidential Council of Alumnae members
 - Alumni Awards 2025: Nominations for the 2025 Alumni Awards are open now through Sunday, December 15.
 - Time & Talent: Five alumni gave their time and expertise to students by coming back to campus for a week of guest lecture opportunities earlier this fall.

Annual Giving

We are conducting a search to hire a Director of Annual Giving.

- Produced and sent 15 unique mass appeals (to a variety of target audiences) soliciting alumni & friends for either specific areas on campus, or generally encouraging support to Michigan Tech.
 - Some of these solicitations have been executed in coordination with our vendor partner, RNL
 - Some have been produced fully in-house
 - The team carefully coordinates drop dates and target lists ensures we are following industry best practices for annual giving
- Upcoming mass appeals:
 - Affinity appeal (Mont Ripley) - email
 - Giving Tuesday (general) - email
 - Calendar year end (general) - direct mail, email, digital ads
- In partnership with CCS Fundraising, conducting a Systems Assessment to help enhance our annual giving stewardship program.
- FY25 Give Back to the Pack: Michigan Tech's 24-hour giving challenge
 - Save the Day for April 8-9, 2025.
 - Participation continues to be the focus for our 24-hour giving challenges.

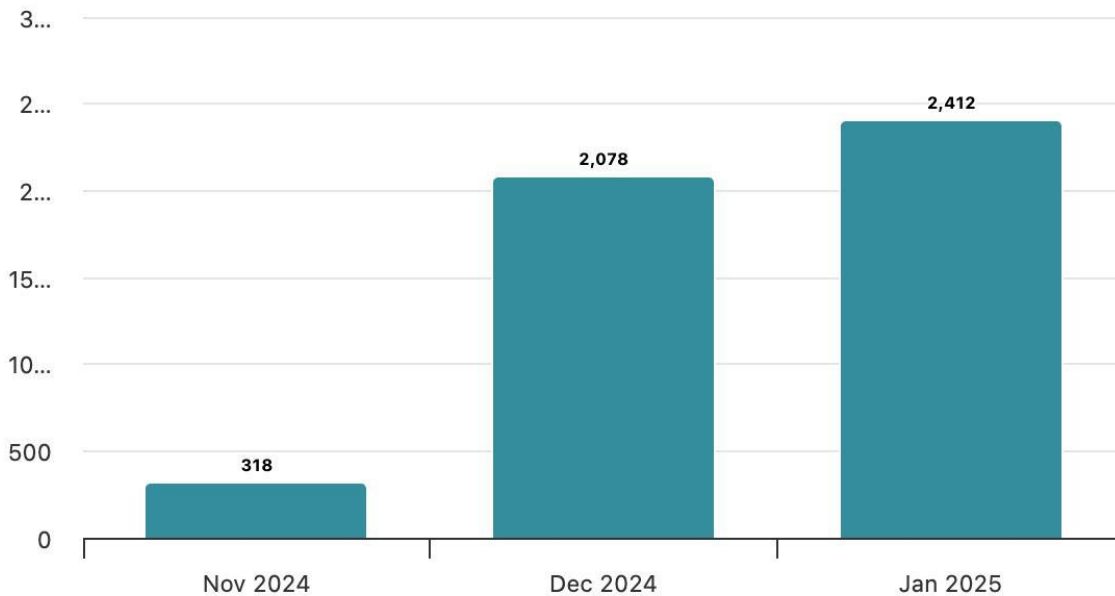
IX-D. Media Coverage

Media Report: Nov. 23 to Jan. 31, 2025
Michigan Technological University
Regular Meeting of the Board of Trustees
Feb. 21, 2025

Overview

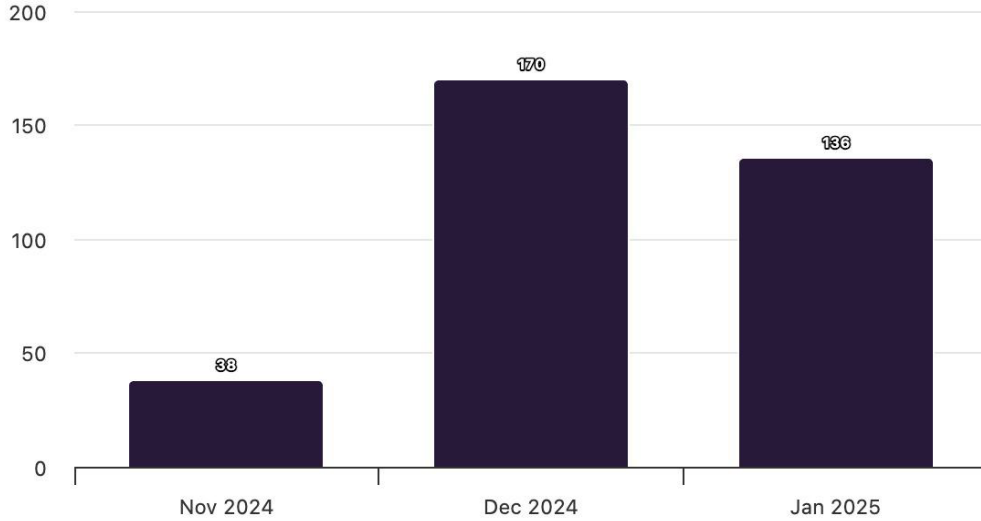
Between Nov. 23, 2024 and Jan. 31, 2025, a total of 4,808 online articles mentioned Michigan Technological University:

2/21/25 Michigan Tech Board of Trustees Regular Meeting, Media Report - Articles



Those 4,808 articles were shared, commented on, or liked on social media roughly 89,800 times, for an average engagement of 18 shares, comments, or likes per article:

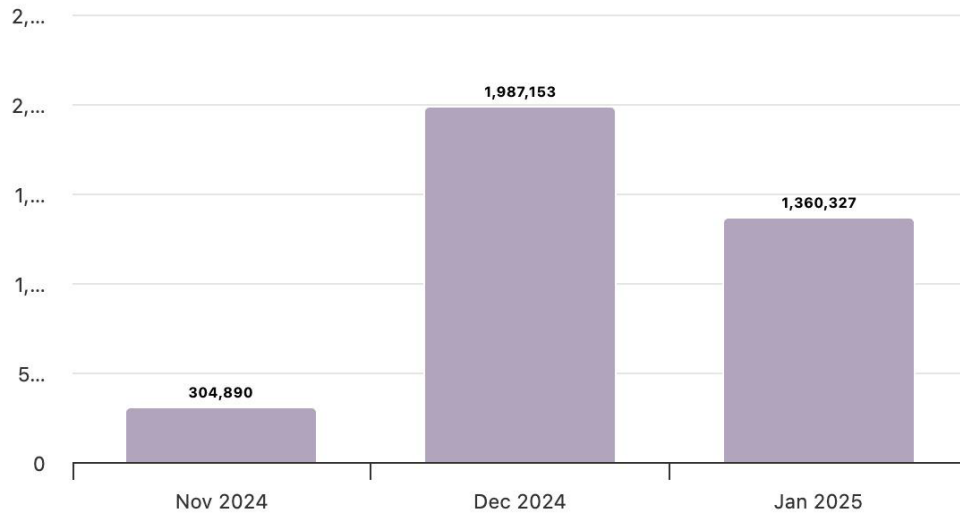
2/21/25 Michigan Tech Board of Trustees Regular Meeting, Media Report - Shares by Journalists



MUCK RACK

Journalists shared the articles 344 times, resulting in a reach of roughly 3.65 million people:

2/21/25 Michigan Tech Board of Trustees Regular Meeting, Media Report - Journalist Reach



MUCK RACK

News Highlights:

Research News

Caryn Heldt (ChE/HRI) was interviewed by [Technology Networks](#) for a story exploring how new technology and workflows could enable more efficient purification of biotherapeutics. Heldt discussed the current state of the art for viral vector purification and new advances in purification technology.

Jeremy Worm (MAE/APSRC) was quoted by [WLUC TV6](#) in a story about the successful prototype of an electric-diesel hybrid loader developed in collaboration with Baraga-based Pettibone. The prototype, which has been in functional testing for a month, has already exceeded its goal of reducing fuel consumption, achieving reductions of up to 65%.

Guy Meadows (GMES/GLRC) was a guest on the Jan. 3 episode of the [Points North](#) podcast titled "The Squeaky Sand Phenomenon." The episode explored the "Goldilocks" conditions that must align to make sand squeak, and how erosion and the water levels on Great Lakes beaches may contribute.

Chad Deering (GMES) was a guest on the Jan. 7 episode of Michigan Public's [Stateside](#) radio show. The episode discussed Deering's work in carbon capture and its potential to reduce global warming, along with the logistics involved in the process.

Kristin Brzeski (CFRES) was quoted by Galveston's [Daily News](#) in a story about a \$2.1 million National Science Foundation grant for research on Galveston's "ghost wolves." Brzeski, along with researchers from Princeton University, is studying the island's coyotes, which carry genes that could help save the North American red wolf from extinction.

[ECO Magazine](#) mentioned Michigan Tech in a story about the U.S. Department of Energy's \$18 million investment in marine energy and offshore wind research. Michigan Tech received \$598,800 to advance marine energy technologies as part of a broader initiative involving 27 projects at universities across the U.S. aimed at improving performance and reducing costs in the industry.

Laura Bourgeau-Chavez (MTRI) was mentioned by [NASA Science](#) in a story about newly selected citizen science proposals. Bourgeau-Chavez is the principal investigator for a project titled "Integrating Remote Sensing and Citizen Science to Support Conservation of Woodland Vernal Pools," which aims to map and monitor shallow, seasonal wetlands in Michigan, Wisconsin, and New York to better understand these important habitats.

John Vucetich (CFRES) was quoted by the [Iron Mountain Daily News](#) in a story about gray wolves expanding into the eastern U.S. The article discussed a study on the challenges wolves face in reaching new habitats and the human factors affecting their recovery.

Michigan Tech was mentioned by the [Associated Press](#) and [BusinessWire](#) in stories about Michigan Potash & Salt Company's \$1.26 billion loan guarantee from the U.S. Department of

Energy. The story highlighted the company's partnership with Michigan Tech and other local universities to foster a skilled workforce for its new potash and salt production facility in Osceola County.

Paul van Susante (MAE) was quoted by [Space News](#) in a story about Interlune's plans to harvest Helium-3 from the moon for use in quantum computing and nuclear fusion. Van Susante provided insight on the challenges of lunar Helium-3 extraction, emphasizing the importance of depth and extraction efficiency.

[Forbes](#) mentioned Michigan Tech in a story about workplace ageism and its impact on employees and businesses. The article highlighted the Open Sustainability Technology Lab's development of the first low-cost open-source metal 3D printer. The success of the project was credited to the multigenerational team's collaboration and willingness to learn from each other.

General News

Josh Buettner (ATH) was quoted by the [Detroit Free Press](#) in a story about Michigan Tech's men's basketball win over UW-Green Bay. Buettner discussed the viral attention the Huskies received, highlighting the team's resilience and the significance of the win. He also reflected on the importance of the victory for the players, particularly those from the Green Bay area. [ESPN](#), the [Associated Press](#), [SB Nation](#), [The Detroit News](#), [USA Today](#), [Sports Illustrated](#), [MLive](#), the [Daily Mining Gazette](#) and over 310 national ran similar stories.

[The Detroit News](#) mentioned Michigan Tech in a story about Bob and Ellen Thompson's philanthropic efforts, including the Thompson Working Families Scholarship program. The program provides scholarships to students at Michigan Tech and other universities, helping middle-income families afford higher education and significantly increasing graduation rates.

[WLUC TV6](#) quoted Michigan Tech students Kyle Hildebrand, Copper Country Robotics Club President, and Carter Steggerda, the club's Mechanical Lead, in a story about the "Robot in 3 Days" competition. The students are working to build a functional robot in three days to tackle challenges similar to those faced by FIRST Robotics high school teams. Their project will help provide insights for high school teams as they work on their own robotics challenges.

[WLUC TV6](#) featured Sierra Williams and Molly Capelli (both CEO), along with Michigan Tech undergraduate students Liz Lamers (environmental engineering) and Hannah Monville (biochemistry and molecular biology), in a segment on the Jan. 8 [TV6 Morning News](#). The story highlighted the Mind Trekkers and Michigan Tech's Summer Youth Programs, showcasing a live demonstration and offering opportunities to see the Mind Trekkers in action.

[The Athletic](#) mentioned Michigan Tech hockey defenseman Chase Pietila in its 2025 Pittsburgh Penguins NHL prospect pool rankings. Pietila was recognized for his key role in Michigan Tech's CCHA title and his strong all-around game as part of the Penguins' prospect pool.

The [Daily Mining Gazette](#) and [WLUC TV6](#) covered Michigan Tech's 36th annual Martin Luther King Jr. celebration. The event included a keynote address by author and Finlandia alum Schwartzen Precil and the presentation of the Bayard Rustin Award to Robert Handler (ChE) by the Michigan Tech chapter of the National Society of Black Engineers. Handler, Wayne Gersie (EB) and senior Brett Hamilton (electrical engineering) were quoted by the DMG.

[PR Newswire](#) and 132 additional outlets nationwide mentioned Michigan Tech in stories about the selection of Roxane Gay '10 (Ph.D. Rhetoric and Technical Communication) as the City College of New York's 2025 Langston Hughes Medalist.

[MLive](#) mentioned Michigan Tech in a story about the overall growth in enrollment at Michigan's public universities for the fall 2024 semester. Michigan Tech saw an increase in student enrollment, contributing to the state's positive trend in higher education recovery post-pandemic with a 2.8% statewide rise in student numbers.

[NHL.com](#) quoted Board of Trustees member John U. Bacon in a story about Michigan Tech's presentation of the Board of Trustees Silver Medal to late alumnus Tony Esposito '67. The award was presented posthumously to Esposito's family before the Michigan Tech hockey game against Northern Michigan on Friday, Jan. 24. [WLUC TV6](#) also covered the presentation.

The Daily Mining Gazette covered Michigan Tech junior men's basketball guard [Marcus Tomashek](#) and first-year hockey forward [Elias Jansson](#) earning weekly honors. Tomashek earned GLIAC Offensive Player of the Week honors for the third time this season, while Jansson was named CCHA Rookie of the Week for the second time.

The [Daily Mining Gazette](#) and [WLUC TV6](#) covered Michigan Tech's 2025 Spring Career Fair, which featured over 160 employers, including national companies and local businesses. Undergraduate students Mitchell Yates and Parker Molewyk were quoted by TV6, while Cody Kangas (CServ) and Jacob Timmer '17 (B.S. Computer Science) were quoted by the DMG. [My UP Now](#) also covered the event.

[WLUC TV6](#) mentioned Michigan Tech in a story about Dave Holli receiving the 2024 Carl V. Pellonpaa Lifetime Achievement Award. Holli was recognized for his groundbreaking work in the forest and wood product industry, including his contributions to forest harvesting technologies. Holli is a longtime supporter of MTU, serving on the curriculum advisory board for the College of Forest Resources and Environmental Science and the Michigan Tech Fund Board.

IX-E. Employee Safety Statistics

EMPLOYEE SAFETY STATISTICS 2024 ANNUAL REPORT

January 1 - Dec 31, 2023/2024

	Category	Years	Employee Classification								Total
			AFSCME	Faculty	Non-Exemp	POA	Professiona	Student	Temporar	UAW	
Number of Recordable Injuries	Injury Only w/Medical - No Lost Time	2023	2	1	0	0	0	5	1	0	9
		2024	4	1	0	0	5	2	1	1	14
	Lost Time Cases	2023	5	0	1	0	1	2	1	0	10
		2024	5	0	0	0	2	2	1	0	10
	Restricted Work Cases	2023	0	0	1	0	0	0	0	0	1
		2024	2	0	0	0	2	1	1	1	7
	Occupational Safety and Health Administration (OSHA) Recordable Injuries (Total of above)	2023	7	1	2	0	1	7	2	0	20
2024		11	1	0	0	9	5	3	2	31	
Number of Days	Injury Lost Time 3	2023	205	0	3	0	11	9	93	0	321
		2024	276	0	0	0	52	49	6	0	383
	Restricted Work Days ³	2023	0	0	17	0	0		0	0	17
		2024	97	0	0	0	16	14	16	15	158
Hours Worked	Total Work Hours	2023	256,035	782,629	89,706	17,579	1,211,585	#####	74,881	164,606	3,607,451
		2024	270,965	798,223	87,826	17,709	1,259,601	955,372	73,054	162,859	3,625,609
	Percentage of Work Hours	2023	7.1%	21.7%	2.5%	0.5%	33.6%	28.0%	2.1%	4.6%	100.0%
		2024	7.5%	22.0%	2.4%	0.5%	34.7%	26.4%	2.0%	4.5%	100.0%
Rates	Lost Time Case Rate ¹	2023	3.9	0.0	2.2	0.0	0.2	0.4	2.7	0.0	0.6
		2024	3.7	0.0	0.0	0.0	0.3	0.4	2.7	0.0	0.6
	Frequency Rate ² (Recordable)	2023	5.5	0.3	4.5	0.0	0.2	1.4	5.3	0.0	1.1
		2024	8.1	0.3	0.0	0.0	1.4	1.0	8.2	2.5	1.7

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

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

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

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

The Bureau of Labor Statics 2023 Injury, Illness, and Fatalities, Table 1 reports for Colleges and Universities; the average LOST TIME CASE RATE of days away from work was 0.4 and the average FREQUENCY RATE was 1.3.

IX-F. Disposal of Surplus Property

**Michigan Technological University
Surplus Property Sales
November 1, 2024 - December 31, 2024**

Date	Description	Amount
11/06/24	2000 Chevrolet Silverado 2500	\$ 150.00
11/15/24	Surplus Laboratory Supplies	31.00
11/15/24	Muffle Furnace, Lindberg Engineering Co	500.00
Total		\$ 681.00