



**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

## **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**  
Cole Pierucki, USG President
- 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

- Mikaillee 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 Waldrige - 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

- 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)**

<b>Last Name</b>	<b>First Name</b>	<b>Class</b>	<b>Department</b>	<b>Title</b>	<b>Most Recent Hire Date</b>	<b>Term Date</b>
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

<b>Last Name</b>	<b>First Name</b>	<b>Class</b>	<b>Department</b>	<b>Title</b>	<b>Most Recent Hire Date</b>	<b>Term Date</b>
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**

*Placeholder*

## 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'

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Department Chair

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College Dean

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Provost and Senior Vice President for Academic Affairs

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President

**VII-B. Approval of 2025-2026 Room & Board Rates**

Josh Olson, Interim Vice President for Administration

**VII-B. 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,

**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
<b>Wadsworth Hall, McNair Hall, Douglas Houghton Hall</b>				
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%
<b>East Hall (approved December 2024)</b>				
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
<b>Summer Term Residence Hall Rates - Weekly</b>				
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
<b>Standard Dining Plans</b>				
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%

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

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

**Hillside Place Meal Plans**

<b>Hillside Block Plans</b>				
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**  
Andrew Barnard, Vice President for Research

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

**VIII. Reports**

**VIII-A. Carnegie Classification**

Andrew Barnard, Vice President for Research

PLACEHOLDER

**VIII-B**

**Research Presentation**

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

PLACEHOLDER

**VIII-C. Undergraduate Student Government**

Cole Pierucki, USG President



# USG UPDATE

Board of Trustees Formal Session  
Friday, February 21, 2025

Presented by USG President Cole Pierucki



# 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-president@mtu.edu](mailto:usg-president@mtu.edu)

**VIII-D. Graduate Student Government**  
Lauren Sprague, President



# Presentation to **BOARD OF TRUSTEES**

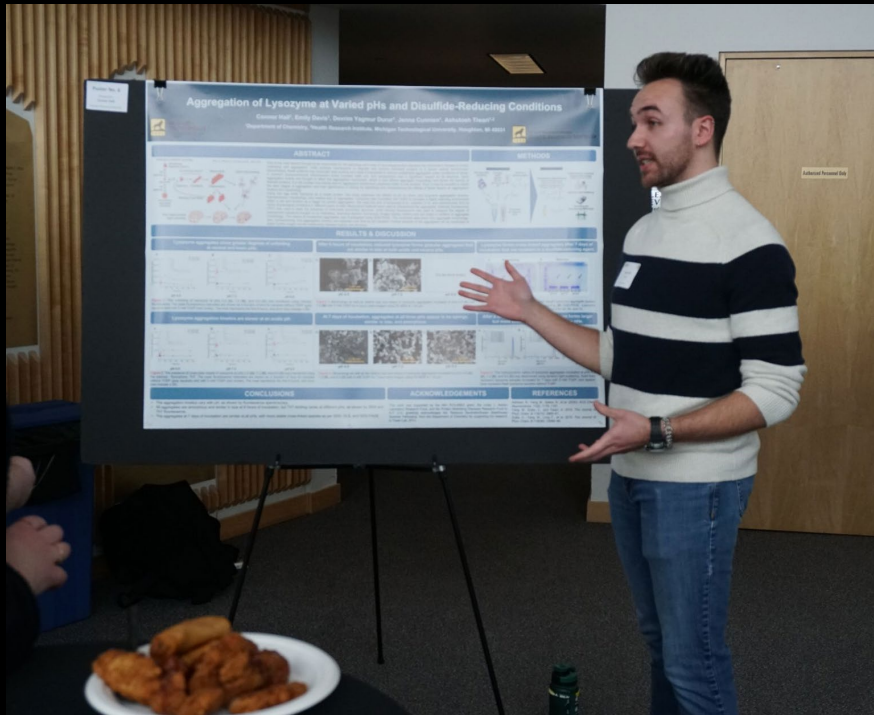
Lauren Sprague

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**

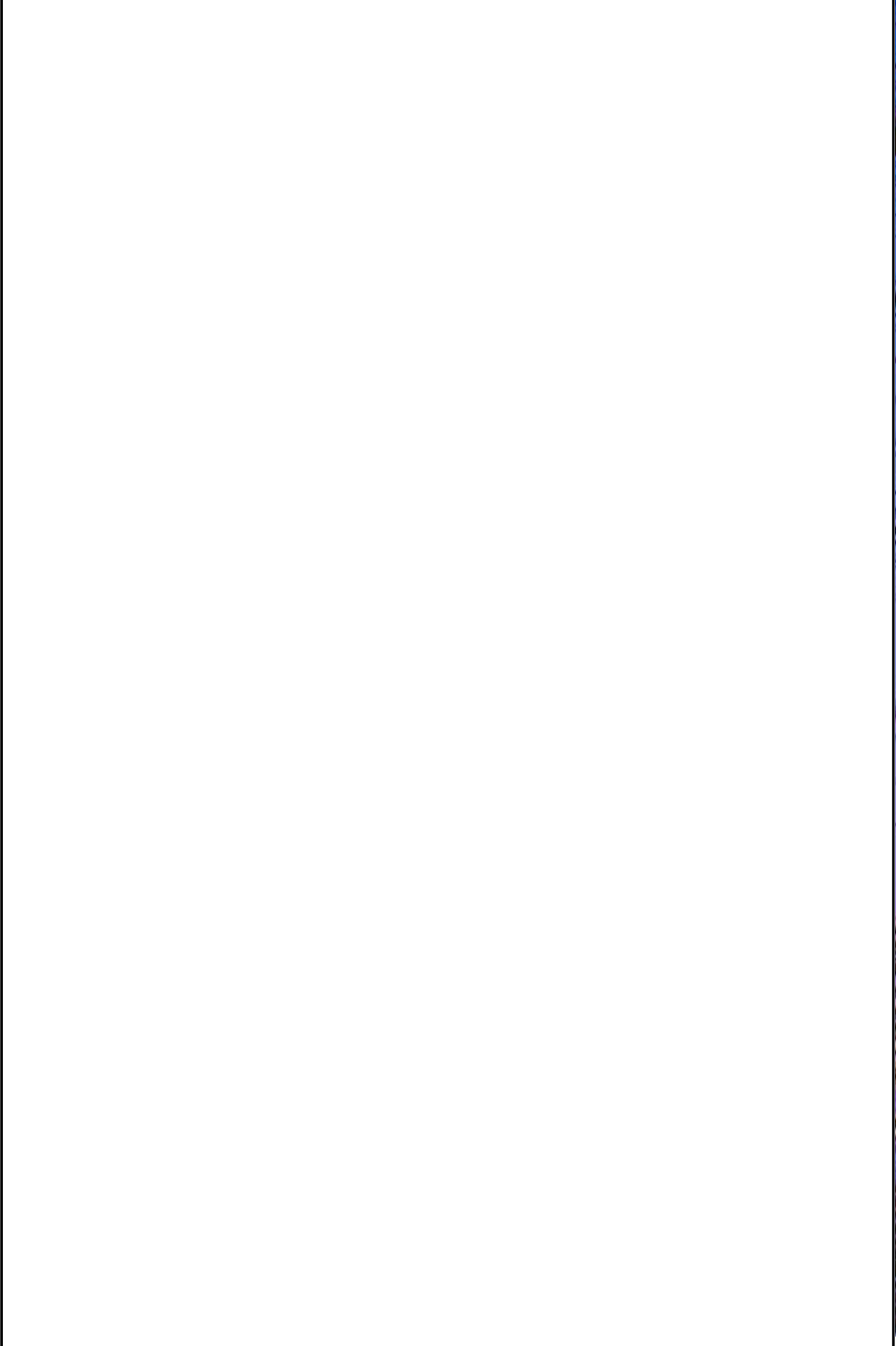
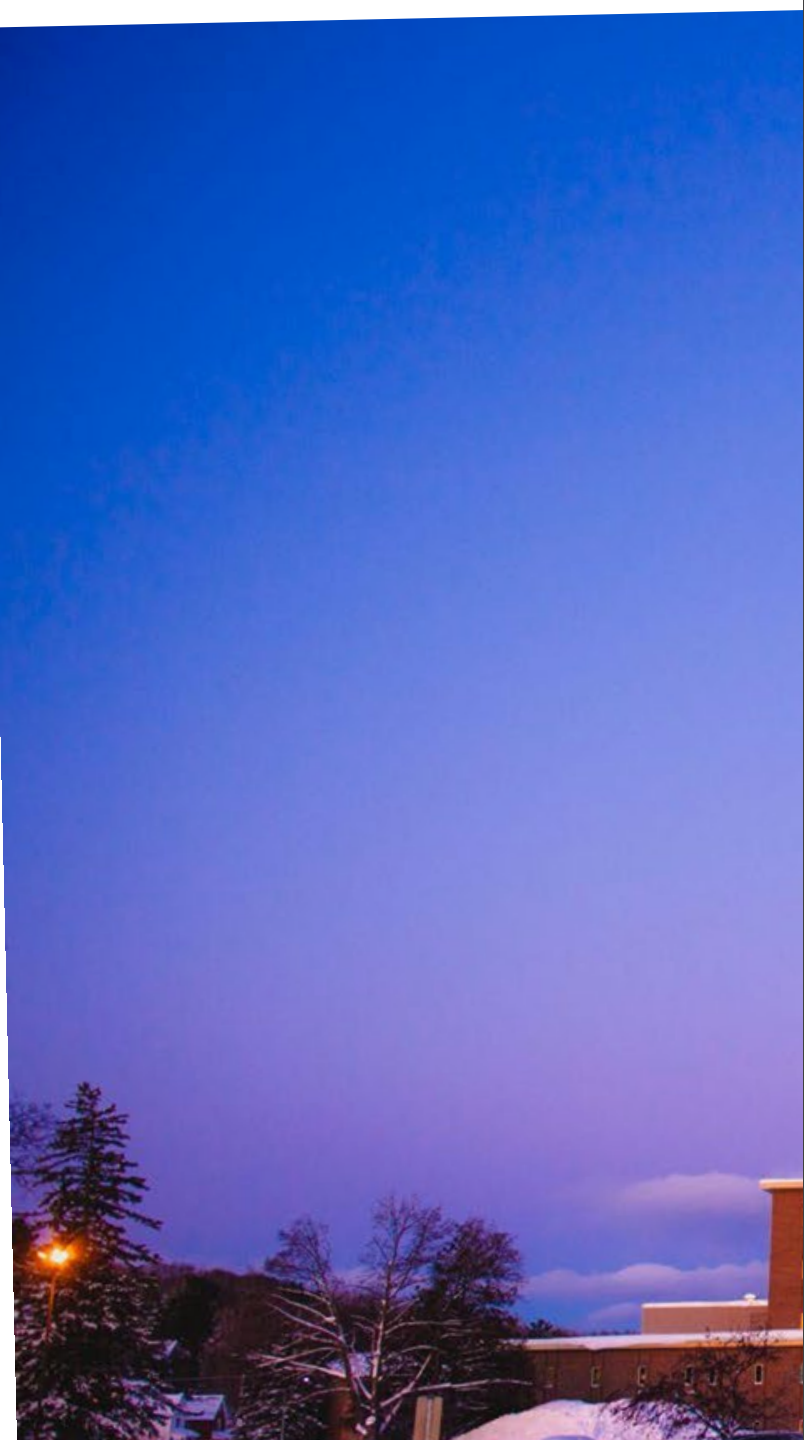
**Sports Events Viewing**

**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

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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

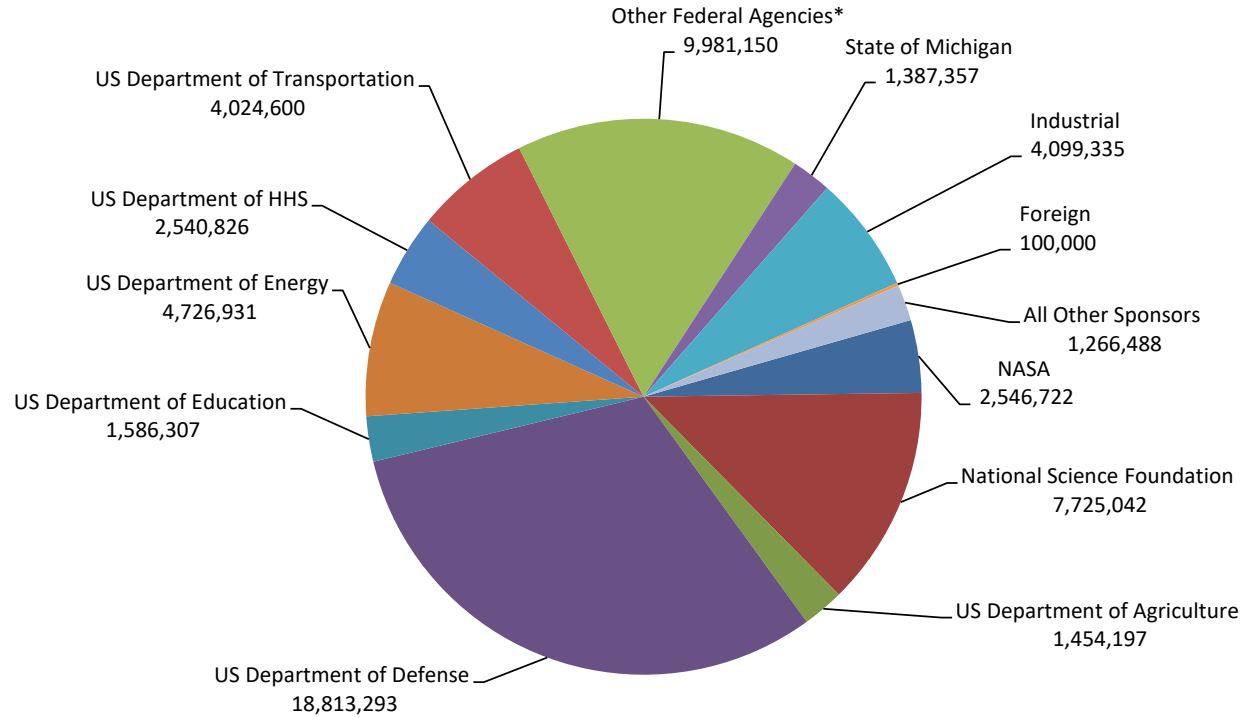
Fiscal Year 2025, Quarter Ended 12/31/2024

- 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%
<b>Federal Agency Total</b>	<b>333</b>	<b>309</b>	<b>240</b>	<b>162</b>	<b>53,399,068</b>	<b>41,893,882</b>	<b>11,505,186</b>	<b>27.5%</b>
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%
<b>Subtotal</b>	<b>515</b>	<b>477</b>	<b>343</b>	<b>269</b>	<b>60,252,248</b>	<b>51,344,322</b>	<b>8,907,926</b>	<b>17.3%</b>
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%
<b>Grand Total</b>	<b>515</b>	<b>477</b>	<b>531</b>	<b>453</b>	<b>63,313,780</b>	<b>53,127,739</b>	<b>\$10,186,041</b>	<b>19.2%</b>

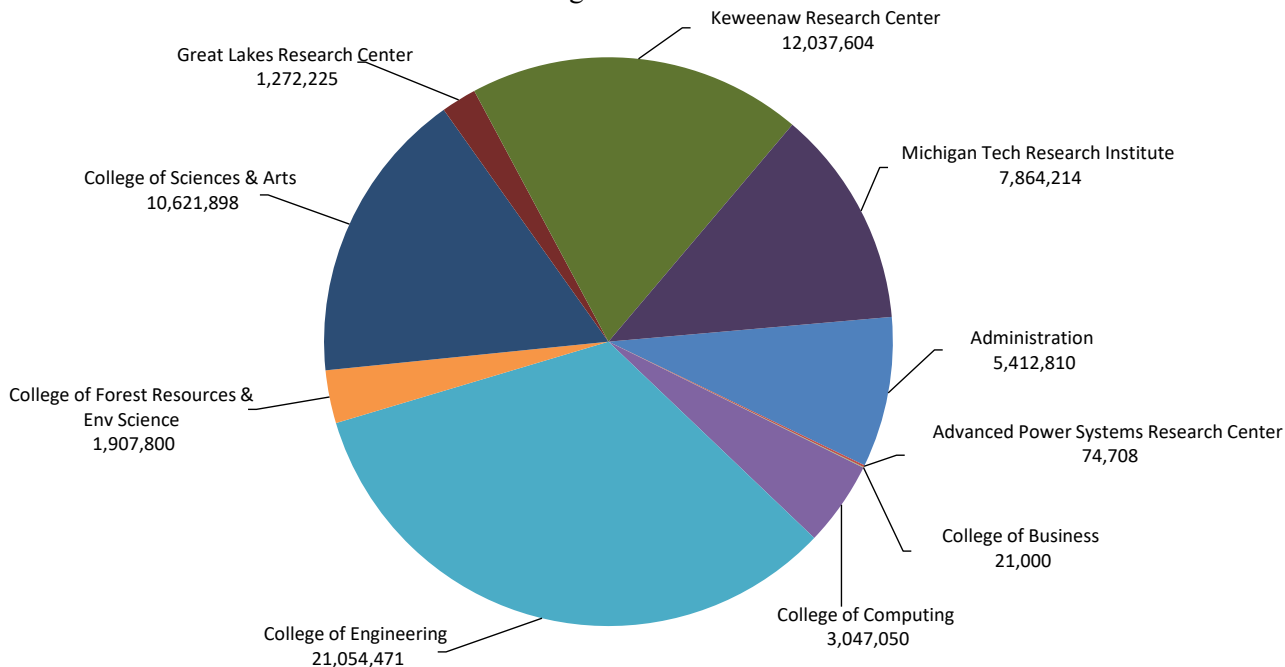
\* National Endowment for the Arts and Humanities, US Dept of Commerce, US Environmental Protection Agency, US Dept of the Interior, US Dept of Homeland Security, US Dept of Labor, US Dept of State, US Small Business, US Dept of Treasury, US Small Business Administration

\*\*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%

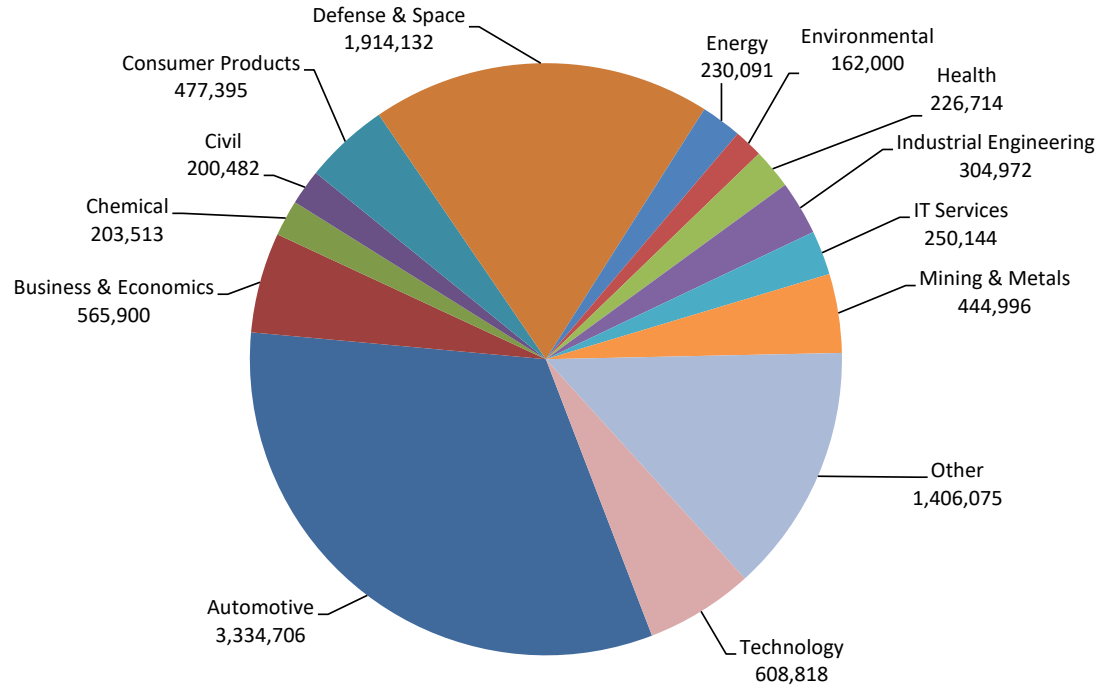
SPO & OIC Metrics <sup>1</sup>	Administration	Advanced Power Systems Research Center	College of Business	College of Computing	College of Engineering	College of Forest Resources & Env Science	College of Sciences & Arts	Great Lakes Research Center	Keweenaw Research Center	Michigan Tech Research Institute	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%
<b>Total \$ by Division</b>	<b>5,412,810</b>	<b>74,708</b>	<b>21,000</b>	<b>3,047,050</b>	<b>21,054,471</b>	<b>1,907,800</b>	<b>10,621,898</b>	<b>1,272,225</b>	<b>12,037,604</b>	<b>7,864,214</b>	<b>63,313,780</b>	<b>53,127,739</b>	<b>19.2%</b>
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 <sup>2</sup>	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 <sup>2</sup>	-	-	-	-	33.00%	-	67.00%	-	-	-	6	5	20.0%
License Agreements	-	-	-	1	5	1	-	-	-	-	7	3	133.3%
Gross Royalties <sup>2</sup>	20.00%	-	-	-	80.00%	-	-	-	-	-	60,475	47,953	26.1%

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

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

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%
<b>Total</b>	<b>136</b>	<b>135</b>	<b>272</b>	<b>253</b>	<b>10,329,938</b>	<b>7,307,328</b>	<b>3,022,610</b>	<b>41.4%</b>

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

<b>College/School/Division</b>	<b>FY2025</b>	<b>FY2024</b>	<b>Variance</b>	<b>%</b>
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%
<b>Total</b>	<b>59,072,673</b>	<b>49,278,267</b>	<b>9,794,406</b>	<b>19.9%</b>

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

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

**IX-C. Advancement & Alumni Relations**

PLACEHOLDER

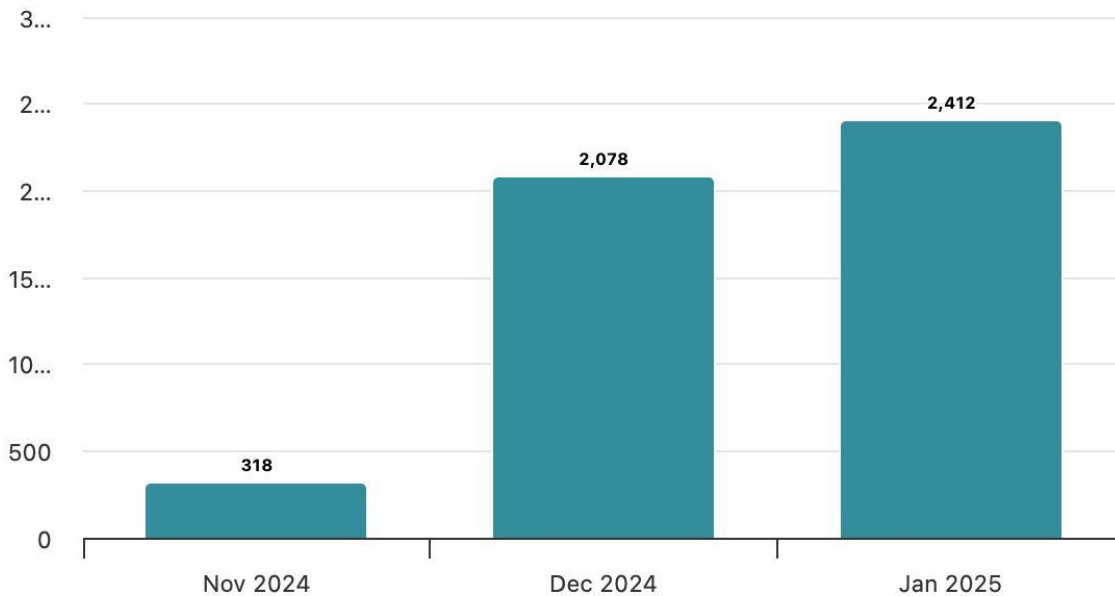
**IX-D. Media Coverage**

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

*Overview*

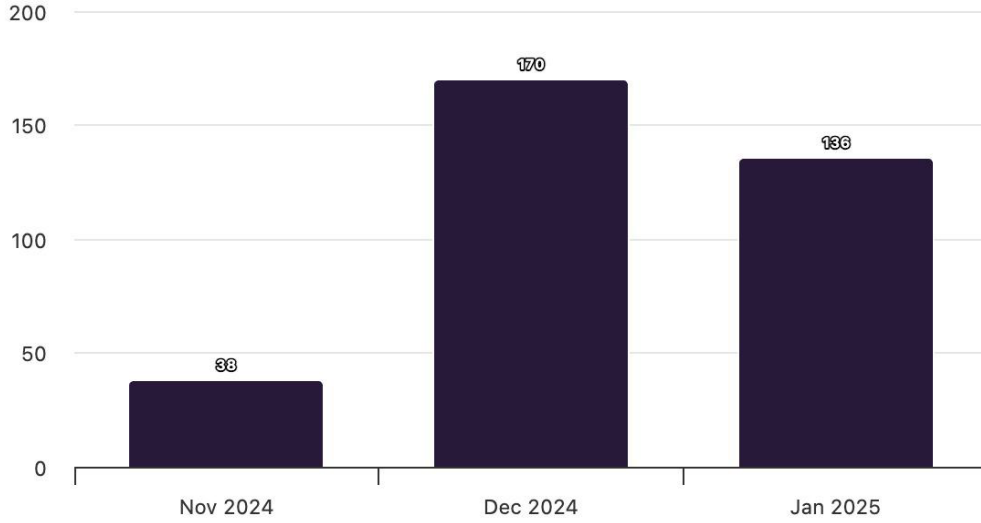

Between Nov. 23, 2024 and Jan. 31, 2025, a total of 4,808 online articles mentioned Michigan Technological University:

**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:

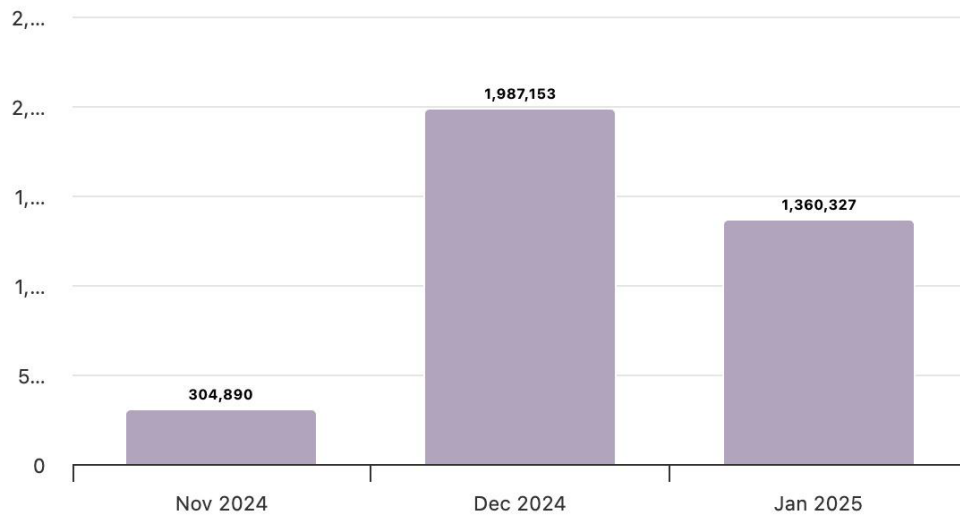
2/21/25 Michigan Tech Board of Trustees Regular Meeting, Media Report - Shares by Journalists



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 <sup>3</sup>	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 <sup>1</sup>	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 <sup>2</sup> (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.

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

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

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

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**

<b>Date</b>	<b>Description</b>	<b>Amount</b>
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
<b>Total</b>		<b>\$ 681.00</b>