



Formal Session of the Board of Trustees
August 3, 2023
9:00 a.m. – 11:00 a.m.
Location: MUB Ballroom B
Public Meeting

- I. Call to Order**
Jeffrey Littmann, Chair

- II. Roll Call**
Sarah Schulte, Secretary

- III. Confirm Agenda**
Jeffrey Littmann, Chair

- IV. Opening Remarks**
 - A. Opening Remarks of the Board Chair**
Jeffrey Littmann, Chair

 - B. Opening Remarks of the University President**
Richard Koubek, President

- V. Public Comment Period**

- VI. Committee Reports**
 - A. Academic Affairs Committee**
John Bacon, Committee Chair

 - B. Audit and Finance Committee**
Andrea Dickson, Committee Chair

 - C. Leadership Committee**
Jon Jipping, Committee Chair

- VII. Consent Agenda**
 - A. Approval of Minutes**

 - B. Degrees in Course**

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

- D. Fundraising Productivity Report**
- E. Michigan Tech Fund Agreement Approval**

VIII. Action and Discussion Items

- A. Employee Recognition**
Rick Koubek, President
- B. Emeritus Rank**
Andrew Storer, Provost and Senior Vice President for Academic Affairs
 - 1. Susan Amato-Henderson, Associate Professor, Cognitive and Learning Sciences
- C. Appointment with Tenure - Athar Ata, Chemistry**
Andrew Storer, Provost and Senior Vice President for Academic Affairs
- D. Appointment with Tenure - Holly Hassel, Humanities**
Andrew Storer, Provost and Senior Vice President for Academic Affairs
- E. Proposal for an Associate of Science Degree in Engineering**
Andrew Storer, Provost and Senior Vice President for Academic Affairs
- F. Proposal for a Bachelor of Science Degree in Data Science**
Andrew Storer, Provost and Senior Vice President for Academic Affairs
- G. Proposal for a Master of Science Degree in Applied Computer Science**
Andrew Storer, Provost and Senior Vice President for Academic Affairs
- H. Revision to Board Policy 11.13 Signing Contracts and Other Legal Documents**
Sarah Schulte, General Counsel & Secretary to the Board of Trustees
- I. Revision to Board Ordinance Chapter 11 - Parking**
Sarah Schulte, General Counsel & Secretary to the Board of Trustees
- J. Resolution to Authorize Negotiations of the Design-Build Agreement**
Julie Seppala, Treasurer
- K. Approval of Bonds**
Julie Seppala, Treasurer
- L. Appointment of Treasurer**
Richard Koubek, President
- M. Presidential Compensation**
Jon Jipping, Leadership Committee Chair

IX. Reports

- A. Faculty Presentation**
Casey Huckins, Interim Department Chair, Biological Sciences
- B. Faculty Presentation**
Molly Cavaleri, Interim Associate Dean & Professor CFRES
- C. Rozsa Presentation**
Mary Jennings, Director, Rozsa Center for the Performing Arts
Jared Anderson, Chair, Visual and Performing Arts
- D. Athletic Accomplishments**
Suzanne Sanregret, Vice President for Athletics and Recreation
- E. Undergraduate Student Government**
Mason Krause, President
- F. Graduate Student Government**
Karlee Westrem, President
- G. University Senate**
Robert Hutchinson, President

X. Informational Items

- A. Proposed 2024 Meeting Dates**
- B. Board of Trustees Policy 8.3 - Board Waiver of Certain Fees**
- C. Analysis of Investments**
- D. Advancement & Alumni Relations**
- E. Media Coverage**
- F. Employee Safety Statistics**
- G. Disposal of Surplus Property**

XI. Other Business

XII. Date for Next Formal Meeting: October 6, 2023

XIII. Adjourn

DOCUMENTS

VII. Consent Agenda

A. Approval of Minutes

B. Degrees in Course



MEMORANDUM

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

From: Theresa Jacques
Registrar's Office

Date: July 7, 2023

Subject: Candidates for Degrees - Conferral Term 202301

The attached list of candidates for degrees, beginning with Giavanna Joy Harris-Guidotti and ending with Meiling Zhou 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/sw

Michigan Technological University

Degrees Awarded for Conferral Term 202301

Michigan Technological University Registrar's Office July 6, 2023

Associate of Arts in Humanities

- Giavanna Joy Harris-Guidotti - Cum Laude
- Jade Emily Graham

Bachelor of Arts in Chemistry

- Andrea Lynn Smith
- Emily Pauline Vincent

Bachelor of Arts in Communication, Culture, and Media

- Matthew Edward Brisson

Bachelor of Arts in English

- Ian Thomas Smith

Bachelor of Arts in History

- Krysta Marie Indish

Bachelor of Arts in Physics

- Nicholas Joseph Folcik - Cum Laude
- Riley John Dickert

Bachelor of Arts in Sound Design

- David Aaron Seals Brown

Bachelor of Arts in Theatre and Electronic Media Performance

- Ahnikah Braeden Bachleitner

Bachelor of Science in Accounting

- Elijah Lawrence McParlan
- Grace E Rajala
- Hillary Rayanne Prout - Summa Cum Laude
- Ivy M Stoller - Summa Cum Laude
- Jacquelyn Anne Olesen
- John Paul Moody - Summa Cum Laude
- Marco Antonio Marquez
- Trent Frederick Magers

Bachelor of Science in Anthropology

- Christian Gerald Charteris - Magna Cum Laude
- Drew Michael Snyder
- Grace M Ojala - Magna Cum Laude
- Nicholas P Hundt

Bachelor of Science in Applied Ecology and Environmental Sciences

- Amanda Rose Marcotte
- August Christian Camp - Summa Cum Laude
- Cassandra Sarah Gabalis
- Cole Garet Hackman
- Edward James Chapman
- Ella Margaret McDonald Stone
- Emily Elizabeth Long
- Jared Alexander Way
- Joseph Alexander Macai
- Katherine Marie McGowen - Cum Laude
- Kathleen Elizabeth Bershing - Magna Cum Laude
- Kayla Jade Douglas
- Madalyn Raye Tudor-Duncan - Magna Cum Laude
- Madeline Marie Stack - Cum Laude
- Melina Breen Hurin - Summa Cum Laude
- Natalie Marie Howard - Summa Cum Laude
- Sierra Lynn Williams **

Bachelor of Science in Applied Geophysics

- Addison Marie Goecker - Cum Laude
- Aidan Patrick Gabriel
- Grace M Ojala - Magna Cum Laude

Bachelor of Science in Applied Physics

- Jason William Flittie - Cum Laude

Bachelor of Science in Audio Production and Technology

- Isabella Lynn Capanda
- Mason Tyler Waldrip

Bachelor of Science in Biochemistry and Molecular Biology

- Christian Toivo Holmstrom - Cum Laude
- Connor James Hall - Summa Cum Laude
- Dylan Daniel Norris - Magna Cum Laude
- Ellianna Sadie Sempek - Summa Cum Laude
- Jillian Lee Kuizenga - Cum Laude
- Madylin Olivia Sherman - Cum Laude
- Megan Elizabeth Guyer - Summa Cum Laude
- Mykenzie K Monkevich
- Nathan Randal Ostlund - Summa Cum Laude
- Samantha Ruth Siefert - Cum Laude

Bachelor of Science in Biological Sciences

- Alyssa Gabrielle Sarlund
- Morgan Marie Radtke - Summa Cum Laude
- Shane Cummings Astrike - Magna Cum Laude

Bachelor of Science in Biomedical Engineering

- Abby Louise Bretzke - Magna Cum Laude
- Abigail Marie Yott
- Ailie A Schoenborn - Summa Cum Laude
- Alayna Kirsten Starll
- Alexander T Carlson - Cum Laude
- Ali Dabas - Cum Laude
- Benjamin David Agnello
- Benjamin P Johns
- Cameron-Jacob Jason Karnosky
- Carter Michael Schluentz
- Cassandra Sue Bonifas - Cum Laude
- Cheyenne Lauren Scott
- Cody P Tuftee
- Cole Joseph Hebert - Cum Laude
- Elizabeth Patrice Xin Kaechele
- Erik Jacob Halvorsen
- Etienne Benjamin Michels - Summa Cum Laude
- Frances Gail Taylor
- Giovanni Jessie Diaz
- Isabella Therese Kanasty - Cum Laude
- Jacob Jackson - Cum Laude
- Jaela Renee Norkoli - Summa Cum Laude
- Jennifer Lynne Wilson
- Jonathan T Hong
- Jordan E Zais - Magna Cum Laude
- Josette Michelle Stalmack - Summa Cum Laude
- Julia Elizabeth Paulos - Summa Cum Laude
- Katherine L Schnabel
- Kathleen Terese Pakenas - Magna Cum Laude
- Kelsey Ann Moyer - Magna Cum Laude
- Kelsey Shannon Harvath - Cum Laude
- Lindsey Ann Thelen - Summa Cum Laude
- Lukas Matthias Stegmuller
- Lydia Mary Moylan - Magna Cum Laude
- Mackenzie Glen Garrison
- Madelene Lou Johnson

- Madeline English
- Marli Ann Hietala
- Nicholas Raymond Niemi - Magna Cum Laude
- Robert Dwyer - Magna Cum Laude
- Sadat Yang
- Savannah Christian Page - Summa Cum Laude
- Sidney Elaine Monger
- Trevor Eric Dunlap
- William Bruce Hagelthorn
- William John Poster
- William John-Thomas Reehl
- Zachary David Vatter - Cum Laude
- Zakary Caelan Zazula - Cum Laude

Bachelor of Science in Chemical Engineering

- Alayna Cassidy Cronan - Cum Laude
- Alec I Wong
- Amelia Lyn Kramer - Magna Cum Laude
- Andrew David Ward - Summa Cum Laude
- Andrew James Menard
- Andrew Paul Melichar - Cum Laude
- Axel W Valeri - Cum Laude
- Benjamin Douglas Reynolds
- Bo Chunyang Jacques
- Breanna Marie Appleton - Cum Laude
- Brooke Elizabeth Bates
- Caleb J Diekema - Summa Cum Laude
- Caleb Nicholas Marianos
- Casey Douglas Fortman - Cum Laude
- Cassidy J Grobbel - Magna Cum Laude
- Christopher Kirschke
- Christopher Patrick Taylor
- Colin Donajkowski - Summa Cum Laude
- Dana Hailey Seiler - Summa Cum Laude
- Emerson Wayne Ross
- Gabrielle Emmalina Ogden
- Genel S Homister
- George Richard Mikota
- Grace Elizabeth James - Magna Cum Laude
- Hannah Hawken Quinn - Cum Laude
- Hannah Peterson
- James Franklin Staley
- Jonah Robert Essig

- Jonathan Gary Sturm
- Jordan Ray Thomas Rathke
- Josephine Grace Edick - Magna Cum Laude
- Joshua Stephen Paling
- Josiah Lee Diekema - Magna Cum Laude
- Julia G Becker - Magna Cum Laude
- Justin Dimitri Liakos
- Justin Todd Popelka - Cum Laude
- Kade William Wirth - Summa Cum Laude
- Katherine Ann Smith - Magna Cum Laude
- Kinley Aurora Lyons - Magna Cum Laude
- Kyle James Hooper - Magna Cum Laude
- Lauren Marie Erdman
- Lauren Schae Opalewski - Magna Cum Laude
- Lauryn Florence Elsholz
- Leanne Sue Daanen
- Lillian Louise Bradley - Cum Laude
- Lina Paola Espejo Ramirez - Magna Cum Laude
- Lydia Anne Jackels - Summa Cum Laude
- Malachi Corban Schauer
- Mark Alan Bailey
- Maxwell Walter Brow
- Michael James Durbin - Magna Cum Laude
- Nash Robert Smith
- Nathan Edward Summers - Cum Laude
- Neil Gupta
- Nicholas Danielson - Cum Laude
- Nicholas Ian Scott
- Nicholas John Schiavo
- Nicholas Joseph Bussey - Magna Cum Laude
- Nicholas Ronald Henderson - Cum Laude
- Noel Paige Barwick - Summa Cum Laude
- Olivia Alice Netzler
- Olivia Tambellini Umlor - Magna Cum Laude
- Pablo Antonio Lozano - Cum Laude
- Quincy Jean Bowlin Markee - Magna Cum Laude
- Ramsey Orion Forton
- Riley Thompson Smith - Summa Cum Laude
- Ryan Curtis Downs - Cum Laude
- Sadia Begum
- Samuel Kinne - Magna Cum Laude
- Sarah Irene Prough

- Sheridan E Waldack - Magna Cum Laude
- Steven J Markert - Magna Cum Laude
- Tad M Mohr
- Tailyn Klepsa-Orrey
- Timothy Jay Stachowski
- William John Phillips
- Zachary S Geiger - Magna Cum Laude

Bachelor of Science in Chemistry

- Walter Reynolds White

Bachelor of Science in Civil Engineering

- Aleah Noelle Hummel - Summa Cum Laude
- Alexander Carl Coulter - Magna Cum Laude
- Andrew James Clarey - Cum Laude
- Andrew Nicholas Eaton
- Bradley Steven Getlinger - Cum Laude
- Brennan James Pike
- Brian Matthew Goldberg
- Colin Walker Vander Beek
- Connor Scott Dykehouse - Cum Laude
- Emily J Bergstrom
- Emma Kay Meitler - Magna Cum Laude
- Eric James Ottevaere - Cum Laude
- Evan James Geronimi
- Henry Paul Campbell - Summa Cum Laude
- Isaac Yatling Fong - Magna Cum Laude
- Jacob Ryan Cleaver - Summa Cum Laude
- Jacob Wayne VanDrie
- John Luther Upham
- Jonathan Michael Maag
- Joseph Francis Roell - Summa Cum Laude
- Joshua James Plante - Magna Cum Laude
- Katie Patricia McInnis - Cum Laude
- Keira Blythe Houston
- Kenneth Craig Marx
- Kevin Matthew Wengrzyn - Magna Cum Laude
- Lance Elliott Hoezee
- Liam Howard Johnson - Cum Laude
- Megan Ashley Brinker - Cum Laude
- Morgan L Coolidge
- Nathaniel Robert Goodman - Cum Laude
- Noah Wesley Koball
- Robert Edgar Lee Davies

- Sam Frank Gordon - Magna Cum Laude
- Samuel Dane Hoekwater
- Simon Joseph Peter
- Spencer Robert Archer - Magna Cum Laude
- Sydney Alexandria Bryant
- Thomas Matthew Pastell - Summa Cum Laude
- Zachary George Deur - Magna Cum Laude
- Zachary Taylor Collin - Cum Laude

Bachelor of Science in Computational Chemistry and Chemical Informatics

- Audrey Elizabeth LaCost - Summa Cum Laude

Bachelor of Science in Computer Engineering

- Alexander Heinrich Stockman - Magna Cum Laude
- Andrew James Lewis - Cum Laude
- Anthony Charles Viola
- Arvind Kalyana
- Benjamin Joseph Stier - Summa Cum Laude
- Berj Alexan Vartanian
- Cody Thomas Hubbard
- Daniel J Curtiss - Magna Cum Laude
- Dominika Bobik - Summa Cum Laude
- Gabriel S Oetjens
- Ian Michael Huff - Cum Laude
- Jacob Isacc Smith
- Jake Edward Muller - Summa Cum Laude
- James Christopher Brouckman - Magna Cum Laude
- Jason Scott Ackerman - Summa Cum Laude
- Jerod W Busch
- Kevin Mitchell Fogg - Cum Laude
- Lucas Nathaniel DeVol
- Mark Maxwell Reisterer
- Matthew Carl Kouba - Cum Laude
- Nico Giovanni Toppi
- Noah M Reinke
- Peter Amat - Magna Cum Laude
- Rachel M Poppe
- Reed Aaron Brinton
- Ruizhi Ma
- Ryan Benjamin Briggs
- Seth D Wood - Cum Laude
- Spencer Eugene Crawford - Summa Cum Laude
- Spencer Richard Novaco

- Stephen Vincent Gillman - Summa Cum Laude
- Tyler James Birnie

Bachelor of Science in Computer Network and System Administration

- Ethan James Frenza
- Justin Blaise Sulak - Summa Cum Laude
- Ryan Kern
- Ryan P Martell

Bachelor of Science in Computer Science

- Andrew Frey - Cum Laude
- Andrew Gregory Ciminski - Magna Cum Laude
- Anna Grace VanNiejehuis - Cum Laude
- Austin Daniel Sopha
- Austin Robert Keene - Cum Laude
- Cale Ryan McDonnell - Magna Cum Laude
- Case Andrew Brophy - Cum Laude
- Claire Anne Nicholas - Summa Cum Laude
- Colin Van Delden - Cum Laude
- Colin A Dohne
- Connor Ryan Cater - Cum Laude
- Cooper D Tyson - Magna Cum Laude
- Dane Rexford Dingman
- Daniel Thomas Masker - Magna Cum Laude
- David Eugene Hochstetler
- Eric Nicholas Goulet - Summa Cum Laude
- Erik van der Grijn
- Ethan M Ankley
- Eva Marie Muller - Cum Laude
- Foenix Aria Szot
- Jack R Grant
- Jeremiah Thomas Kollodge
- Jerry Lee Jones
- Jonathan Andrew Rabideau - Summa Cum Laude
- Joseph Roy Teahen - Summa Cum Laude
- Joshua Thomas Overbeek - Summa Cum Laude
- Justin Lamar Milliman
- Kenzie Baker - Cum Laude
- Matthew James Laitinen
- Maxwell John Jorgensen - Cum Laude
- Michael Alixander Romero
- Michael Edward Zitta
- Michael Robert Kulas

- Mya Kristine Davis - Magna Cum Laude
- Nathan Roman Wolf - Summa Cum Laude
- Noah Alexander Riske
- Nolan Avery Manor - Cum Laude
- Ryo Nishihira
- Wesley Robert Condie
- William Herbert Holland
- Xiaojie Chen - Magna Cum Laude
- Yaritza J Miramon - Cum Laude

Bachelor of Science in Construction Management

- Connor James Rammler
- Kira Loree Olson - Summa Cum Laude
- Steele Douglas Fortress
- William Daniel Barnhart - Magna Cum Laude

Bachelor of Science in Cybersecurity

- Andrew Paul Martin - Magna Cum Laude
- Christopher Yang Liberman - Cum Laude
- Connor David Langdon
- Jacob Michael Ludwig
- Jason Thomas Joseph - Magna Cum Laude
- Kirk James MacQuarrie-Klender - Cum Laude
- Matthew Jeffrey - Magna Cum Laude
- Nicholas Austin Bergstrom

Bachelor of Science in Ecology and Evolutionary Biology

- Brian Clancy Reeves
- Caleigh Elizabeth Meehan - Magna Cum Laude
- Danny Alexander Looman - Summa Cum Laude
- Madeline Rose Webb
- Tessa Lee Tormoen - Summa Cum Laude

Bachelor of Science in Electrical Engineering

- Aaron Michael Hogue - Summa Cum Laude
- Adam Charles Klusman - Cum Laude
- Alec Jacob Amundson
- Andrew Rolf Tiedt
- Andrew Ross Martin
- Andrew Steven Mitteer
- Austin Hilliker - Summa Cum Laude
- Austin Lawrence Mullins
- Austin Vincent Nguyen
- Bayron G Lobo-Paz
- Benjamin Alphonse Twohy - Cum Laude

- Brenda Maria Wilson - Cum Laude
- Brendan Lawrence Osentoski
- Carl Slezak - Magna Cum Laude
- Carter Lee Spoutz
- Cayton Chad Scholz - Summa Cum Laude
- Cole Christopher Abel
- Drew Alexander Griffin
- Dylan Jeffrey Kangas
- Dylon Fewins - Cum Laude
- Elizabeth Hattie Donoghue
- Erik A VanHorn
- Ethan Amos Mattila
- Evan Lawrence Melucci - Summa Cum Laude
- Gabriel J Greiling
- Grace Anne Novotny
- Hanan Alattar - Summa Cum Laude
- Hayden Andrew Augustyniak - Magna Cum Laude
- Jack Thomas Kalkman
- Johannes Daniel Strueber
- Joshua Joseph Cribben - Magna Cum Laude
- Joshua Xinyuan Juras
- Justin Paul Norkol
- Luke D Purchase - Magna Cum Laude
- Luke Sullivan Haskin
- Makayla Rose Miller - Magna Cum Laude
- Matthew Edward Niemi - Cum Laude
- Matthew Joseph Carey - Magna Cum Laude
- Mykenzie Rae Brown
- Natalie Brooke Hodge - Summa Cum Laude
- Nicholas Patrick Jones - Cum Laude
- Olivia Ann Zinser - Magna Cum Laude
- Ryan Jacob Peckham - Cum Laude
- Sophia Christine Kraus
- Trent A Seorum
- Tyler Alan Fayta - Summa Cum Laude
- William David Stier - Cum Laude

Bachelor of Science in Electrical Engineering Technology

- Austin T Sharkey
- Jared Deloss Rathburn - Cum Laude

Bachelor of Science in Engineering

- Anikin Luke Anderson

- Paige Nicole Kachmarsky

Bachelor of Science in Engineering Management

- Andrew Jonathan Kleehammer - Magna Cum Laude
- Henriette Saeterdal Semb - Summa Cum Laude
- Liam James McDonough
- Mitchell Glenn Watters
- William Ronald Kordenbrock

Bachelor of Science in Environmental Engineering

- Anabel Mae Needham - Summa Cum Laude
- Andrew Joseph Ellstrom - Magna Cum Laude
- Avery Margaret Cassel - Magna Cum Laude
- Braeden James Mervin Beutz
- Brian Matthew Goldberg
- Casey A Lambert
- Drew Douglas Yesmunt - Cum Laude
- Emma Anne Doyal - Magna Cum Laude
- Joshua Stephen King
- Kendra Theresa Lachcik - Magna Cum Laude
- Laura A Bauman
- Lily Angele Ahlstrom - Magna Cum Laude
- Luke Robert Cook
- Megan Nicole Lee - Summa Cum Laude
- Michael Patrick Bersin
- Molly Greene
- Rachael Helena Ritter
- Rachel M Anguish - Magna Cum Laude
- Riley Daniel Goerge - Magna Cum Laude
- Theresa Kay Meyer - Magna Cum Laude
- Victoria Anne Bushard - Cum Laude

Bachelor of Science in Exercise Science

- Armando James Motz - Summa Cum Laude
- Blake Martin Hewitt
- Brendan P Kaski - Magna Cum Laude
- Connor Walch *
- Gracie Anna VanLangevelde - Summa Cum Laude
- Jessica Morgan Lacy - Cum Laude
- Kaitlyn Marie Brady - Summa Cum Laude
- Karina Renee Madigan - Summa Cum Laude
- Mariah Lee Willmer - Magna Cum Laude
- Maxwell Donald Marion - Magna Cum Laude

Bachelor of Science in Finance

- Adam R Witkowski - Summa Cum Laude
- Bill Joseph Rautiola - Cum Laude
- Jaharee C Weah
- Keegan Michael Erva
- Logan Randy Ganie
- Nicholas Lawrence Kaufman

Bachelor of Science in Forestry

- Alex John Pera - Cum Laude
- Alexander James King - Cum Laude
- Anna Elaine Pike
- Anthony Ciaramitaro - Magna Cum Laude
- Bryce Thomas Neff - Cum Laude
- Chassadee Winters
- Collin Paul Whitsett - Magna Cum Laude
- Joshua William Brouwer
- Kaleb Timothy Dorweiler
- Kearstin Nicole Backes - Cum Laude
- Luke Michael Ferzacca
- Maruta Liesma Sipols - Magna Cum Laude
- Meagan E Quandt - Cum Laude
- Nicholas Dickinson Blundy
- Tucker Samuel Wittkopf - Cum Laude

Bachelor of Science in Geological Engineering

- Jared Michael Searl
- Kolby Matthew Carpenter
- Meghan Marie Schultz
- Michael Charles Carley
- Peter Charles Klein

Bachelor of Science in Geology

- Quin Alexander Doud

Bachelor of Science in Geospatial Engineering

- Joslynn Marie Brown - Magna Cum Laude

Bachelor of Science in Human Biology

- Aaron Bryce MacLeod - Magna Cum Laude
- Erin Veronica Bennett
- Jordyn Anna Jones - Magna Cum Laude
- Katelyn D Meister - Magna Cum Laude
- Mackenzie Lefevre Fox - Summa Cum Laude
- Mary T Schloss - Summa Cum Laude
- Nathan Edward Balok - Magna Cum Laude
- Reagan Lynn Swartz

- Zachary David Vatter - Cum Laude

Bachelor of Science in Management

- Anderson John Piercey - Cum Laude
- Benjamin Zane Leinonen - Summa Cum Laude
- Bianca Michelle Schuck
- Caleb Michael Glenn
- Christopher Michael Maxson
- Elijah Raphael Soumis
- Joshua Darwin Kulik - Magna Cum Laude
- Mark Robert Vehslage - Magna Cum Laude
- Nicholas A Pace - Cum Laude
- Nicholas Logan Stankovich - Magna Cum Laude
- Tristan A Ashbrook

Bachelor of Science in Management Information Systems

- Cedric Thomas Keller - Summa Cum Laude
- Christian Alexander Worley
- Kevin Gary White
- Michael Christopher Llamas - Cum Laude
- Taylor Renee Johnston
- Trent Arnold Peterson

Bachelor of Science in Marketing

- Calli Helen Daavettila
- Christopher Daniel Woods
- Dylan Patrick Boberg
- Emily Susan Kughn - Magna Cum Laude
- Mostyn N McKeage
- Ryan Hathaway Stafford
- Zachary Steven King

Bachelor of Science in Materials Science and Engineering

- Andrew Robert Walch
- Augustus Robert Quigley
- Caleb Michael Minasian
- Chien-Yi Chang - Cum Laude
- Daniel Patrick Griffin - Cum Laude
- Drew Devon Kolodge
- Evan Edward Stafford
- Henry Dean Summers - Cum Laude
- Joseph Francesco Tomei
- Katherine A Jarvis - Cum Laude
- Liam David McLeod

- Michael Hagan Kilmer - Magna Cum Laude
- Mieka Rachelle Clark - Summa Cum Laude
- Ryan Joseph Cesario - Magna Cum Laude
- Samuel Ashton Vellequette - Magna Cum Laude
- Samuel Wyatt McGinnis
- Sophia Georgia Brylinski - Summa Cum Laude

Bachelor of Science in Mathematics

- Kaitlyn Danielle Morgenstern - Cum Laude
- Lilly Ann Bolliger - Magna Cum Laude
- Myles Carey
- Nathaniel Joseph Banos - Cum Laude

Bachelor of Science in Mathematics and Computer Science

- Damion Allen Miller - Summa Cum Laude
- Lily S Kosaka - Summa Cum Laude

Bachelor of Science in Mechanical Engineering

- Abby Sue Woodford - Magna Cum Laude
- Adam David Doroff
- Adam Jacob Tutak - Magna Cum Laude
- Adam Richard Glasser - Magna Cum Laude
- Adam Theodoore Zyrowski - Cum Laude
- Alec W Pominville - Summa Cum Laude
- Alexander David Thelen - Cum Laude
- Alexander Gene Tietsort
- Alexander Vincent Wochna - Magna Cum Laude
- Amanda Lauren Lepak - Cum Laude
- Andrew Theisen Ervin
- Apurva Neva Manas - Cum Laude
- Benjamin Houck - Magna Cum Laude
- Benjamin David Cortichiato
- Bhavya Aggarwal
- Blake James Soper
- Bode M Salmeto
- Brandon Wavrunek - Summa Cum Laude
- Brendan S Tenkel
- Brenden Jason Lindgren - Cum Laude
- Brian Isaac Geiger - Summa Cum Laude
- Cade Robert Meyer - Magna Cum Laude
- Caitlin Jessica Allread
- Cameron J Pikaart - Magna Cum Laude
- Carter Andrew Maxey
- Charles Andrew Hazel - Summa Cum Laude

- Cole Emerson Sturm
- Collin Kroes Pickerd
- Connar Carl Christensen - Summa Cum Laude
- Cynthia Marie Wurtz
- Dane Alexander Marvin - Cum Laude
- Daniel Curry
- Dante Lazarro Cardinali
- David Ernest Klein - Cum Laude
- David Lawrence Hoffman - Cum Laude
- David Scott Hall - Cum Laude
- Delaney Tea' Compeau - Magna Cum Laude
- Derek Thomas Thompson
- Dusten Eugene Gonzalez - Cum Laude
- Eleri Rhiannon Giem - Magna Cum Laude
- Emilio Luis Zapata
- Emma Jane Eke
- Emma Kathryn King - Magna Cum Laude
- Emmett Michael Boehler
- Eric August Smith - Magna Cum Laude
- Eric N Gencheff - Cum Laude
- Erik Alexander Vogel - Magna Cum Laude
- Erik Nicholas Jensen - Magna Cum Laude
- Ethan Dale McKenzie - Cum Laude
- Ethan Joseph John Potinsky - Cum Laude
- Ethan Matthew Smythe - Magna Cum Laude
- Ethan William Gutzeit - Magna Cum Laude
- Evan Donald Drow - Magna Cum Laude
- Evan Michael Vandermate
- Evan Thomas Wingerter
- Frank Nicholas Bruck
- Frederick A Poddig
- Galia Miskevich
- Gavin Patrick McBride - Cum Laude
- Gavin William Sheffer
- George Richard Darbyshire - Summa Cum Laude
- Giovanni Van Dyke
- Grant Rinehart Fiet - Summa Cum Laude
- Griffin Douglas Abbott - Cum Laude
- Hunter James Bondy - Summa Cum Laude
- Hunter Patrick Jandreski
- Hunter Scott McGuire - Magna Cum Laude
- Jack David Christenson

- Jacob Alexander Weide - Magna Cum Laude
- Jacob Christopher Smith
- Jacob Daniel Pilon - Magna Cum Laude
- Jacob Henry Holwerda
- Jacob Joshua Chizek
- Jacob Tyler Loudermilk
- Jacob Wilkerson **
- Jaela Renee Norkoli - Summa Cum Laude
- Jake Connor Hosey
- Jake Conrad Everts - Magna Cum Laude
- James Henry Duer - Magna Cum Laude
- James Richard Behrens - Magna Cum Laude
- Jared Anthony Thelen - Magna Cum Laude
- Jarett Jon Gundersen
- Jessica DiMartino
- John Pluta - Cum Laude
- John M Mawby - Magna Cum Laude
- Joseph William Remschak
- Julia Haley Westfall
- JunYu Qian - Summa Cum Laude
- Justin Michael White - Cum Laude
- Kaleb Kleinowski
- Kamila Julia Staniszewski - Cum Laude
- Kate Elizabeth Bridges
- Katelyn Feldpausch - Cum Laude
- Kjjia Jaiden Moore
- Kurtis Gordon Kytta
- Kurtis Stephen Shiverski - Summa Cum Laude
- Kyle Samluk - Magna Cum Laude
- Kyle Benjamin Watkins
- Kyle David Thelen
- Kyle Duane Hintz - Magna Cum Laude
- Kyle N Mayer - Magna Cum Laude
- Kyle Robert Monroe
- Kyrie Rain Le Mahieu - Summa Cum Laude
- Leah Elizabeth Smith
- Leander Richard Daavettila - Magna Cum Laude
- Luke Andrew Bischer
- Luke Lee Gustafson
- Madelyn Grace VanWieren - Summa Cum Laude
- Madison Michelle Thompson
- Margaret Elizabeth Dickrell

- Mary Jean Schafer
- Mason Wesley Kennedy - Summa Cum Laude
- Matthew Douglas Knowles
- Matthew Joseph Carey - Magna Cum Laude
- Matthew Paul Borgen - Cum Laude
- Matthew Thomas Sheeran
- Maxwell K DeYoung
- Megan K Mahoney - Magna Cum Laude
- Michael James Balentine
- Mitchell Dennis VanOeffelen
- Nathan Johnson Miller - Magna Cum Laude
- Nathan Michael Learman - Magna Cum Laude
- Niccolo Jeanetta-Wark - Cum Laude
- Nicholas Alexander Reynolds
- Nicholas James Kasper
- Nicholas Ray Foote - Magna Cum Laude
- Nicolas Anthony Consiglio
- Noah Baliat - Summa Cum Laude
- Nolan L Davis
- Nolan Michael Ruble - Magna Cum Laude
- Nolan Robert Pickett - Summa Cum Laude
- Olivia Anne Wery
- Parker D Stahl
- Parker James Luce - Cum Laude
- Paul Francis Kovacic
- Rachel A Falls - Cum Laude
- Robert Glenn Eakright
- Robert James Voss
- Robert L Oestreich - Cum Laude
- Rocco Eric Hutter - Magna Cum Laude
- Russell John Daavettila
- Russell T Albee
- Ryan A Westphal
- Ryan Daniel Mahoney
- Ryan Richard Frost - Summa Cum Laude
- Samuel Ashton Vellequette - Magna Cum Laude
- Samuel Charles Jager - Summa Cum Laude
- Sean C Munro - Summa Cum Laude
- Seth Melford Olson
- Spencer A Musiol - Magna Cum Laude
- Stanley Joseph Elder - Summa Cum Laude
- Steffanie Marie Niemi

- Steven Eric Turnbull - Summa Cum Laude
- Tanner Mason Duncan
- Taryn Curtis - Magna Cum Laude
- Theo Ralph Kumpula
- Thomas David Bolitho
- Thomas David Fleming - Magna Cum Laude
- Thomas Riley Draper - Magna Cum Laude
- Timothy Lee Kramer
- Trevor Michael Maizland
- Troy G Gietek - Magna Cum Laude
- Tyler Jarrett Radavich
- Tyler Jay Brown
- Tyler Roger Robarge - Magna Cum Laude
- William Jenness - Cum Laude
- William Cal McNabb - Summa Cum Laude
- William Read Hartz
- William Ronald Rivet
- William Taylor Galvin - Magna Cum Laude
- Zachary J Smith - Cum Laude
- Zarvan C Chinoy

Bachelor of Science in Mechanical Engineering Technology

- Anthony Joseph Wacek
- Brendon Lakenen - Cum Laude
- Collin Hewitt Remilong
- Eli Francis Goethel
- Hunter Gavin Wilke - Summa Cum Laude
- Jacob Alexander Welch
- John Craig Mayer
- John Craig Waller
- Jonathan Israel Ramos
- Luke Richard Petersen
- Mason Thomas Petersen - Summa Cum Laude
- Matthew David Gagnon
- Matthew Mark Vongphachanh

Bachelor of Science in Medical Laboratory Science

- Alexander W Holmes-Serrano
- Emma Berends - Magna Cum Laude *
- Grace Elizabeth Gonzalez - Magna Cum Laude
- Hallie R Stirmel - Magna Cum Laude
- Jade Emily Graham
- Kaisa Kristine Nagel

- Kayln Anderson *
- Madyson Renee Burton
- Rebecca Lowney *
- Sophia I Bancker - Magna Cum Laude

Bachelor of Science in Mining Engineering

- Clayton Henry Donajkowski - Summa Cum Laude
- Cole Taylor Anderson
- Jacob William Maxon - Summa Cum Laude

Bachelor of Science in Natural Resources Management

- Jordan Linn Zych - Cum Laude

Bachelor of Science in Pharmaceutical Chemistry

- Maria Christina Walczyk - Magna Cum Laude

Bachelor of Science in Physics

- Alexander Antonio Gonzalez
- Benjamin J Sloma
- Sidney Alexander Ogilvie - Cum Laude

Bachelor of Science in Psychology

- Abby Renee Morley - Cum Laude
- Cathryn Michelle Weirick - Magna Cum Laude
- Erin Louise Brooks - Cum Laude
- Kallie Brianne Weecks - Magna Cum Laude
- Kathleen Victoria Moore
- Keighley Jo Blindauer - Cum Laude
- Samantha Rose Walker - Magna Cum Laude

Bachelor of Science in Robotics Engineering

- Andrew Wayne Freel - Summa Cum Laude
- Emily Rachel Ladensack - Cum Laude

Bachelor of Science in Scientific and Technical Communication

- Colton Kurt Sitts
- Julia Margaret Powers - Cum Laude
- Rachel Elizabeth Dick - Cum Laude

Bachelor of Science in Social Sciences

- Cheyenne Lauren Scott
- Robert E. Lee Hazen

Bachelor of Science in Software Engineering

- Abigail Jane Myers - Summa Cum Laude
- Ame Ruoxi Tian - Cum Laude
- Colin Christopher Knudsen
- Jack Dale Hayes
- Joshua Calvin Reynolds

- Miguel Chiolino Gonzalez - Cum Laude
- Patrick Edward Seidel
- Patrick Kevin Philbin - Cum Laude
- Quentin Christian Ross - Cum Laude
- Thomas Edward Carey
- Tyler Shawn Budd
- Zane Alexander Smalley - Summa Cum Laude

Bachelor of Science in Sports and Fitness Management

- Brandon Joesph Michalak - Magna Cum Laude
- Cody Steven Tarnowski

Bachelor of Science in Statistics

- Jacob W Behler
- Joseph William Crow Mallonee - Summa Cum Laude
- Jun Wang
- Kristoffer Adrian Larsen - Summa Cum Laude
- Lila M Johnson - Summa Cum Laude
- Maxwell Douglas James - Cum Laude

Bachelor of Science in Sustainability Science and Society

- Abigail Marie Pettit
- Anne Marie Greub - Summa Cum Laude
- Isabelle Marie Cervantes
- Isadora Luna Mitchell
- Kaitlyn Rose Black
- Samantha Michelle Borzick - Cum Laude
- Savannah Grace Obert-Pfeiffer - Cum Laude
- Thomas Joseph Vermeesch

Bachelor of Science in Sustainable Bioproducts

- Abigail Leigh Herndon - Cum Laude

Bachelor of Science in Theatre and Entertainment Technology

- Gerardo Villanueva
- Madison Leigh Wentela - Magna Cum Laude

Bachelor of Science in Wildlife Ecology and Conservation

- America M Parker
- Carly Marie Zielinski
- Chance Adam Spencer
- Erin Renee Mauk - Summa Cum Laude
- Jacob Brenke
- Jakob J Maynard
- James Tobias Boudreau - Summa Cum Laude

- Katherine Ann Krautkramer - Summa Cum Laude
- Ottilea Eva Nelson Brueshaber - Summa Cum Laude
- Sarah Elisabeth Arnold - Cum Laude
- Sarah Menzl

Bachelor of Science in Wildlife Ecology and Management

- Colin John Daniels

Doctor of Philosophy in Atmospheric Sciences

- Xing Zhou

Doctor of Philosophy in Biological Sciences

- Laura Grace Schaerer

Doctor of Philosophy in Chemical Engineering

- Tinuade Ololade Folayan

Doctor of Philosophy in Chemistry

- Nastaran Khademimoshgenani
- Sodiq Odewale Waheed

Doctor of Philosophy in Computer Engineering

- Ranit Karmakar

Doctor of Philosophy in Computer Science

- Jaclyn Anne Barnes

Doctor of Philosophy in Electrical Engineering

- Zachary Douglas Jeffries

Doctor of Philosophy in Engineering - Computational Science and Engineering

- Dharmendra Prasad Pant

Doctor of Philosophy in Forest Science

- Robert Paul Tunison

Doctor of Philosophy in Geological Engineering

- Vishnu Chakrapani Lekha

Doctor of Philosophy in Integrative Physiology

- Isaac John Wedig
- Jessica Rae Bruning

Doctor of Philosophy in Materials Science and Engineering

- Wei Zhang

Doctor of Philosophy in Mathematical Sciences

- Jacob James Blazejewski

Doctor of Philosophy in Mechanical Engineering - Engineering Mechanics

- Frederic Fabrice Jacquelin
- Jiachen Zhai

- Menghan Zhao
- Sadaf Batool
- Sunit Girdhar

Doctor of Philosophy in Rhetoric, Theory and Culture

- John Lee Velat

Doctor of Philosophy in Statistics

- Xing Ling
- Xuewei Cao

Master of Business Administr. in Business Administration

- Alexandria Rondorf
- Brooke Leigh Schauer
- Clayton Michael Sayen
- Daniel Nicolas Garcia
- Ellie Mackay
- Erik C Puskala
- Jafet Pinto Reveggino
- Jake Davison Abbott
- Joseph Robert Decker
- Justin Daniel Novotny
- Justin Reed Moyle
- Kendal Jean Kroes
- Margaret Mary Petersen
- Matthew Cantrell Hays
- Matthew Eerdmans
- Maxwell Jerome Woodward
- Talos Zambrano
- Zachary Noah Darkowski

Master of Engineering Mgmt in Engineering Management

- Anastasia Quinn Motta
- Carter Nelson Johnston
- Frederick Franklin Carl
- Mehdi Torbat Esfahani
- Michael Seth Johnson
- Sloane Lauryn Zenner

Master of Forestry in Forestry

- Chase Evan Fallu

Master of Geographic Info Sci in Geographic Information Science

- Joash Pfeiffelman
- Lukasz Maria Spiewla

- Mark David Heinonen
- Olivia A Czajka
- Preetham Sai Avinash Naidu Sammeta
- Sierra Lynn Williams
- Vikranth Kumar Madeppa Kalappa Doddamani

Master of Science in Accounting

- Charles Vincent Weiss
- Elisabeth Marie Mattson
- Xinyu Wang

Master of Science in Applied Cognitive Science and Human Factors

- Dana Pontious
- Timothy D Raymond

Master of Science in Applied Ecology

- Samantha Robinson Kurkowski

Master of Science in Applied Natural Resource Economics

- Wasii Olawale Amobi

Master of Science in Applied Statistics

- Christopher Elliott Collum
- Christopher M Barbour
- Erik Daniel Vasilauskas
- Ethan Comfort
- James Micheal Keane
- Jessica Tze-Tseng Bunge
- Justin Deherder
- Krisztina Szathmary-Kiraly Hagey
- Louis Leroy Blocker
- Owen Timothy Applequist
- Phi Tat
- Samantha Mariah Hair
- Shaelyn Rae Doyle
- Thomas Christopher Dewaters
- Trinidad B Cisneros
- Zachary Andrew Krysiak

Master of Science in Biological Sciences

- Christina Marie Boody
- Clara Mae Mosentine
- Gary Michael Swain
- Nirali Mehta
- Vanessa Cubillos Tellez

Master of Science in Biomedical Engineering

- Alexia Lynn Canull
- Braxton Brooks Blackwell
- Jared R Martini
- Lydia Ann Ragel Wilson

Master of Science in Chemical Engineering

- Azade Tahmasebi
- Kaushik Baruah
- Rachael Mae Haslam
- Sneha Singh

Master of Science in Civil Engineering

- Deanna M Wozniak
- Kendall Adriana Welling
- Lei Yin
- Madalynn Marie Reitz
- Michael Ayomide Abosedo
- Samantha Rosemary Johnson
- Sulaiman Sherzad

Master of Science in Computer Engineering

- Ranit Karmakar

Master of Science in Computer Science

- Alexander Glenn Martin
- Pranav Rudraraju
- Robert Patrick Watling
- Siddhesh Deepak Mahadeshwar
- Thomas John Grifka

Master of Science in Cybersecurity

- Andrew Robert Youngstrom
- Jacson Donald Ott
- Trevor John Hornsby

Master of Science in Data Science

- Aidan D VanDrie
- Alan Kendrik Bouwman
- Allison K Gilles
- Anthony Joseph Goglio
- Harikrishnan Changarnkothapecherikkal
- Indrajeet Uday Sawant
- Rinkle Mukeshbhai Agarwal
- Ryan Dura
- Tejaswi Chintapalli
- Udit Narayan Joshi
- Vidhan Khanal

Master of Science in Electrical Engineering

- Britta L Anderson
- Jonathan Castillo Monrreal
- Richard Thomas Gray

Master of Science in Electrical and Computer Engineering

- Ashfiqur Rahman
- Clarence Earl Hardwick
- Madelyn Grace Veurink
- Manan Patel
- Manisha Koppiseti
- Nathaniel John Broetzman
- Pradnya Kalpesh Shah
- Pranita Avinash Talekar
- Rajat Sanjay Jadhav
- Sanket Pote
- Shreya Satish Patel
- Shruti Dipak Ghalsasi

Master of Science in Environmental Engineering

- Allyson Rose Fenton
- Anna Li E Holey
- Anna Marie Khan
- Audra Lass Bialik
- Benjamin Carl Reuss
- Dominic Michael Garrett Bertoia
- Kimberley Mary Peter
- Louis Benjamin Chapin
- Tyler Keith LeMahieu

Master of Science in Environmental and Energy Policy

- Courtney Archambeau

Master of Science in Geological Engineering

- Evan Jacob Ricchio-Hitchcock
- Madeline Marie Anderla

Master of Science in Geology

- Daniel Joseph Lizzadro-Mcpherson
- Kaitlyn L Hauser
- Paola Mitchelle Rivera Gonzalez

Master of Science in Geophysics

- Nontawat Srisapan

Master of Science in Health Informatics

- Ainiwaer Xiemusiye

- Handamier Yilimila

Master of Science in Industrial Heritage and Archaeology

- Valentin Pulido

Master of Science in Integrated Geospatial Technology

- Oluwatosin Oluyemisi Ayo

Master of Science in Materials Science and Engineering

- Akash Gawde
- Keaton F Schmidt
- Priyanka Shankar Jadhav
- Vaibhav Shashikant Narvankar

Master of Science in Mechanical Engineering

- Abhijit Rajendra Avasare
- Abhishek Wangikar
- Adesh Mangesh Sawant
- Aditya Prasad Karmarkar
- Ajay Hasmukhbhai Majethiya
- Ajinkya Shrinivas Deshmukh
- Akash Kishor Kokate
- Akhilesh Sirivolu
- Alok Maruti Shelar
- Amanpreet Singh Pandher
- Amit Kumar Yadav
- Anket Mahadeo Patil
- Anurag Anil Gunjal
- Ashitosh Watpade
- Atharv Eknath Dalvi
- Bhupendra Shashi Vishwakarma
- Chaitanya Anant Patil
- Chanchal Dhiman
- Chetan Ashok Karan
- Chinmay Milind Kolgaonkar
- Diwakar Tyagi
- FNU Fahad Bin Sayeed Masqati
- FNU Sufiyan Ahmed
- Gnan Vipul Oza
- Haren Sunil Panchal
- Harish Reddy Chinmula
- Himanshu Rao Vunkil
- Houssein Yassin
- Hyrum Fairbanks

- Ishan Sachin Wagh
- Janak Narendra Deshmukh
- Jason Noe
- Jerome Kurien Alapatt
- Jimit Jagdish Bhate
- Joseph Golinske
- Lucas Hunter Kuznicki
- Mahalakshmi Madhoolika Jammalamadaka
- Marc Cajetan Dsa
- Mark Missack Ousdigian
- Mayur Ashok Deshmukh
- Mohan Raj Ramu
- Nicholas Joseph Soraruf
- Nidhip Jasmin Naik
- Nihal Reddy Challa
- Omkar Mutteparwar
- Praneet Sitaram Chinchoriya
- Rajat Rajendra Tawde
- Rajivgandhi Kaveri
- Renuka Subodh Kulkarni
- Roopesh Kumar Boyini
- Sai Charan Manne
- Sai Krishna Rama
- Sai Krishna Thakkalapally
- Sampath Mogili
- Sarah Elizabeth Stadler
- Sarbeswar Das
- Satvik Pai
- Shanmugam Ramasamy
- Shivani Sunil Rajopadhye
- Shriprasad Bhalchandra Kulkarni
- Shubham Maruti Tekawade
- Sreespandan Reddy Hemalla
- Srivaths Balaji
- Sushant Sanjay Sangawar
- Tejas Nitin Dhote
- Venkataramanan Natarajan
- Yugandhara Yuvraj Patil

Master of Science in Mechatronics

- Anjani Deeksha Muddasani
- Charan Valaboju
- Chetan Shantinath Nandre

- Dunsten Michael Xavier Dsouza
- Evan Gregory Fadanelli
- Jeevan Shridhar Devagiri
- Joshua Adedayo Olusola
- Manikanth Amuda
- Prathamesh Shrinivas Urunkar
- Pratik Mohan Deshmukh
- Rahul Bondalapati Budha Siva Sai
- Rohit Pota
- Sai Prasanth Jeyaraman
- Sai Revanth Reddy Dudipala
- Sarthak Shrenik Patil
- Sri Charan Nallani Chakravarthula
- Sushvan Reddy Gopireddy

Master of Science in Mining Engineering

- Dharmasai Eshwar Reddy Sirigiri

Master of Science in Physics

- Alyssa Horne
- Hitendra Singh

Master of Science in Statistics

- Caleb Arthur Hiltunen
- Meiling Zhou

* Addendum to Conferral

- Degree Awarded 202208

** Addendum to Conferral

- Degree Awarded 202205

VII-C. Resignations, Retirements, and Off Payroll

BOARD OF TRUSTEES OFF-PAYROLL REPORT

(April 2, 2023 – June 30, 2023)

RETIRED

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Theresa Ahlborn	FF	Civil, Environmental & Geospatial Engineering	Professor	11/20/1995	06/30/2023
Susan Amato-Henderson	FF	Cognitive & Learning Sciences	Associate Professor	08/20/2000	06/30/2023
Laura Baril	UF	Human Resources	Senior Administrative Aide	06/29/2004	06/30/2023
Judy Burl	PF	Electrical and Computer Engineering	Academic Advisor, Undergrads	10/25/2004	06/09/2023
Joseph Burns	PF	Michigan Tech Research Institute (MTRI)	Senior Research Scientist/Engineer	10/01/2006	06/30/2023
Nancy Byers Sprague	PF	Graduate School	Director of Graduate Degree Services	04/17/1978	06/30/2023
Paul Doskey	FF	College of Forest Resources & Environmental Sciences	Professor	08/17/2008	06/15/2023
Brian Fick	FP	Physics	Professor	08/15/2004	05/13/2023
Robert Fritz	NP	Civil, Environmental & Geospatial Engineering	Technical Lab Coordinator	01/25/1999	06/30/2023
Sarah Green	FD	Chemistry	Interim Department Chair	08/29/1994	06/30/2023
David Hale	PF	Chief Information Officer	Chief Information Security Officer	09/07/1995	06/03/2023
Laura Harry	UF	Business Support Center	Administrative Aide	08/15/2000	06/30/2023
Amy Hughes	PF	Internal Audit	Director of Internal Audit	01/04/1993	06/30/2023
Chandrashekhar Joshi	FD	Biological Sciences	Department Chair	04/01/1996	06/30/2023
Jerry Lutz	PP	Chemistry	Assistant Engineer/Scientist	02/05/1990	06/30/2023
Thomas Merz	FF	College of Business	Professor	09/02/1980	06/30/2023
Lisa Phillips	PF	Michigan Tech Research Institute (MTRI)	Office Manager	10/01/2006	06/30/2023
Brenda Rudiger	PF	Office of Advancement	Assistant Vice President for Advance Services	03/12/2007	06/30/2023
Jennifer Slack	FF	Humanities	Professor	08/29/1988	06/30/2023
Nikola Subotic	PF	Michigan Tech Research Institute (MTRI)	Director of Michigan Tech Research Institute	10/01/2006	06/30/2023
Bryan Suits	FF	Physics	Professor	09/02/1985	06/30/2023
Eric Karvonen	PF	Catering	Executive Chef	02/21/2006	05/31/2023

OFF-PAYROLL

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Daniel Corrigan	AF	Facilities Management	Equipment Operater	11/15/2021	06/01/2023
Shuanglin Zhang	FP	Mathematical Sciences	Professor	08/19/2001	06/23/2023
Steven Olson	CF	General Athletics	Head Football Coach	03/14/2011	06/30/2023
Pradeep Agrawal	FD	Chemical Engineering	Department Chair	07/01/2017	06/30/2023
Daniel Brinks	PF	Information Technology Operations	Senior Systems Administrator & Team Lead	09/13/2004	06/16/2023
Robin Chosa	NP	College of Forest Resources & Environmental Sciences	Operations Manager of the Ford Center	12/13/2021	04/29/2023
Beth Frederick	AF	Facilities Management	Custodian	03/06/2006	04/25/2023
Megan Frost	FF	Kinesiology & Integrative Physiology	Professor	08/12/2007	05/13/2023
Jacob Hiller	Ff	Civil, Environmental & Geospatial Engineering	Associate Professor	08/12/2007	06/02/2023
Lisa Hitch	PF	Cognitive & Learning Sciences	Department Coordinator	08/09/2021	06/10/2023

Brent Kari	NF	Facilities Management	Central Receiving Specialist	01/29/2018	05/13/2023
Keith Machiela	PF	Financial Services & Operations	Director of Accounts Receivable	11/22/1993	04/29/2023
Patrick Miller	AF	Facilities Management	Custodian	04/20/2022	04/15/2023
Sheila Milligan	FC	College of Business	Associate Teaching Professor	08/17/2015	05/13/2023
Amlan Mukherjee	FF	Civil, Environmental & Geospatial Engineering	Professor	08/15/2005	05/13/2023
Sean Patchin	AF	Sports & Recreation Operations	Building Mechanic	04/05/2021	06/07/2023
Nicole Roeper	PF	College of Sciences & Arts	Director of Pre-Health Program	07/10/2017	04/28/2023
Tripti Singh	FF	College of Business	Assistant Professor	08/09/2021	05/06/2023
Wallace Southerland	EX	Dean of Students/Vice President of Student Affairs	Vice President for Student Affairs/Dean of Students	07/01/2021	06/30/2023
Erina Stancher	UP	Human Resources	Administrative Aide	08/08/2022	05/26/2023
Benjamin Stelzer	CF	General Athletics	Assistant Coach of Men's Basketball	06/28/2021	06/30/2023
Rachel Store	PF	Mechanical Engineering-Engineering Mechanics	Research Engineer/Scientist	08/13/2018	06/03/2023
Allison Sturos	PF	Human Resources	Benefit Specialist	01/03/2022	05/12/2023

VII-D. Fundraising Productivity Report

Michigan Technological University
Michigan Tech Fund
Fundraising Productivity Report

July 1, 2022 through June 30, 2023

FY23

Source	YTD Total	Adjustment	FY Goal <small>(in millions)</small>	% of Goal
Major Gifts (Over 10K)	6,147,794.51		6.92	89%
Planned Gift Commitments	15,149,500.00		12.04	126%
Annual Giving (10K or less)	2,741,921.96		2.31	119%
Corporate Giving	3,182,823.90		2.05	155%
Foundation & Other Org Giving	1,318,742.01		5.13	26%
Corporate Sponsored Research	16,309,474.00		13.33	122%
<hr/>				
<i>Amt of TOTAL from Gifts-in-Kind</i>	<i>1,246,930.60 (included in the source totals above)</i>			
<i>Amt of Gifts/Pledges earmarked for the endowment</i>	<i>11,036,041.33 (included in the source totals above)</i>			
<i>Amt of Gifts/Pledges earmarked for demand funds</i>	<i>12,779,322.72 (included in the source totals above)</i>			
<i>Amt of Gifts/Pledges earmarked for unrestricted funds</i>	<i>753,682.82 (included in the source totals above)</i>			
TOTAL PROGRESS TOWARDS FY GOAL	\$ 44,850,256.38		FY Goal 41.77	% of Goal 107%
<i>Realized Planned Gifts - All</i>	<i>3,185,978.24 (NOT included in the source totals above)</i>			
<i>Amt of Realized Planned Gifts earmarked for the endowment</i>	<i>1,628,141.55</i>			
<i>Realized Pledges</i>	<i>2,208,840.24</i>		<i>(NOT included in the source totals above)</i>	

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

VII-E. Michigan Tech Fund Agreement Approval

**AGREEMENT BETWEEN MICHIGAN TECHNOLOGICAL UNIVERSITY
AND THE MICHIGAN TECH FUND**

This Agreement made July 1, 2023 between Michigan Technological University (“University”) and the Michigan Tech Fund (“Fund”).

WHEREAS, the Fund’s work in receiving and managing charitable gift assets for the University is critical to its ability to fulfill its mission and strategic direction, and

WHEREAS, the Fund’s advocacy of the University’s mission and priorities constitutes a valuable service, and

WHEREAS, fundraising is a joint priority of the University and the Fund, and

WHEREAS, the University and the Fund desire to continue a heretofore existing arrangement:

IT IS AGREED:

1. In consideration of the support directly inuring to the benefit of the University from the activities of the Michigan Tech Fund, the University will provide to the Fund:
 - a. supporting services including mail services, limited printing services, access to the phone network, and internal audit services;
 - b. access to the Banner system for maintenance and upkeep of the alumni/development database.
2. The Fund agrees to continue its various fundraising administrative support and asset management functions for the betterment and advancement of the University. The Fund also agrees to support consulting services as done in the past.
3. This agreement shall terminate on June 30, 2024 and will be considered for renewal for successive one-year periods. The grant or denial of such renewal shall be at the sole discretion of the Board of Trustees of Michigan Technological University.

Michigan Technological University

Michigan Tech Fund

By: Richard J. Koubek
Its: President

By: Richard J. Koubek
Its: President

By: Jeffrey C. Littmann
Its: Chair, Board of Trustees

By: Michael A. Pulick
Its: Chair, Board of Directors

VIII. ACTION AND DISCUSSION ITEMS

VIII-A. EMPLOYEE RECOGNITION

For our employees that have worked for Michigan Tech for 35 or more years and in recognition of their distinguished service and outstanding contributions to Michigan Tech, the Board would like to honor them with a resolution of appreciation.

RECOMMENDATION: That the Board of Trustees adopts the Resolution of Appreciation for the following individuals:

1. Nancy Byers Sprague, Director of Graduate Degree Services, Graduate School, 45 years of service
2. Thomas Merz, Professor, College of Business, 43 years of service
3. Jennifer Slack, Professor, Humanities, 35 years of service
4. Bryan Suits, Professor, Physics, 38 years of service

VIII-B. 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 emerita appointment for Dr. Susan Amato-Henderson, Department of Cognitive and Learning Sciences.

VIII-C. APPOINTMENT WITH TENURE – DR. ATHAR ATA

Included herein is a request for the appointment of Dr. Athar Ata, whom, with their initial appointment, will receive tenure.

Dr. Athar Ata is being recommended for an appointment as a Professor with tenure in the Department of Chemistry, within the College of Sciences and Arts, effective August 14, 2023. The recommendation has been endorsed by the department's tenure and promotion committee, interim department chair, College of Sciences and Arts' tenure and promotion committee, college dean, provost, and president. Dr. Ata began serving as chair of the Department of Chemistry at Michigan Tech University on July 1, 2023. Previous to this Dr. Ata was chair and professor (with tenure) in the Department of Chemistry at the University of Winnipeg in Canada.

RECOMMENDATION: It is recommended that the Board of Trustees approves the appointment of Dr. Athar Ata as a Professor with tenure in the Department of Chemistry effective August 14, 2023.

INFORMATION SHEET FOR BOARD OF TRUSTEES

Athar Ata

Michigan Technological University

Athar Ata, who is currently Professor of Chemistry without tenure in the Department of Chemistry in the College of Sciences and Arts, is being considered for granting tenure in the Department of Chemistry in the College of Sciences and Arts.

Academic Degrees:

Ph.D.	1996	University of Karachi, Karachi, Pakistan
M.Sc.	1989	University of Agriculture, Faisalabad, Pakistan
B.Sc.	1987	University of Karachi, Karachi, Pakistan

Professional Record:

2023-Present	Professor (Without Tenure), and Department Chair, Department of Chemistry, MTU
2001-2023	Professor (Tenured), Department of Chemistry, University of Winnipeg, Winnipeg, MB, Canada
2021-2022	Visiting Professor, Department of Chemistry, Ohio Dominican University, Columbus, OH
2021-2022	Visiting Professor, College of Pharmacy, Ohio State University, Columbus, OH
2018-Present	Adjunct Professor, International Centre for Chemical and Biological Sciences, University of Karachi, Pakistan
2008-2009	Visiting Professor, Department of Chemistry and Biochemistry, Bradley University, Peoria, IL
2002-2023	Adjunct Professor, Department of Chemistry, University of Manitoba, Winnipeg, MB, Canada
2000-2001	Research Assistant Professor, Department of Chemistry and Biochemistry, Florida Atlantic University, Boca Raton, FL
1998-2000	Postdoctoral Research Associate, Department of Chemistry and Biochemistry, Florida Atlantic University, Boca Raton, FL
1997-1998	Assistant Professor, Petroleum and Petrochemicals Research Institute, King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia
1996-1997	Research Officer, H.E.J. Research Institute of Chemistry, University of Karachi, Karachi, Pakistan

Summary of Accomplishments:

Teaching:

Dr. Ata impacted students across the campus of the University of Winnipeg by designing and teaching in-class and online undergraduate and graduate courses such as medicinal chemistry, natural products and spectroscopy to bridge the gaps in Chemistry, Biology and Neuroscience degree programs. He also developed new labs as part of experiential learning for undergraduate and graduate students. These labs have industrially related experiments routinely used in research labs and complement classroom teaching. These labs make students, especially course-based degree program students, competitive in pursuing graduate studies and employment in the chemical, pharmaceutical, and biotechnological industries. These lab development efforts led him to co-author the following two publications in Journal of Chemical Education. These publications are very well received by the chemistry community.

(<https://pubs.acs.org/doi/10.1021/acs.jchemed.2c00858> and <https://pubs.acs.org/doi/10.1021/acs.jchemed.7b00421>).

Dr. Ata is highly respected and regarded by his students, and based on their nomination, he was awarded the Clifford J. Robson Memorial Award for Excellence in Teaching by the University of Winnipeg in 2008 (<https://www.uwinnipeg.ca/awards-distinctions/robson/ata.html>). At Michigan Tech, he will continue to make significant contributions to teaching both undergraduate and graduate students.

Research/Scholarly Activity:

Dr. Ata is a natural product chemist and his research group is involved in discovering new health related bioactive organic compounds from medicinally important plants using anti-enzymatic assays. He also studies structure-activity relationships of bioactive compounds and mode of action of bioactive compounds using microbial reactions, synthetic organic chemistry, and computational chemistry. This interdisciplinary research integrates advanced chemical instrumentation methods like HPLC, NMR spectroscopy, and LC-MS techniques for purifying and identifying organic compounds. These methods are central to academic labs and chemical, and pharmaceutical industries. He has successfully trained over 130 undergraduate,

29 graduate students and nine postdocs. His mentees have won awards by presenting their work at national and international conferences. His undergraduate mentees have gone to further their education. His graduate students and postdocs serve as faculty members and scientists in the chemical and pharmaceutical industry and government organizations worldwide. Dr. Ata's research group has published 93 (88 published and 5 submitted) journal articles, 14 invited book chapters, and made over 150 conference presentations. His work is very well received by the scientific community (Google Scholar h-index 32). To date, Dr. Ata has secured \$1,254,992 as PI and Co-PI. He was awarded this funding from various sources, including the Natural Sciences and Engineering Research Council of Canada (NSERC), Canada Foundation for Innovation (CFI), Research Manitoba and Research Corporation for Science Advancement, USA. His mission is to continue to maintain his research program with the help of external funding and keep training undergraduate and graduate students in drug discovery program at Michigan Tech.

Service:

Dr. Ata has an extensive service record both within and outside the University of Winnipeg. He is a peer reviewer for journals of the American Chemical Society, Elsevier, Springer and Royal Society of Chemistry. He serves as an ad hoc reviewer and as a Grant Selection Committee Member for national and international funding agencies, including Canada Research Coordinating Committee: New Frontier in Research Funds, Canada, CFI, NSERC, National Science Foundation, USA, Czech Science Foundation, Czech Republic, Foundation for Science and Technology, Portugal, Third World Academy of Sciences, Italy, International Science Foundation, Sweden. Additionally, he has been appointed as an external examiner for Ph.D. students and as external ad hoc reviewer for tenure and promotions applications from national and international universities (Australia, Canada, India, Malaysia, Pakistan, and USA). Within the University of Winnipeg, Dr. Ata has served on the Senate, Board of Regents, and as Department Chair of Chemistry. He has also coordinated interdisciplinary programs (the Applied Chemistry program and Biochemistry program).

Recent and Significant Publications/Exhibitions/Performances/Etc.:

1. Bioactive natural products from medicinal plants, **A. Ata**. In: Drug Design and Drug Discovery Based on Natural Products. Editor: Jorddy N. Cruz, Springer Nature, New York, 2023 (in press).
2. Exploring Medicinal Plants for the Development of Natural Enzyme Inhibitors, S. Naz, P. Holloway, **A. Ata**, B. Sener In Evidence-Based Validation of Herbal Medicine, Ed. P. K. Mukherjee, Elsevier Science Publishers, Amsterdam, 671-690. 2022
3. Synthesis, characterization, in-silico and pharmacological evaluation of new 2-amino-6-trifluoromethoxy benzothiazole derivatives, S. Malik, G. A. Miana, **A. Ata**, M. Kanwal, S. Maqsood, I. Malik and Z. Kazmi, *Bioorganic Chemistry*, **130**, 106175, 2022.
4. Cytotoxic and antimicrobial activities of two new sesquiterpenoids from red sea brittle star *Ophiocoma dentate*, S. E. El Feky, M. S. M. A. El Hafez, N. A. A. El Moneim, H. A. H. . Ibrahim, M. A. Okbah, **A. Ata**, A. S. El Sedfy and A. Hussein, *Sci Rep* **12**, 8209 (1-13), 2022.
5. Medicinal plants used in the treatment of tuberculosis - Ethnobotanical and ethnopharmacological approaches, J. Sharifi-Rad, Salehi, Z. Z. Stojanovic-Radic, P. V. T. Fokou, G. B. Mahady, M. Sharifi-Rad, M. R. Masjedi, T. O. Lawal, S. A. Ayatollahi, J. Masjedi, R. Sharifi-Rad, W. N. Setzer, F. Kobarfard, A.-U. Rahman, M. I Choudhary, **A. Ata**, M. Iriti, *Biotechnology Advances*, 107629, 2020.
6. One-pot approach to pyrido-4-phenanthridinones by Pd-catalyzed annulation of 4-quinolones with 2-bromobenzyl bromides, T. Arasakumar, S. Shyamsivappan, S. Gopalan, **A. Ata**, and P. S. Mohan, *Synlett*, **30**, 63-68, 2019.
7. Synthesis and biological evaluation of novel fused Indolo [2,3-c] [1,8] naphthyridine derivatives as potential antibacterial agents, T. R. Makhanya, R. M. Gengan and **A. Ata**, *Synthetic Communications*, **49**, 823-835, 2019.
8. Synthesis of novel Phenyl-8, 9-dihydrobenzo[*b*] [1, 8] naphthyridin-6(7H)-one derivatives and their biological evaluation against lung cancer cells, T. R. Makhanya, P. Pitchai, **A. Ata** and R. M. Gengan, *J. Heterocycl. Chem.* **55**, 1193-1204, 2018.
9. Biologically active perspective synthesis of heteroannulated 8-nitroquinolines with green chemistry approach, T. Arasakumar, S. Mathusalini, S. Shyam, S. Gopalan, **A. Ata**, K. Lakshmi, P. S. Mohan, *Bioorganic and Medicinal Chemistry Letters*. **27**, 1538-46, 2017.
10. Antimicrobial compounds from *Drypetes staudtii*, D. Grace, M. S. Khan, K. Friesen and **A. Ata**, *Chemistry and Biodiversity*, **13**, 913-917, 2016.
11. Bioactive steroidal alkaloids from *Buxus macowanni*, C. W. Lam, A. Wakeman, **A. Ata**, R. M. Gengan and S. A. Ross, *Steroids* **95**, 73-79, 2015.

VIII-D. APPOINTMENT WITH TENURE

Included herein is a request for the appointment of Dr. Holly Hassel, whom, with their initial appointment, will receive tenure.

Dr. Holly Hassel is being recommended for an appointment as a Professor with tenure in the Department of Humanities, within the College of Sciences and Arts, effective August 14, 2023. The recommendation has been endorsed by the department's tenure and promotion committee, department chair, College of Sciences and Arts' tenure and promotion committee, interim college dean, provost, and president. Prior to accepting a position at Michigan Tech University, Dr. Hassel was professor (with tenure) and director of the first-year writing program in the Department of English at the North Dakota State University.

RECOMMENDATION: It is recommended that the Board of Trustees approves the appointment of Dr. Holly Hassel as a Professor with tenure in the Department of Humanities effective August 14, 2023.

**INFORMATION SHEET FOR BOARD OF TRUSTEES
HOLLY HASSEL, PH.D.
Michigan Technological University**

Holly J. Hassel is currently a full Professor of English with tenure at North Dakota State University in Fargo, ND. She is being considered for an appointment as Professor with tenure at Michigan Technological University in the Department of Humanities.

Academic Degrees:

Ph.D.	2002	University of Nebraska-Lincoln , Lincoln, NE
M.A.	1997	St. Cloud State University, St. Cloud, MN
B.S.	1995	St. Cloud State University, St. Cloud, MN

Professional Record:

2018-Present	<ul style="list-style-type: none"> • 2018-present: Professor, North Dakota State University, Fargo, ND <ul style="list-style-type: none"> ○ 2021-present: Director, First-Year Writing Program
2012-2018	<ul style="list-style-type: none"> • Professor, University of Wisconsin-Marathon County, Wausau, WI
2008-2012	<ul style="list-style-type: none"> • 2008-2012: Associate Professor, University of Wisconsin-Marathon County, Wausau, WI
2002-2008	<ul style="list-style-type: none"> • Assistant Professor of English, University of Wisconsin-Marathon County, Wausau, WI
1997-2002	<ul style="list-style-type: none"> • Graduate Teaching Assistant, University of Nebraska-Lincoln, Lincoln, NE; employment experiences:
1995-1997	<ul style="list-style-type: none"> • Graduate Assistant, Writing Center, St. Cloud State University, Graduate Teaching Assistant, St. Cloud State University

Summary of Accomplishments:

• Teaching

Dr. Hassel has taught a full range of courses in multiple institutions, ranging from graduate courses on composition pedagogy to writing tutorials and basic writing courses. Hassel's teaching record includes first-year writing, introduction to writing studies, composition research, advanced writing workshop, and business communication. Her teaching experience includes both online asynchronous, hybrid, and face-to-face formats. She has had responsibility for training new teachers of college writing, and has successfully supervised over a dozen masters and PhD students on a range of topics across writing, rhetoric, and theory. She received an innovative instructor recognition in Fall 2022, a competitive teaching fellowship in 2014, and faculty of the year award in 2013.

• Research/Scholarly Activity

Dr. Hassel has published eight academic books, a mix of co-authored and co-edited scholarly contributions. She has co-authored a popular textbook for use in introductory to women's and gender courses that is in its 3rd edition; two additional coauthored books are forthcoming in 2023. Her empirical research on student placement and multiple measures assessment for first-year writing students has received institutional and national recognition including the Council of Writing Program Administrators' "Outstanding Scholarship in Writing Program Administration" in 2017. With co-authors, Hassel received a number of competitive research grants from the University of Wisconsin System and she is regularly invited to give lectures and workshops on the topics of feminist pedagogy, writing assessment, and shared governance.

- Service

Dr. Hassel has an extensive service record at multiple levels. She has served in elected leadership roles, including chair of the national conference in the field of Writing Studies, the Conference on College Composition and Communication, and as editor of a national peer-reviewed journal, *Teaching English in the Two-Year College*. On the institutional level, she was elected as chair of the Faculty Senate in the University of Wisconsin Colleges and elected by the faculty representatives to serve as liaison to the UW System Restructuring Coordinating Committee at the State Level. She has participated in or chaired committees on mentoring, public engagement, teaching awards, the status of women in the profession, general education, curriculum, assessment, workload issues, promotion and tenure, and research grant evaluation and awards. She serves on the editorial board of two peer-reviewed journals, *Peitho*, and *Journal of Writing Assessment*.

- Recent and Significant Publications/Exhibitions/Performances/Etc.

Books

- Cole, Kirsti, Joanne Baird Giordano, and Holly Hassel. [*A Faculty Guidebook for Effective Shared Governance and Service in Higher Education*](#). Routledge. Forthcoming, July 2023.
- Joanne Giordano, Holly Hassel, Cassandra Phillips, and Jennifer Heinert. *Reaching All Writers: A Pedagogical Guide for Evolving Writing Classrooms*. Utah State UP. In production, expected publication, December, 2023.
- Hassel, Holly, and Cassandra Phillips. [*Materiality and Writing Studies: Aligning Labor, Scholarship, and Teaching*](#). Studies in Writing and Rhetoric, National Council of Teachers of English. 2022.
- Hassel, Holly and Kirsti Cole, editors. [*Transformations: Change Work across Writing Programs, Pedagogies, and Practices*](#). Utah State University Press. 2021.
- Hassel, Holly, Christie Launius, and Susan Rensing. [*A Guide to Teaching Introductory Women's and Gender Studies: Socially Engaged Classrooms*](#). Palgrave-McMillan, 2021.

Recent Peer Reviewed Articles

- Graban, Tarez, Holly Hassel, and Kate Pantelides. "[Feminists \(in\) Dialogue: Mapping Convergent Moments and Telling Divergent Histories of the CCCC Feminist Caucus and the CFSHRC](#)." vol. 24, no. 2 (Summer) 2022 issue of *Peitho: Journal of the Coalition of Feminist Scholars in the History of Rhetoric and Composition*.
- Lindquist, Julie and Holly Hassel. "[Professional Leadership As Communicative CareWork: Service and Fast Rhetoric in the Digital Pandemic](#)," vol. 6, no 2, Summer 2022. <http://journalofmultimodalrhetorics.com/6-2-issue-intro>.
- Phillips, Cassandra and Holly Hassel. "Decoding Writing Studies: First Generation Students, Threshold Concepts, and Pedagogies of Access." *Teaching English in the Two-Year College*, vol 50, no. 1, 2022. Pp 22-46.
- Tinoco, Liz, Emily Suh, Kirsten Higgins, Joanne Giordano, Holly Hassel, Patrick Sullivan, and McKenna Wegner. "Community College English Faculty Pandemic Teaching Adjustments: Teaching in the Time of COVID-19." *Community College Journal of Research and Practice*, vol. 46, no. 1-2, 2022, pp. 60-73. <https://www.tandfonline.com/doi/full/10.1080/10668926.2021.2010623>

VIII-E. PROPOSAL FOR AN ASSOCIATE OF SCIENCE DEGREE IN ENGINEERING

The faculty in the Department of Engineering Fundamentals, within the College of Engineering, seek to establish an Associate of Science (AS) degree in Engineering. The AS in Engineering would allow students to be eligible for financial aid, such as Michigan's Tuition Incentive Program (TIP), that is earmarked specifically for obtaining an associate degree. Continued financial aid through the TIP program is available for students who complete an associate degree and go on for a bachelor's degree, as long as the credits taken during their associate's degree count toward their bachelor's degree. The

AS in Engineering is a two-year program similar to many engineering or pre-engineering associate degrees offered at many other universities or community colleges. It offers the first two years of an engineering bachelor's degree. Unlike many of the other programs, Michigan Tech will offer a much broader range of engineering courses allowing students to focus on particular engineering disciplines. Offering this degree will allow engineering students to more fully utilize their TIP funding as well as increase the likelihood of completing their associate degree.

The proposal has been approved by the University Senate, University administration, and the Academic Affairs Officers of the Michigan Association of State Universities.

RECOMMENDATION: It is recommended that the Board of Trustees approves the Associate of Science degree in Engineering.

VIII-F. PROPOSAL FOR A BACHELOR OF SCIENCE DEGREE IN DATA SCIENCE

The faculty in the Department of Computer Science, within the College of Computing, seek to establish a Bachelor of Science (BS) degree in Data Science. Data Science is a rapidly growing field with significant job growth. Many positions require a bachelor's degree for entry-level positions with it being ranked in the top 10 best jobs by US News and World Report and 50 Best Jobs in America in 2022.

The BS in Data Science includes foundational coursework from both computer science and mathematical sciences. The technical focus area provides the opportunity for all graduates of the program to also earn a minor. Graduates would have a strong foundation to continue their studies into a graduate program such as Michigan Tech's MS in Data Science, MS in Statistics, MS in Applied Statistics, or MS in Health Informatics.

The proposal has been approved by the University Senate, University administration, and the Academic Affairs Officers of the Michigan Association of State Universities.

RECOMMENDATION: It is recommended that the Board of Trustees approves the Bachelor of Science degree in Data Science.

VIII-G. PROPOSAL FOR A MASTER OF SCIENCE DEGREE IN APPLIED COMPUTER SCIENCE

The faculty in the Department of Computer Science, within the College of Computing, seek to establish a Master of Science (MS) degree in Applied Computer Science. This degree prepares students to apply computer science within a chosen application domain.

Due to advances in data collection and analysis, along with ever increasing computational power and availability, computers are being used in new ways to solve problems in virtually every industry. However, the rigorous application of computing to solve problems in another science, or virtually any domain, requires both foundational and advanced knowledge in computer science (CS), as well as within the application domain. This proposed degree facilitates study only in those areas of computer science relevant to a particular application, while also including topics from the application area.

The proposal has been approved by the University Senate, University administration, and Academic Affairs Officers of the Michigan Association of State Universities.

RECOMMENDATION: It is recommended that the Board of Trustees approves the Master of Science degree in Applied Computer Science.

VIII-H. REVISION TO BOARD POLICY 11.13 SIGNING CONTRACTS AND OTHER LEGAL DOCUMENTS

Current Board Policy 11.13 delegates signature authority to the President as well as providing a lengthy list of agreement types that are primarily expected to be executed by those in certain positions, except when otherwise delegated by the President or approved by the Board. In order to provide greater clarity to contracting parties and the public, and to provide for greater institutional control, it is recommended that the Board policy be updated to require annual written delegations from the President and a public-facing website be maintained with current signature authority.

RECOMMENDATION: That the Board of Trustees approves the revision to the Board of Trustees Policy 11.13 Signing Contracts and Other Legal Documents as included in the materials.

REDLINE OF REVISIONS

PURPLE = ADD

~~RED STRIKETHROUGH~~ = DELETE

11.13 Signing Contracts and Other Legal Documents

The President of the University, pursuant to his general authority and responsibility for the operation of the University and in accord with the General Policies laid down by the Board is authorized to sign any University contract or other legal document ~~may execute any documents~~ unless it goes ~~they go~~ beyond or deviates from the Board's established objectives. The President is further authorized to delegate in writing his or her signing authority for contracts or other legal documents to other University administrators, as appropriate, and to authorize those administrators to further delegate to the extent appropriate. Such delegations must be made at least annually and must be done in writing. The General Counsel and Secretary to the Board of Trustee must maintain a current register of such delegations on a publicly available website. The Chair, the Vice Chair, the Secretary, and the Treasurer of the Board are authorized to sign and execute documents within their general powers as officers, ~~congruent with their fiduciary obligations to the University~~ ~~or in certain cases, under specific authority~~.

All contracts with a value of \$1,000,000 or greater, with the exception of contracts for the provision or receipt of academic research services, require approval of the Board of Trustees prior to execution by the University except for sales of real property, which require Board of Trustees approval only if the fair market value is equal to or greater than \$5,000,000. All contracts with a value of \$500,000 or greater but less than \$1,000,000, with the exception of contracts for the provision or receipt of academic research services, must be presented to the Board of Trustees as a subsequent information agenda item.

The following types of specific agreements may be executed only by the officers or persons noted unless otherwise designated by the President or requiring Board of Trustees approval:

1. ~~Employee Patent Agreement, Employee Patent, Research and Proprietary Rights Agreement, Adjunct Professor Patent, and Proprietary Rights Agreement, Graduate Student Patent, Research and Proprietary Rights Agreement:~~
President, Provost and Senior Vice President for Academic Affairs, Vice President for Research, General Counsel, or Treasurer, provided that the President or Treasurer may delegate the authority in writing to any member of the staff.
2. ~~Licenses for patents or technology owned by the University, including licenses and options for licenses contained in research and other agreements:~~
President, Provost and Senior Vice President for Academic Affairs, General Counsel, Treasurer, or Vice President for Research, or designee.
3. ~~Technology transfer agreements:~~
President, Provost and Senior Vice President for Academic Affairs, General Counsel, Treasurer, or Vice President for Research, or designee.
4. ~~Non-disclosure Agreements, including for purposes of the Freedom of Information Act; confidential Research and Investment Information Act; Uniform Trade Secrets Acts and any other State or Federal Law or Regulation relating to disclosure or non-disclosure:~~
President, Provost and Senior Vice President for Academic Affairs, General Counsel, Treasurer, Vice President for Research, or their other written designee.
5. ~~Software and trademark licenses from or to another party:~~
President, Provost and Senior Vice President for Academic Affairs, Vice President for Research, Chief Information Officer, Director of Innovation and Commercialization, Treasurer, or those staff members designated in writing by the Treasurer.
6. ~~Easements received from another party:~~
President, Secretary, or Treasurer.
7. ~~Rentals and leases, to and from other parties:~~
President, Chief Financial Officer, Vice President for Research, Secretary, or Treasurer, provided that the Treasurer may delegate in writing, to any staff member the authority to execute agreements for room and board and apartment rentals.
8. ~~Research, training, educational, and other sponsored activities proposed, gift requests, agreements and grant applications requiring assurance of compliance with federal and/or state law, including subcontracts/agreements and service agreements related to these agreements:~~
President, Vice President for Research, Provost and Senior Vice President for Academic Affairs, , Secretary, Treasurer, provided that the Vice President for Research may delegate in writing, to any staff member, the authority to execute such documents.
9. ~~Labor agreements with Local 1166, AFSCME and Local 5000, UAW:~~
President, Chief Financial Officer, or Chief Human Resources Officer, or General Counsel.
10. ~~Educational and International agreements:~~
President, Provost and Senior Vice President for Academic Affairs, Secretary, or Treasurer.

11. ~~Agreements for payment of tuition, fees, room or board by domestic and foreign organizations:
President, Provost and Senior Vice President for Academic Affairs, Secretary, or Treasurer.~~
12. ~~Purchase order for services, including personal services for University enrichment, supplies, or equipment:
President, Provost and Senior Vice President for Academic Affairs, Treasurer, or Director of Purchasing, or those staff members designated in writing by the Director of Purchasing with the approval of the Treasurer. Purchase requisitions must be signed or countersigned by the Treasurer and/or President when required by the Board policy relating to capital additions.~~
13. ~~Dispositions of real property:
The President may sell and execute deeds of conveyance of real property, including easements, having a fair market value of \$5,000,000 or less.
The President, Chief Financial Officer, Secretary, or Treasurer may sell and execute deeds of conveyance of real property, including easements, having a fair market value of in excess of \$5,000,000 only upon formal approval of the Board of Trustees.~~
14. ~~Capital outlay projects funded by special state appropriations:
President, Chief Financial Officer, Treasurer, or any staff member designated in writing by the Treasurer.~~
15. ~~Casualty and property insurance:
President, Secretary, or Treasurer provided that the President or Treasurer may delegate this authority in writing, to any staff member.~~
16. ~~Employee benefits:
President, Chief Financial Officer, Secretary, or Treasurer provided that the President, Chief Financial Officer, Secretary, or Treasurer, may delegate this authority in writing, to any staff member.~~
17. ~~Agreements with domestic governmental and foreign governmental organizations except those specifically mentioned earlier:
President, Provost and Senior Vice President for Academic Affairs, Secretary, or Treasurer.~~
18. ~~Athletic agreements or contracts and contracts for game officials:
President, Vice President for Student Affairs, Athletic Director, or Department Chair of Kinesiology and Integrative Physiology.~~
19. ~~Programmer and/or Analyst Proprietary Rights Agreement:
President, Provost and Senior Vice President for Academic Affairs, Vice President for Research, Chief Financial Officer, or Treasurer, provided that the President, Vice President for Research, or Treasurer, may delegate this authority in writing, to any staff member.~~
20. ~~United States Department of Treasury, Bureau of Alcohol Tobacco and Firearms annual report:
President, Provost and Senior Vice President for Academic Affairs, Secretary, or Treasurer.~~

History

- 06/15/1973: supersedes
- 08/24/1973

- 04/26/1974
- 06/07/1974
- 04/23/1976
- 06/11/1976
- 05/20/1977
- 10/14/1977
- 01/28/1982
- 03/25/1983: revised 1, 21, and added 23
- 09/20/1985: added item 11
- 01/17/1986: revised 12, 17, and 24
- 09/19/1986: revised 18
- 01/19/1989: complete revision due to organizational restructuring
- 09/22/1989: revised 4
- 03/23/1990: revised 12, 13, 14, 15, and 23
- 09/18/1992: revised 13, 21, and deleted paragraph 3
- 03/19/1993: revised 4, 12, 14, 15, and 23
- 07/16/1993: Included the Executive Vice President/Provost in all sections
- 01/21/1994: revised 8, 9, 10, and 11
- 09/27/1996: revised 4, 14, 23
- 09/24/1999: revised 1, 2, 3, 4, 5, 8, 15, 16, 17, 20 22 - added Senior Vice President for Advancement and University Relations and Executive Director of Corporate Relations on items 4 and 5
- 01/21/2000: Change department name from Corporate Relations to Corporate Services and add trademark licenses to item 5
- 08/03/2000: Change in title for the Provost and Senior Vice President for Academic and Student Affairs
- 12/15/2000: Added Provost and Senior Vice President for Academic and Student Affairs to the first five items
- 03/15/2002: Added Vice President for Research to items 1, 2, 3, 4, 5, and 22 and changed Vice Provost for Research and Dean of Graduate School to the Vice Provost for Research in items 9, 10, and 11
- 10/03/2002: revised 14 to include foreign agreements
- 06/25/2003: Clarified the types of research documents in items 9, 10, and 11
- 12/10/2004: Revised provost's title to provost and senior vp for academic affairs in all items; deleted provost from 12, 18, 19, and 21; added vp for administration in 16, 17, 19, 21, 22; added vp for research in 8; deleted any references to senior vp for advancement and marketing; deleted 9, 10, 11 and combined in one item; added international agreements to 13
- 12/15/2006: Revised to provide the Chief Information Officer and signatory approval for software and trademark licenses, and to reflect a title change to the provost and vice president for academic affairs and director of technology and economic development
- 07/15/2010: Was previously Policy 13.7. Renumbered, corrected officers authorized to be consistent with current University positions and consolidated the authority of the President, deleted last paragraph, minor changes for Legislative compliance.
- 02/23/2012: Changed department name in items #4, #5 and #19. Changed VP for Administration to VP for Student Affairs in item #19.

- 12/18/2015: Authorizes President to acquire property with a value up to \$3,000,000.
- 09/24/2018: Changed title in 7, 9, 13, 14, 16, 19. Replaced Vice President for Administration with Chief Financial Officer.
- 09/25/2018: Changed title in 16. Replaced Vice President for Administration with Chief Financial Officer.
- 01/02/2019: Changed title in 4 and 5. Replaced Innovation and Industry Engagement with Innovation and Commercialization.
- 08/04/2022: Change titles in 9 and 12 and removed Director of Innovation and Commercialization in 4. Increased conveyance authority amounts from \$3,000,000 to \$5,000,000. Added Secretary to authorization in 16. Employee benefits, and General Counsel in 1, 2, 3. Added designee language.
- 8/3/2023: Shift to an annual written delegation model for increased risk mitigation and public transparency. Requires Board approval for contracts in excess of \$1,000,000, with the exception of contracts for the provision or receipt of academic research services and sales of real property with a fair market value of less than \$5,000,000.

FINAL VERSION

11.13 Signing Contracts and Other Legal Documents

The President of the University, pursuant to his general authority and responsibility for the operation of the University and in accord with the General Policies laid down by the Board is authorized to sign any University contract or other legal document unless it goes beyond or deviates from the Board's established objectives. The President is further authorized to delegate in writing his or her signing authority for contracts or other legal documents to other University administrators, as appropriate, and to authorize those administrators to further delegate to the extent appropriate. Such delegations must be made at least annually and must be done in writing. The General Counsel and Secretary to the Board of Trustees must maintain a current register of such delegations on a publicly available website. The Chair, the Vice Chair, the Secretary, and the Treasurer of the Board are authorized to sign and execute documents within their general powers as officers, congruent with their fiduciary obligations to the

All contracts with a value of \$1,000,000 or greater, with the exception of contracts for the provision or receipt of academic research services, require approval of the Board of Trustees prior to execution by the University except for sales of real property, which require Board of Trustees approval only if the fair market value is equal to or greater than \$5,000,000. All contracts with a value of \$500,000 or greater but less than \$1,000,000 must be presented to the Board of Trustees as a subsequent information agenda item.

History

- 06/15/1973: supersedes
- 08/24/1973
- 04/26/1974
- 06/07/1974
- 04/23/1976
- 06/11/1976
- 05/20/1977
- 10/14/1977
- 01/28/1982
- 03/25/1983: revised 1, 21, and added 23
- 09/20/1985: added item 11
- 01/17/1986: revised 12, 17, and 24
- 09/19/1986: revised 18
- 01/19/1989: complete revision due to organizational restructuring
- 09/22/1989: revised 4
- 03/23/1990: revised 12, 13, 14, 15, and 23
- 09/18/1992: revised 13, 21, and deleted paragraph 3
- 03/19/1993: revised 4, 12, 14, 15, and 23
- 07/16/1993: Included the Executive Vice President/Provost in all sections
- 01/21/1994: revised 8, 9, 10, and 11

- 09/27/1996: revised 4, 14, 23
- 09/24/1999: revised 1, 2, 3, 4, 5, 8, 15, 16, 17, 20 22 - added Senior Vice President for Advancement and University Relations and Executive Director of Corporate Relations on items 4 and 5
- 01/21/2000: Change department name from Corporate Relations to Corporate Services and add trademark licenses to item 5
- 08/03/2000: Change in title for the Provost and Senior Vice President for Academic and Student Affairs
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- 03/15/2002: Added Vice President for Research to items 1, 2, 3, 4, 5, and 22 and changed Vice Provost for Research and Dean of Graduate School to the Vice Provost for Research in items 9, 10, and 11
- 10/03/2002: revised 14 to include foreign agreements
- 06/25/2003: Clarified the types of research documents in items 9, 10, and 11
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- 02/23/2012: Changed department name in items #4, #5 and #19. Changed VP for Administration to VP for Student Affairs in item #19.
- 12/18/2015: Authorizes President to acquire property with a value up to \$3,000,000.
- 09/24/2018: Changed title in 7, 9, 13, 14, 16, 19. Replaced Vice President for Administration with Chief Financial Officer.
- 09/25/2018: Changed title in 16. Replaced Vice President for Administration with Chief Financial Officer.
- 01/02/2019: Changed title in 4 and 5. Replaced Innovation and Industry Engagement with Innovation and Commercialization.
- 08/04/2022: Change titles in 9 and 12 and removed Director of Innovation and Commercialization in 4. Increased conveyance authority amounts from \$3,000,000 to \$5,000,000. Added Secretary to authorization in 16. Employee benefits, and General Counsel in 1, 2, 3. Added designee language.
- 8/3/2023: Shift to an annual written delegation model for increased risk mitigation and public transparency. Requires Board approval for contracts in excess of \$1,000,000, with the exception of contracts for the provision or receipt of academic research services and sales of real property with a fair market value of less than \$5,000,000.

VIII-I. REVISION TO BOARD ORDINANCE CHAPTER 11.3 - PAYMENT OF PARKING VIOLATION FEE

Michigan Tech's parking ordinance was last updated in 2016. Since that time, Michigan Tech has received guidance from the 97th District Court regarding the parking ordinance. In addition, the university has observed that some individuals are willing to accumulate a large number of parking violations at the current fee structure. Accordingly, we are seeking to increase fines for those individuals with more than four parking violations and to update the language pertaining to the 97th District Court.

RECOMMENDATION: It is recommended that the Board of Trustees approves the revision to Board Ordinance Chapter 11.1 General Procedure and Chapter 11.3 Payment of parking violations fees as included in the Board materials.

REDLINE OF REVISIONS

PURPLE = ADD

~~RED STRIKETHROUGH~~ = DELETE

SEC. 11.1 General Procedure

Each violator shall, unless authorized or directed under state law to the contrary, be presented by the complaining officer with a traffic citation as required herein directing the violator to report to a magistrate of the 97th District Court, Houghton, Michigan; or if for a violation of Chapter 5, Parking, with a parking violation notice which shall state the nature of the violation, name of officer or person making the complaint, and the violating vehicle's make and license number. Such parking violation notice shall direct the violator to report to the Transportation Services Department, ~~Parking Violations Bureau~~ of Michigan Technological University. ~~The violator shall have the option of paying the fines prescribed for the parking violation to the University, or for the Traffic citations must be paid-charged~~ to the District Court.; ~~appealing the P~~ parking violation notices as provided by this Ordinance and University procedures ~~must be paid to Transportation Services., or appearing before such court and responding in accordance with state law to the citation. If the violator fails to appear in accordance with the notice given, a complaint or citation may be made in the court designated and the case shall be processed in the usual manner before said Court.~~

SEC. 11.3 Payment of Parking Violation Fee

Any person who has received a parking violation notice (Chapter 5 hereof) as provided in this ordinance, shall within the time specified in such notice, answer at the Transportation Services Office, Parking Violations Bureau of Michigan Technological University for the charges set forth in such notice by admitting responsibility to the infraction and by paying to the Cashier's Office a fine prescribed by the Vice President for Administration for the infraction or if responsibility is denied such person shall inform the Parking Enforcement Officer of the Transportation Services Office of their intent to appeal the citation or to deny responsibility. Acceptance of this fine so paid shall be deemed complete satisfaction for the infraction and the violator shall be given a receipt for the amount paid. Such fines shall not exceed twenty-five dollars (\$25.00) for ~~any single the first to the fourth~~ offense and ~~fifty dollars (\$50.00) for each subsequent violation~~, excepting a disabled space parking violation which shall not exceed one hundred dollars (\$100.00).

FINAL VERSION

SEC. 11.1 General Procedure

Each violator shall, unless authorized or directed under state law to the contrary, be presented by the complaining officer with a traffic citation as required herein directing the violator to report to a magistrate of the 97th District Court, Houghton, Michigan; or if for a violation of Chapter 5, Parking, with a parking violation notice which shall state the nature of the violation, name of officer or person making the complaint, and the violating vehicle's make and license number. Such parking violation notice shall direct the violator to report to the Transportation Services Department of Michigan Technological University. Traffic citations must be paid to the District Court Parking violation notices as provided by this Ordinance and University procedures must be paid to Transportation Services

SEC. 11.3 Payment of Parking Violation Fee

Any person who has received a parking violation notice (Chapter 5 hereof) as provided in this ordinance, shall within the time specified in such notice, answer at the Transportation Services Office, Parking Violations Bureau of Michigan Technological University for the charges set forth in such notice by admitting responsibility to the infraction and by paying to the Cashier's Office a fine prescribed by the Vice President for Administration for the infraction or if responsibility is denied such person shall inform the Parking Enforcement Officer of the Transportation Services Office of their intent to appeal the citation or to deny responsibility. Acceptance of this fine so paid shall be deemed complete satisfaction for the infraction and the violator shall be given a receipt for the amount paid. Such fines shall not exceed twenty-five dollars (\$25.00) for the first to the fourth offense and fifty dollars (\$50.00) for each subsequent violation, excepting a disabled space parking violation which shall not exceed one hundred dollars (\$100.00).

VIII-J. APPROVAL TO NEGOTIATE AND EXECUTE A DESIGN-BUILD AGREEMENT FOR RESIDENTIAL HOUSING

As a flagship public research university, Michigan Technological University continues to see increasing enrollment. In the Fall of 2022, Michigan Tech enrolled 7,074 students, (5,710 undergraduates and 1,364 Masters/PhD). In addition, the last two First Time in Any College (FTIAC) classes of a combined 3,162 students were the highest since 1984. The University is projecting to reach the 10,000-student enrollment by 2035.

Michigan Tech's residential housing is in high demand, and that is expected to increase. To address the need for expanded on-campus housing capacity, the University is partnering with a selected Developer partner who will design and build the identified housing expansion project, which is tentatively being called East Hall at this time. The proposed East Hall will provide additional capacity for current student needs along with future growth. The 516-bed facility will be located at the east end of campus and will also create a defined gateway to the University.

RECOMMENDATION: That the Board of Trustees adopt the attached resolution authorizing the President of the University and/or the Chief Financial Officer to negotiate and execute a design build agreement for East Hall at a cost not to exceed the Project Budget of \$62,000,000.

RESOLUTION OF THE BOARD OF TRUSTEES OF
MICHIGAN TECHNOLOGICAL UNIVERSITY
AUTHORIZING A DESIGN BUILD AGREEMENT FOR
THE DEVELOPMENT OF CAMPUS STUDENT HOUSING

WHEREAS, the Board of Trustees of Michigan Technological (the “*Board*”) is a constitutional body corporate established pursuant to Article VIII, Section 6 of the Constitution of the State of Michigan of 1963, with general supervision of Michigan Technological University (the “*University*”) and the control and direction of all expenditures from the University’s funds; and

WHEREAS, the University previously issued a “Request for Proposal for Student Housing Development Opportunity at Michigan Technological University in Houghton, Michigan,” dated October 5, 2022, together with certain Addenda thereto (collectively, the “*RFP*”), for the design, construction, financing, operation and maintenance of a new student housing project to be located on the campus of the University, as more particularly described in the RFP (the “*Project*”); and

WHEREAS, following a comprehensive proposal evaluation process and interviews with respondents to the RFP, the University selected RISE Development, LLC (the “*Developer*”) as the preferred developer for the Project, subject to the negotiation and approval of definitive agreements relating to the ownership, development, financing, management, and operation of the Project; and

WHEREAS, the Board approved negotiations of a Pre-Development Agreement related to this project revealed that it was not in the best financial interest of the university to proceed with an arrangement including financing, management, and operation of the housing project;

WHEREAS, the Developer or its affiliates will undertake to design and build the Project under the terms of a design build agreement (the “*Design Build Agreement*”); and

WHEREAS, the total cost of the Project is not to exceed \$62 million.

NOW, THEREFORE, it is resolved by the Board of Trustees of Michigan Technological University as follows:

1. The President and the Chief Financial Officer of the University (each, an “*Authorized Officer*”), or either one of them individually, are authorized to negotiate, execute and deliver, for and on behalf of the Board, the Design Build Agreement, in such form and upon such terms and conditions as shall be approved by an Authorized Officer.

2. The Authorized Officers, or either one of them individually, are further authorized to commence negotiation of any additional agreements to be entered into between the University and the Developer or its affiliates for the completion of the Project; provided, however, that the approval, execution and delivery of such agreements shall be subject to the final approval of the Board if required by Board Policy or legal condition.

3. Any resolutions or parts of resolutions or other proceedings of the Board in conflict herewith are hereby repealed insofar as such conflict exists.

VIII-K. APPROVAL OF BONDS

In support of the campus master plan to augment student housing, and to realize the projected enrollment growth, the Administration has identified the need for additional on-campus housing.

As this East Hall project exceeds the \$5 million threshold for capital additions as stated in Board of Trustees Policy 11.9, the Administration is requesting that the Board approve the financing of this project through the issuance of general revenue bonds, in the amount not to exceed \$72 million.

RECOMMENDATION: That the Board of Trustees approves the East Hall project, and further approves the Resolution Authorizing the Issuance and Delivery of General Revenue Bonds, in an amount not to exceed \$72 million, as presented.

RESOLUTION OF THE BOARD OF TRUSTEES OF
MICHIGAN TECHNOLOGICAL UNIVERSITY
AUTHORIZING THE ISSUANCE AND DELIVERY OF GENERAL REVENUE BONDS
AND PROVIDING FOR OTHER MATTERS RELATING THERETO

WHEREAS, the Board of Trustees of Michigan Technological University, a constitutional body corporate, being the board of control of Michigan Technological University established pursuant to Article VIII, Section 6 of the Michigan Constitution of 1963 (the “Board”), is granted general supervision of Michigan Technological University (the “University”) and the control and direction of all expenditures from the University’s funds; and

WHEREAS, in the exercise of its constitutional duties and in order to properly serve the needs of students attending the University, the Board has determined that it is appropriate and in the best interests of the University to finance the costs of a certain capital project of the University, as described in Exhibit A attached hereto (the “Project”); and

WHEREAS, the Board has previously issued and has outstanding certain series of General Revenue Bonds payable from and secured by a lien on General Revenues (as hereinafter defined) (collectively, the “Prior Bonds”); and

WHEREAS, it may be appropriate and economic to refund all or portions of the outstanding Prior Bonds as shall be determined by an Authorized Officer (as hereinafter defined) (the portions of the Prior Bonds to be refunded, if any, as determined by an Authorized Officer, is referred to herein as the “Bonds to be Refunded”); and

WHEREAS, in the exercise of its constitutional duties, and in order to prudently control and direct expenditures from the University’s funds, the Board determines it is necessary and desirable to authorize the issuance and delivery of General Revenue Bonds of the Board, in one or more series (the “Bonds”), to be payable from and secured by a pledge of General Revenues, in order to provide funds which, together with other available funds, will be used to pay the costs of the Project, to pay all or part of the costs of refunding the Bonds to be Refunded, if any, and to pay costs incidental to the issuance of the Bonds and the refunding; and

WHEREAS, one or more trust indentures (collectively, the “Trust Indenture”) must be entered into by and between the Board and a trustee (the “Trustee”) to be designated by an Authorized Officer, pursuant to which the Bonds will be issued and secured; and

WHEREAS, it is necessary to authorize the Authorized Officers, or either of them individually, to negotiate the sale of the Bonds with one or more underwriters or groups of underwriters to be selected by an Authorized Officer (collectively, the “Underwriter”) or with a direct placement lender to be selected by an Authorized Officer (the “Purchaser”), and to enter into one or more bond purchase agreements and/or continuing covenant agreements or similar agreements with the Underwriter or Purchaser (collectively, the “Bond Purchase Agreement”) setting forth the terms and conditions upon which the Underwriter or Purchaser will agree to purchase the Bonds and the interest rates thereof and the purchase price therefor; and

WHEREAS, in order to be able to market the Bonds at the most opportune time, it is necessary for the Board to authorize the President and the Chief Financial Officer and Senior Vice President for Administration (each an “Authorized Officer”), or either of them individually, to negotiate the terms of and to execute and deliver on behalf of the Board the Trust Indenture, the Bond Purchase Agreement, and other related documents, to establish the specific terms of the Bonds, and to accept the offer of the Underwriter or Purchaser to purchase the Bonds, and to undertake such other actions and make such other determinations on behalf of the Board as authorized hereby, all within the limitations set forth herein; and

WHEREAS, the trust indentures authorizing issuance of the Prior Bonds establish certain conditions for the issuance of additional obligations secured by a pledge of General Revenues on a parity basis with the Prior Bonds; and

WHEREAS, an Authorized Officer shall, on or prior to the date of delivery of the Bonds, certify that the conditions for issuing the Bonds, secured by General Revenues on a parity basis with the Prior Bonds, have been met; and

WHEREAS, the financing of the Project and the refunding of the Bonds to be Refunded, if any, through the issuance of the Bonds will serve proper and appropriate public purposes; and

WHEREAS, the Board has full power under its constitutional authority for supervision of the University, and control and direction of expenditures from the University’s funds, to acquire, construct, furnish and equip the Project, to refund the Bonds to be Refunded, if any, and to pay the costs of the Project and the costs of the refunding by issuance of the Bonds, and to pledge General Revenues for payment of the Bonds.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF MICHIGAN TECHNOLOGICAL UNIVERSITY, AS FOLLOWS:

1. The Board hereby approves the definition of the term “Project” as set forth in Exhibit A attached hereto, and authorizes the Authorized Officers, or either of them individually, to select the portions of the Project to be financed, in whole or in part, from the proceeds of the Bonds, and to fund, as appropriate, the remaining costs of the Project from available funds of the University or other available funds. Subject to the Board’s policies regarding approval of capital projects, either Authorized Officer may subsequently approve additional capital projects of the University and specify that such additional capital projects shall be financed in whole or in part from the proceeds of the Bonds, upon which occurrence such capital projects shall thereupon become components of the Project hereunder. The Board further approves the refunding of all or any portion of the outstanding Prior Bonds, and authorizes the Authorized Officers, or either of them individually, to select the portion of the Prior Bonds, if any, to constitute the Bonds to be Refunded, in order to produce interest or other cost savings or a more favorable debt service structure, or to provide for more favorable terms or covenants, and to fund, if deemed appropriate, a portion of the costs of the refunding from available funds of the University and the balance of such costs from the proceeds of the Bonds, and to proceed with the refunding.

2. The Board hereby authorizes the issuance, execution and delivery of the Bonds of the Board, in one or more series, to be designated GENERAL REVENUE BONDS, with

appropriate series designations, in the aggregate original principal amount to be established by an Authorized Officer, but not to exceed the aggregate principal amount necessary to produce proceeds of SEVENTY-TWO MILLION DOLLARS (\$72,000,000) for the payment of the costs of the Project and the costs of issuance of the Bonds, plus the amount necessary, if any, to accomplish refunding of the Bonds to be Refunded and to pay costs related thereto, as determined by an Authorized Officer. The Bonds shall be dated as of the date or dates established by an Authorized Officer, and shall be issued for the purpose of providing funds which, together with other available funds, will be used to pay the costs of the Project, including, if determined to be appropriate by an Authorized Officer, capitalized interest related to the Project for a period of time specified by an Authorized Officer, to pay all or a portion of the costs of refunding the Bonds to be Refunded, if any, and to pay costs related to the issuance of the Bonds and the refunding, including the costs of bond insurance premiums, if an Authorized Officer determines such insurance to be appropriate. The Bonds shall be serial bonds or term bonds, which may be subject to redemption requirements, or both, as shall be established by an Authorized Officer, but the first maturity or mandatory redemption date shall be no earlier than January 1, 2024 and the last maturity shall be no later than December 31, 2056. The Bonds may be issued as federally tax-exempt bonds or as federally taxable bonds, or any combination thereof, as shall be determined by an Authorized Officer. The Bonds may bear interest at stated fixed rates for the respective maturities thereof as shall be established by an Authorized Officer, but the weighted average yield of the Bonds (computed using the stated coupon and the stated original offering price) shall not exceed 7.0% per annum for tax-exempt bonds and 9.0% per annum for taxable bonds, subject, in the case of Bonds sold to a Purchaser pursuant to a direct purchase arrangement, to adjustments for increased costs of the Purchaser, rating changes and defaults and other specified factors, but in no event in excess of the lesser of 25% per annum, the maximum rate permitted by law or the maximum rate, if any, specified in the Trust Indenture. Alternatively, all or part of the Bonds may bear interest at a variable rate of interest for all or a portion of their term, determined on the basis of an index or a spread to an index or through market procedures, or both, and the variable rate of interest shall not exceed the lesser of 25% per annum, the maximum rate permitted by law or the maximum rate, if any, specified in the Trust Indenture. The Bonds may be subject to redemption or call for purchase prior to maturity at the times and at the prices (which may be expressed as a percentage of the principal amount being redeemed or be based on a “make-whole” formula, or both) as shall be determined by an Authorized Officer. Interest on the Bonds shall be payable at such times as shall be specified by an Authorized Officer. The Bonds shall be issued in fully-registered form in denominations, shall be payable as to principal and interest in the manner, shall be subject to transfer and exchange, and shall be executed and authenticated, and may be issued in book-entry-only form, all as shall be provided in the Trust Indenture. The Bonds shall be sold to the Underwriter or Purchaser for a price to be established by an Authorized Officer (but the Underwriter’s or Purchaser’s discount, exclusive of original issue discount, shall not exceed 1.00% of the principal amount thereof) plus accrued interest, if any, from the dated date of the Bonds to the date of delivery thereof.

Any or all of the Bonds purchased by a Purchaser may be made subject to tender for purchase at the option of the holder thereof or to mandatory tender for purchase. The obligation of the Board to purchase any Bonds subject to tender for purchase may be limited to the remarketing proceeds of such Bonds, or may be made payable from General Revenues (as defined in Section 3 below) or from available cash reserves of the University, subject to such limitations

as may be specified in the Trust Indenture, all as shall be determined by an Authorized Officer and provided for in the Trust Indenture.

In connection with the issuance of any series of the Bonds, either Authorized Officer may, at any time, on behalf of and as the act of the Board, enter into a rate lock, forward delivery or similar agreement or agreements (collectively, the "Rate Lock Agreement") with a counterparty or counterparties selected by an Authorized Officer. Any Rate Lock Agreement may be required to be terminated upon the conditions stated therein, with the possibility of a resulting termination payment due by the Board. Any termination payment owing by the Board under a Rate Lock Agreement may be paid from the proceeds of the Bonds and/or from other available funds of the Board, as determined by an Authorized Officer.

3. The Bonds shall be limited and not general obligations of the Board, payable from and secured by a lien on the General Revenues of the Board (as shall be defined in the Trust Indenture in a manner generally consistent with the definition of General Revenues contained in the trust indentures pursuant to which the Prior Bonds were issued). The lien on General Revenues securing the Bonds shall be on a parity basis with the liens on General Revenues securing the Prior Bonds and other previously issued obligations of the Board secured by a first lien on General Revenues. The Bonds may also be payable from and secured by a lien on moneys, securities or other investments from time to time on deposit in certain funds created pursuant to the Trust Indenture.

No recourse shall be had for the payment of the principal amount of or interest or premium on the Bonds, or for any claim based thereon, against the State of Michigan, or any member or agent of the Board (including, without limitation, any officer or employee of the University), as individuals, either directly or indirectly, nor, except as specifically provided in the Trust Indenture, against the Board, nor shall the Bonds and interest or premium with respect thereto become a lien on or be secured by any property, real, personal or mixed, of the State of Michigan or the Board, other than General Revenues and the moneys, securities or other investments from time to time on deposit in certain funds established as pledged pursuant to the Trust Indenture.

The pledge of General Revenues and of funds specified in the Trust Indenture shall be valid and binding from the date of the issuance and delivery of the Bonds, and all moneys or properties subject thereto that are thereafter received shall immediately be subject to the lien of the pledge without physical delivery or further act. The lien of said pledge shall be valid and binding against all parties (other than the holders of any other bonds, notes or other obligations secured by a parity first lien on General Revenues) having a claim in tort, contract or otherwise against the Board, irrespective of whether such parties have notice of the lien.

4. The right is reserved to issue additional bonds, notes or other obligations payable from General Revenues and secured on a parity or subordinated basis with the Bonds, the Prior Bonds and other obligations of the Board so secured by a lien on General Revenues, upon compliance with the terms and conditions therefor as shall be set forth in the Trust Indenture.

5. Either Authorized Officer is hereby authorized and directed, in the name and on behalf of the Board, and as its corporate act and deed, to select the Trustee and to negotiate the terms of and execute and deliver the Trust Indenture. The Trust Indenture may contain such

covenants on behalf of the Board and terms as either Authorized Officer deems appropriate, including, but not limited to, covenants with respect to the establishment of General Revenues at levels expressed as a percentage of debt service on the Bonds or all General Revenue obligations of the Board, and with respect to the issuance of additional bonds, notes or other obligations payable from and secured by General Revenues. The approval of the Trust Indenture and the terms thereof shall be conclusively evidenced by the execution of the Trust Indenture by an Authorized Officer. In addition, either Authorized Officer is hereby authorized, empowered and directed to negotiate, if deemed appropriate by an Authorized Officer in connection with the issuance of the Bonds, for the acquisition of bond insurance and to execute and deliver an insurance commitment or other documents or instruments required in connection with such insurance.

6. Either Authorized Officer is hereby authorized and directed, in the name and on behalf of the Board and as its corporate act and deed, to select the Underwriter or Purchaser and to negotiate, execute and deliver the Bond Purchase Agreement with the Underwriter or Purchaser setting forth the terms of the Bonds and the sale thereof, and containing such other covenants and agreements of the Board as may be required by the Underwriter or the Purchaser in connection therewith, in the forms as an Authorized Officer may approve, all within the limitations set forth herein.

7. Either Authorized Officer is hereby authorized, empowered and directed, in the name and on behalf of the Board, and as its corporate act and deed, to execute the Bonds by manual or facsimile signature, and to deliver the Bonds to the Underwriter or Purchaser in exchange for the purchase price therefor.

8. Either Authorized Officer is authorized to solicit ratings on the Bonds from any national rating services that the Authorized Officer deems appropriate and, if necessary, to cause the preparation of a Preliminary Official Statement and an Official Statement with respect to each series of the Bonds, to deem such official statements “final” in accordance with applicable law, and to execute and deliver the Official Statements. Either Authorized Officer, or the Underwriter or the University’s financial advisor, as appropriate, is authorized to circulate and use, in accordance with applicable law, the Preliminary Official Statements and the Official Statements in connection with the offering, marketing and sale of the Bonds.

9. Each Authorized Officer, the Secretary to the Board and any other appropriate officer or representative of the Board or the University are each hereby authorized to perform all acts and deeds and to execute and deliver for and on behalf of the Board all instruments and documents required by this Resolution, the Trust Indenture and the Bond Purchase Agreement, or necessary, expedient and proper in connection with the issuance, sale and delivery of the Bonds, as contemplated hereby, including, if deemed appropriate, one or more escrow deposit agreements with an escrow agent to be selected by an Authorized Officer as may be necessary to accomplish the refunding of the Bonds to be Refunded. Either Authorized Officer is authorized to designate and empower the escrow agent to subscribe for United States Treasury Securities – State and Local Government Series, on behalf of the Board, as may be necessary in connection with any refunding authorized hereby. Either Authorized Officer is further authorized to execute and deliver all instruments and documents for and on behalf of the Board or the University, and to take all other actions, required, necessary or appropriate for the ongoing administration or operation of the financing program represented by the Bonds, the Trust Indenture and the Bond Purchase

Agreement. Any action required under the Trust Indenture, the Bond Purchase Agreement or any other instrument related to the Bonds may be taken by and on behalf of the Board by an Authorized Officer. Any reference to an officer of the Board or the University herein shall include any interim or acting officer occupying such position or having been assigned all or a portion of the functions of such position.

10. In accordance with the requirements of Rule 15c2-12 of the United States Securities and Exchange Commission, the Board may be required in connection with the issuance of the Bonds to enter into one or more continuing disclosure undertakings for the benefit of the holders and beneficial owners of the Bonds. Either Authorized Officer is authorized to cause to be prepared and to execute and deliver, on behalf of the Board, the continuing disclosure undertakings.

11. Either Authorized Officer is hereby authorized and delegated the power to execute, on behalf of the Board, one or more declarations of intent to reimburse the University from Bond proceeds for any expenditures with respect to the Project incurred prior to the issuance of the Bonds, and for future projects to be funded with the proceeds of future bond issues, all in accordance with U.S. Treasury Regulation § 1.150-2. Any and all actions of an Authorized Officer previously taken in connection with the execution of such declarations of intent are hereby ratified and confirmed.

12. If deemed necessary by the University's bond counsel, either Authorized Officer is authorized to arrange for the publication of a notice of and to conduct a public hearing with respect to the issuance of the Bonds, all in accordance with requirements of Section 147(f) of the Internal Revenue Code of 1986, as amended.

13. Any resolutions or parts of resolutions or other proceedings of the Board in conflict herewith are hereby repealed insofar as such conflict exists.

EXHIBIT A
THE PROJECT

The Project, as that term is used in the Resolution to which this Exhibit A is attached, consist of the capital project set forth below:

<u>Project</u>	Currently Estimated Costs to be Funded From <u>Bond Proceeds</u> *
1. Construction, furnishing and equipping of a new student housing facility on the University's east campus.	\$62,000,000

*Exclusive of capitalized interest, if any, and bond issuance costs.

I hereby certify that the attached is a true and complete copy of a resolution adopted by the Board of Trustees of Michigan Technological University at a meeting held on August 3, 2023, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with all applicable law, and that the minutes of said meeting were kept and will be or have been made available as required by law.

I further certify as follows:

1. Present at the meeting were the following Board members:

Absent from the meeting were the following Board members:

2. The following members of the Board voted for the adoption of the Resolution:

The following members of the Board voted against adoption of the Resolution:

RESOLUTION DECLARED ADOPTED.

Sarah H. Schulte
Secretary to the Board of Trustees
of Michigan Technological University

VIII-L. APPOINTMENT OF TREASURER

Public Act 70 of 1885 as amended in 1963 states that no member of the Board of Trustees can serve as secretary or treasurer and that the Board elect a secretary and treasurer to serve at their pleasure.

Included here is the nomination for the position of Treasurer.

RECOMMENDATION: That the Board of Trustees appoint Nicholas Stevens as the Treasurer of the Board of Trustees effective Monday, August 7, 2023.

Supporting information

Nicholas W. Stevens was named the Chief Financial Officer and Senior Vice President for Administration on May 22, 2023. Stevens most recently served as the director of budget and financial planning at Michigan Tech from 2019-2023, after advancing through several positions in the budget and planning office. He received his B.S. in Business Administration-Accounting in 2002.

VIII-M. PRESIDENTIAL COMPENSATION

Consistent with the raise pool provided across campus, it is recommended that Dr. Koubek receive a four percent raise to his base salary, retroactive to July 1, 2023.

In addition, in appreciation for Dr. Koubek's exemplary performance, the Board of Trustees awards his full performance bonus of \$50,000 for the 2022-23 academic year.

RECOMMENDATION: That the Board of Trustees awards Dr. Koubek a four percent increase to his base salary and a performance bonus of \$50,000.

IX. Reports

IX-A. Research and restoration of coaster brook trout – a lake superior legacy

Casey Huckins, Interim Department Chair, Biological Sciences

Research and Restoration of Coaster Brook Trout – a Lake Superior Legacy



Casey Huckins
Biological Sciences
Great Lakes Research
Center
MTU

My Lab: Synergy of Learning and Fixing

**Research
&
Education**

Restoration

**Environmental
Problems**

Conservation



Coaster Brook Trout (*Salvelinus fontinalis*)

Defined as:

“brook trout that use Great Lakes for an ecologically significant portion of their development and resource needs“

(Huckins, Baker, Fausch, Leonard. 2008)

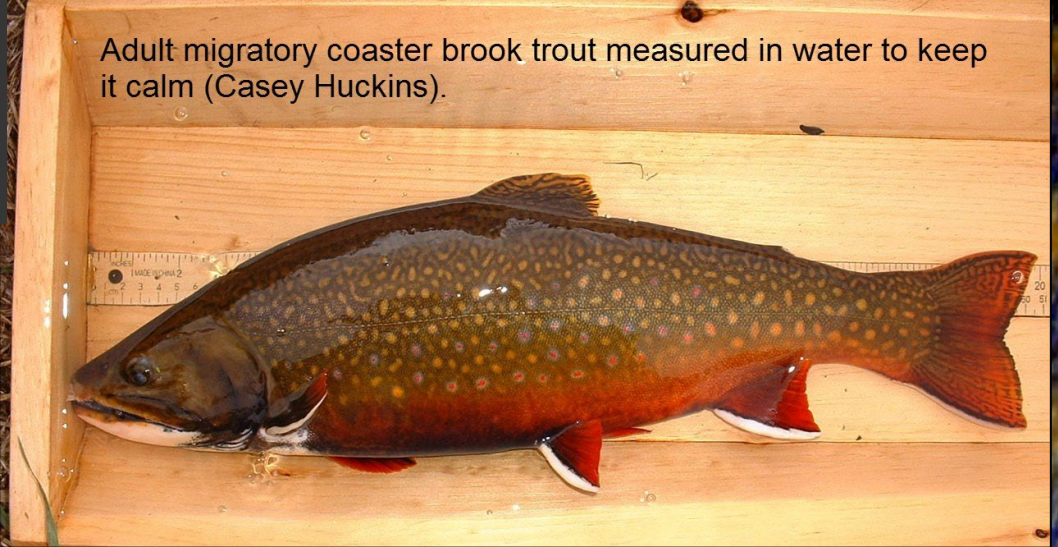


Extensive Brook Trout Life-history Variation

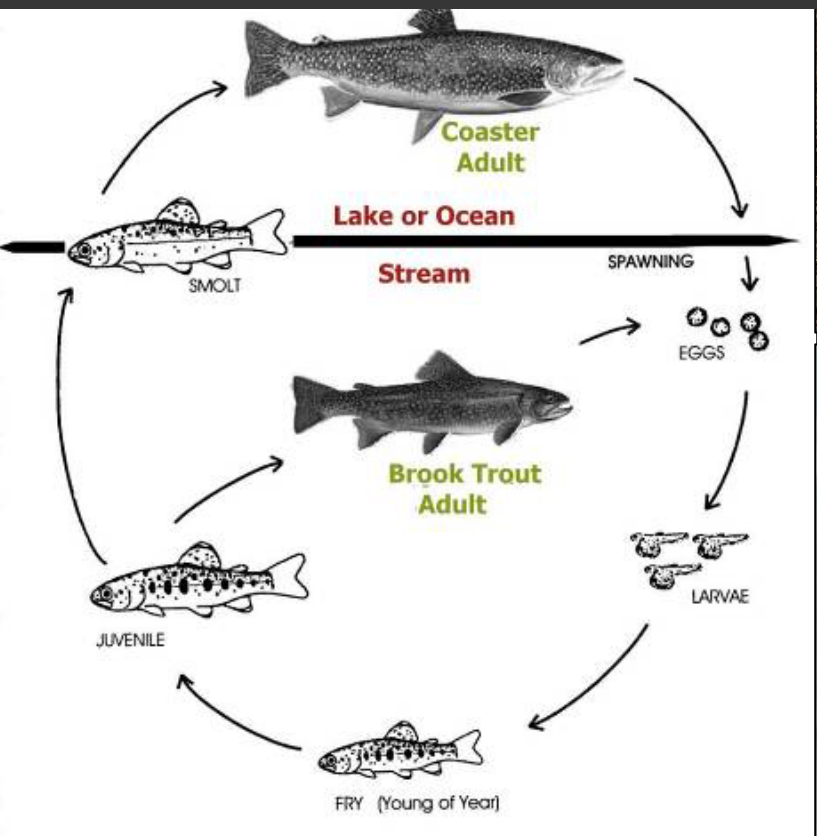
Stream Residents:
live in the rivers

Coasters:
Use lake habitat

20" Coaster Brook Trout
Salmon Trout River, Marquette County



Adult migratory coaster brook trout measured in water to keep it calm (Casey Huckins).



Coaster Brook Trout were once common

(Carl Hubbs 1929) writing about brook trout in the Salmon Trout River near Marquette, Michigan

“these superb trout abounded in the nineties [1890s], when pioneer anglers often reported daily catches of one hundred to three hundred for a small party fishing in the river.”



Lake Superior – destination fishery

1865 — GRAND — 1865

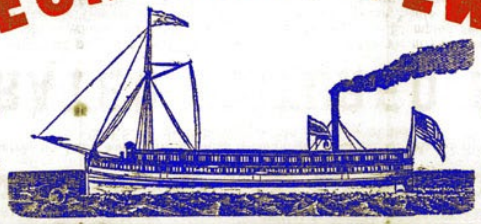
PLEASURE EXCURSIONS —TO— LAKE SUPERIOR

One of the New and Magnificent Upper Cabin

METEOR STEAMERS PEWABIC

Capt. Thos. Wilson,

Will give Excursion Trips
as below:



Capt. Geo. McKay,

Will give Excursion Trips
as below:

Will leave Cleveland, O., at 8 P. M., every **MONDAY.**
Will leave Detroit, Mich., at 2 P. M., every **TUESDAY.**

Visiting all points of Interest on Lake Superior; passing through the beautiful St. Mary's River, with its THOUSAND ISLES, by daylight, and within full view of the

CELEBRATED PICTURED ROCKS!

Touching at Marquette, where exist perfect MOUNTAINS OF IRON, and in the vicinity the new discovery of SILVER LEAD; at Hancock and Houghton, where ample opportunity is given to visit the Stamping Mills of the Quincy, Parsons and Franklin Copper Mines, and the Copper Smelting Works; at Copper Harbor, Eagle Harbor, Eagle River, and Ontonagon—all ports of shipment of the NATIVE COPPER MINES; occasionally going beyond to the Apostle Islands, calling at LaPointe and Bayfield, and through to Superior City or to the North Shore.

CHLORASTOLYTE & AGATE BEACH OF CUPPER HARBOR ON ISLE ROYALE

The Trip altogether forming the most attractive on the American Continent.

Invalids who need Cool, Dry, Bracing and Invigorating Air

Should not fail to visit Lake Superior, and in a short time build themselves up in the PUREST CLIMATE in the World. SPECKLED TROUT FISHING is unequalled—the largest Trout in the World having been caught in Lake Superior. The Trip is, too, the CHEAPEST NOW OFFERED—the fare being only about 3 1/2 cents per mile, which includes Meals and State Rooms. The Boats are New and Clean, Strong and Speedy, officered by sober, prudent and careful men, whose business will be the Comfort and Safety of their Passengers.

Good Music on Board, and every facility for the Passengers to enjoy themselves by Music or Dancing.

Information furnished gratis, and rooms secured by applying, by letter or telegraph, to

**GARRETSON & CO., Cleveland, Ohio,
J. T. WHITING & CO., Detroit, Mich.**

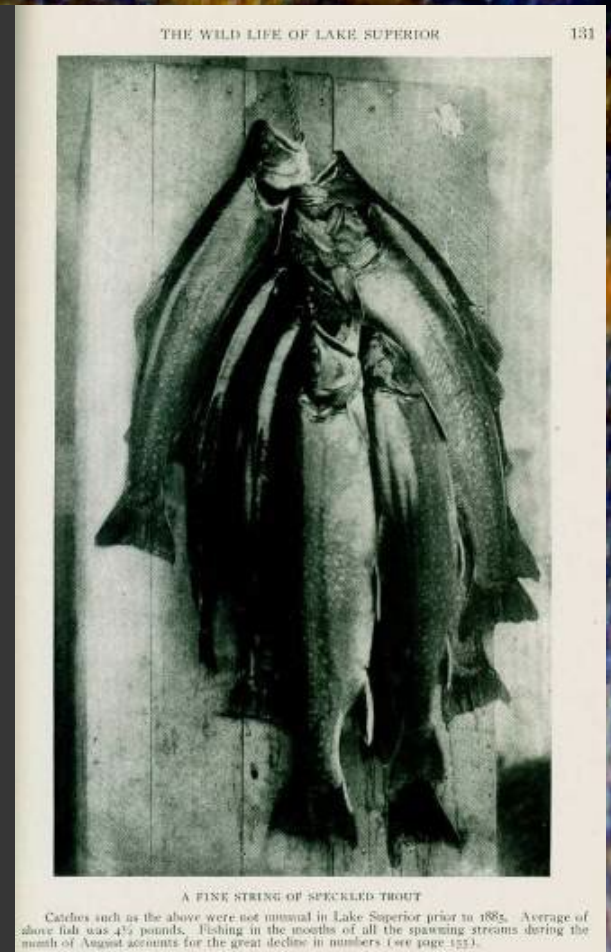
Round trip occupies about ten days. Boats will call at Port Sarnia the evening after leaving Detroit, connecting with the train which leaves New York the previous evening, and Niagara Falls that morning.

“SPECKLED TROUT FISHING is unequalled – The largest Trout in the World having been caught in Lake Superior”

Lake Superior's Early Loss

Roosevelt (1865) *“the waters are somewhat fished out”* around Marquette, MI.

Shiras (1921) *“the trout along the southern shore are approaching extinction, a tragedy assured by the improvident custom of catching the remnant [trout] at the mouths of spawning streams”*



(Shiras, G. 1921)

Salmon Trout River,
Marquette Co. MI



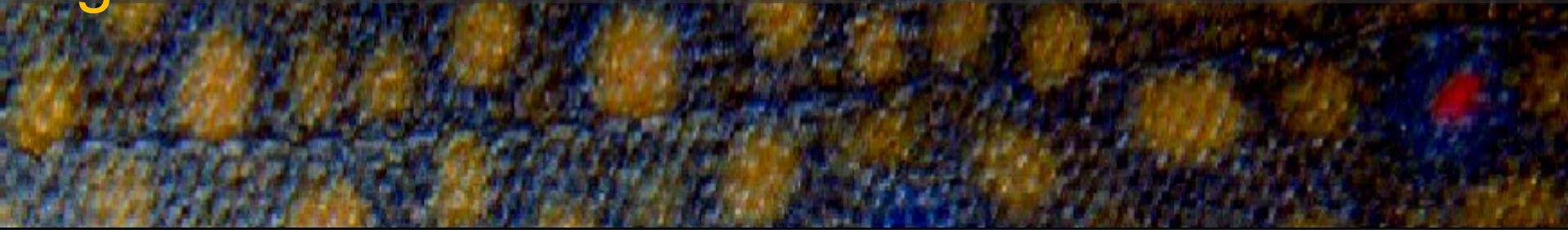
Monitoring adult numbers at spawning sites

- Annual visual double counts



2006

Spawning Habitat = exposed cobbles and gravel
+ groundwater



Questions?



IX-B. Tropical rain forests, drought, hurricanes, and heat, Oh My! The first decade of TRACE

Molly Cavaleri, Interim Associate Dean & Professor CFRES

Tropical rain forests, drought, hurricanes, and heat, Oh My!

The first decade of TRACE



Molly Cavaleri

Professor of Tree Physiology

Interim Associate Dean

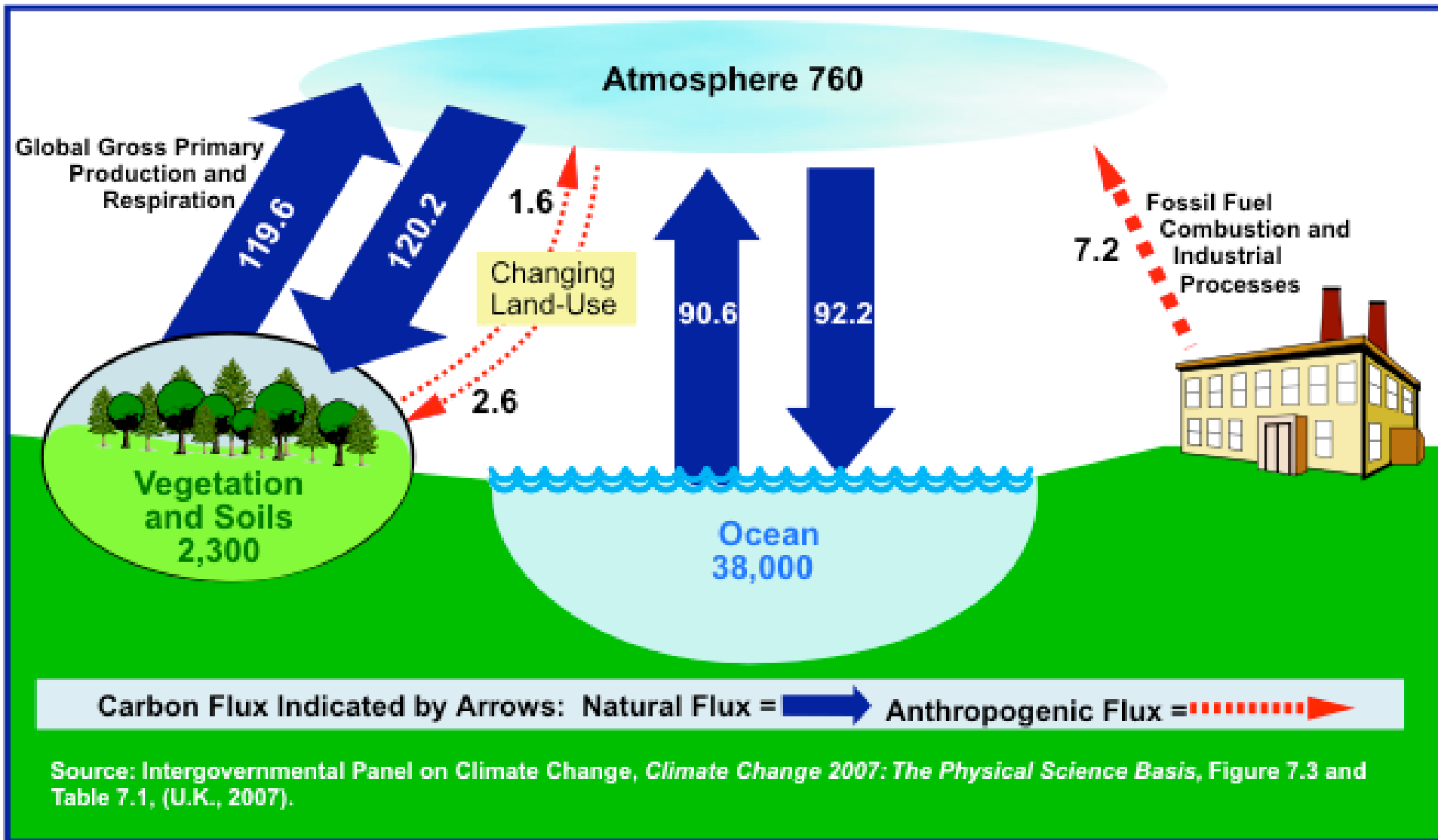
Director of Graduate Studies

College of Forest Resources and Environmental Science



**Michigan
Technological
University**

Terrestrial C cycle feeds back to climate change



Units are Pg C for pools and Pg C/yr for fluxes

Why care about tropical rain forests?

One of many reasons is that tropical rain forests are carbon hotspots!

- ~2/3 live plant terrestrial biomass
- ~25% of soil organic carbon
- Exchange more CO₂, H₂O, and energy with the atmosphere than any other type of ecosystems



Tropical forests have evolved for thousands of years under current climate



Disturbance is a natural part of this history

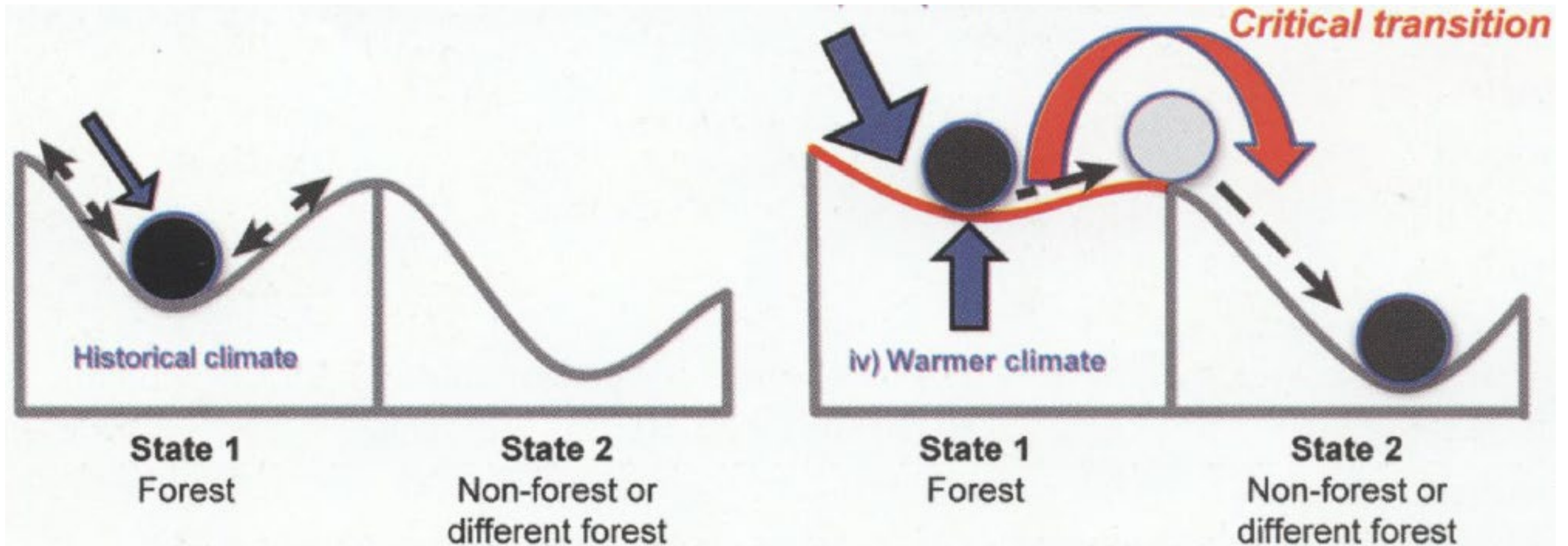


Disturbance is a natural part of this history



How do we assess disturbance effects under new climatic conditions?

How resistant or resilient are tropical forests?



An aerial photograph of a vast, dense tropical forest. The trees are a mix of various shades of green, from bright lime to deep forest green. The canopy is thick and textured. In the center of the image, there is a black rectangular box containing white text.

Will tropical forests continue to demonstrate resilience in the face of combined changes in climate and disturbance regime?

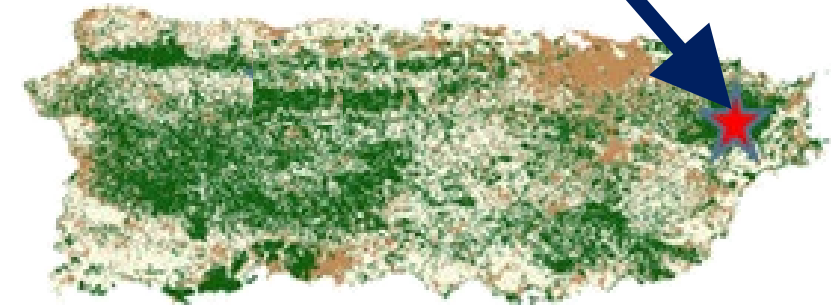
Experiments are valuable tools



forestwarming.org

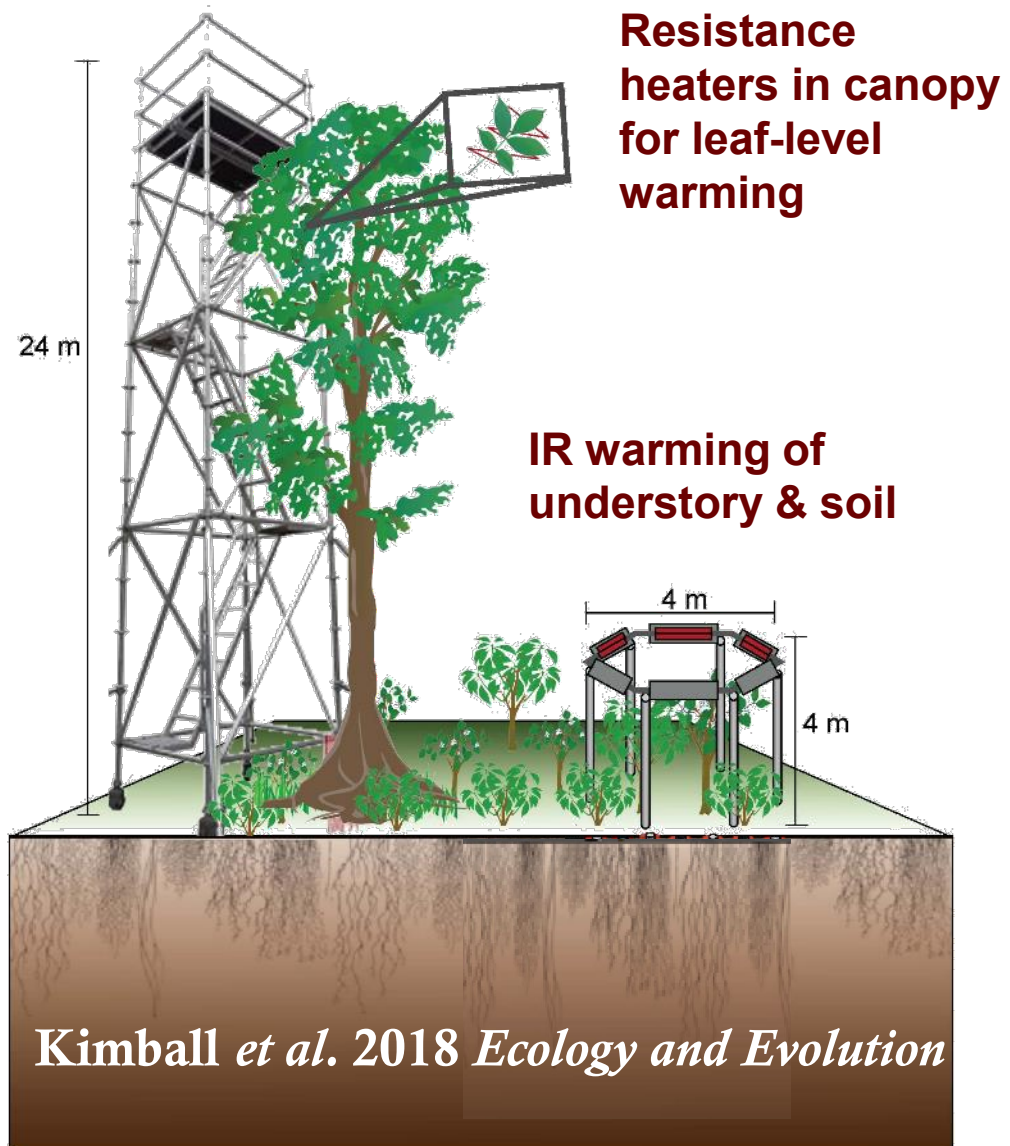
MAT = 25 °C

MAP = 3500 mm



Puerto Rico

Experiments are valuable tools



El Yunque National Forest

- Only tropical rainforest in national forest system
- Same boundary as Luquillo Experimental Forest

Plots & infrastructure established in 2015

Three
Warmed

Three
Control

An aerial photograph of a lush, dense tropical forest. The canopy is thick with various green plants, including palm trees and broad-leafed species. A circular white overlay with a thin grey border is positioned on the right side of the image, containing text. The text is in red for the main heading and black for the bullet points.

**September 2016: began
IR warming treatment**

- **+4 °C ambient**
- **24 hours/day**
- **year-round**

2016
Before



2017
After Irma & Maria





**Before Hurricanes
(Apr 2016)**



**1 mo. Post-
hurricanes
(Oct 2017)**



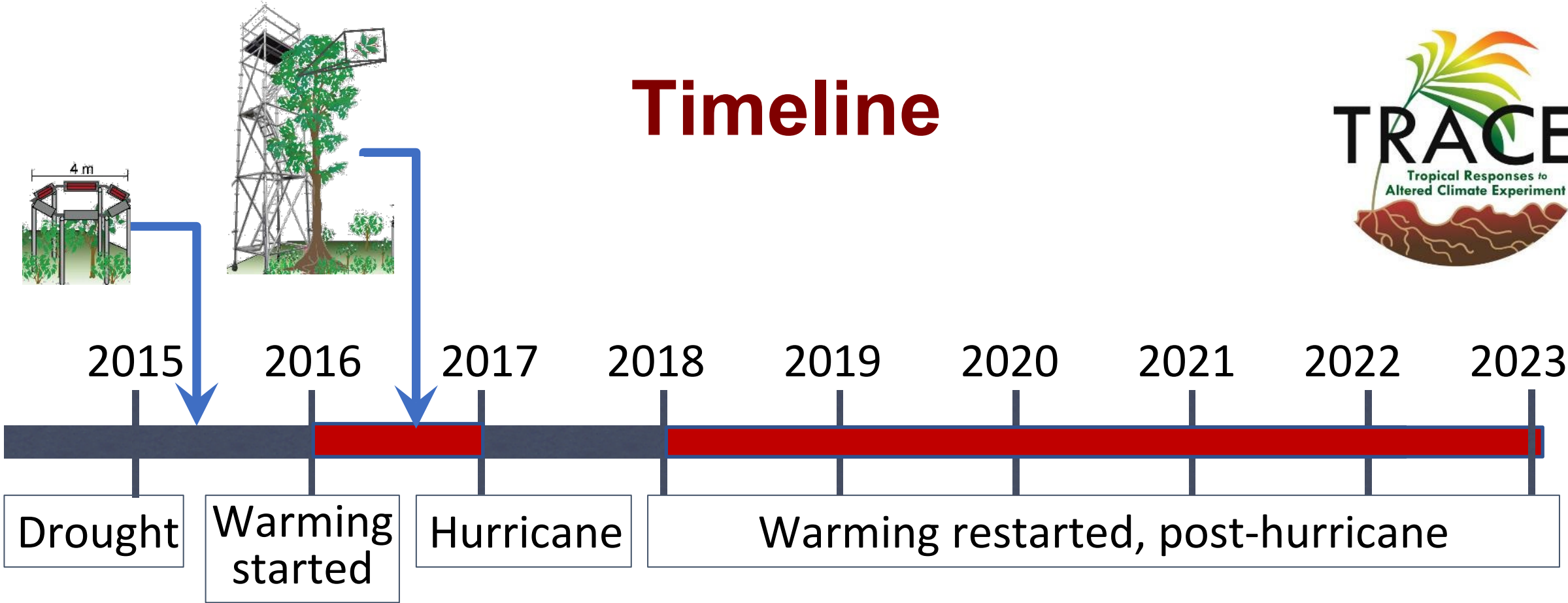
**9 mo. Post-
hurricanes
(Jun 2018)**

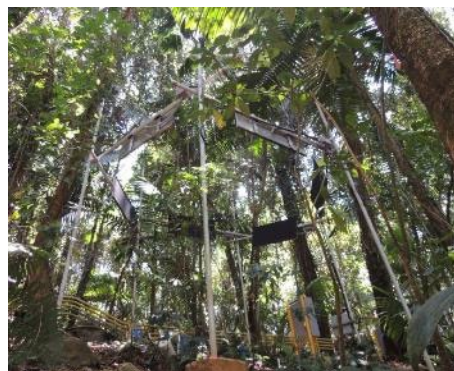
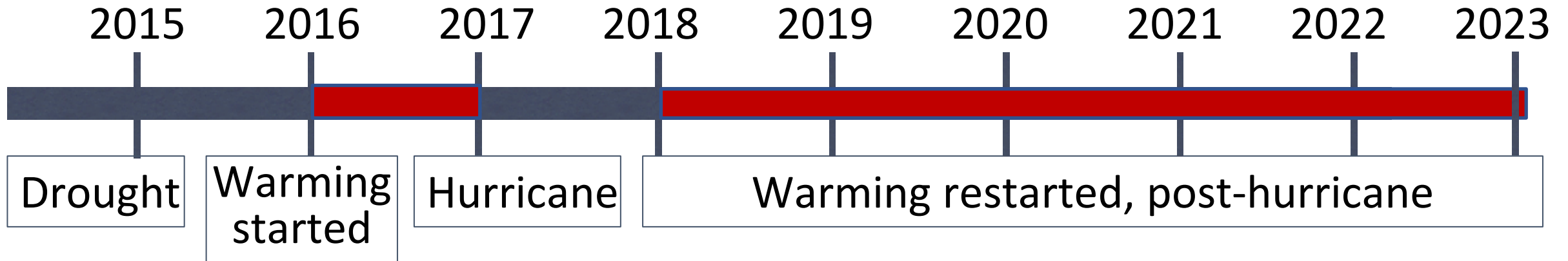
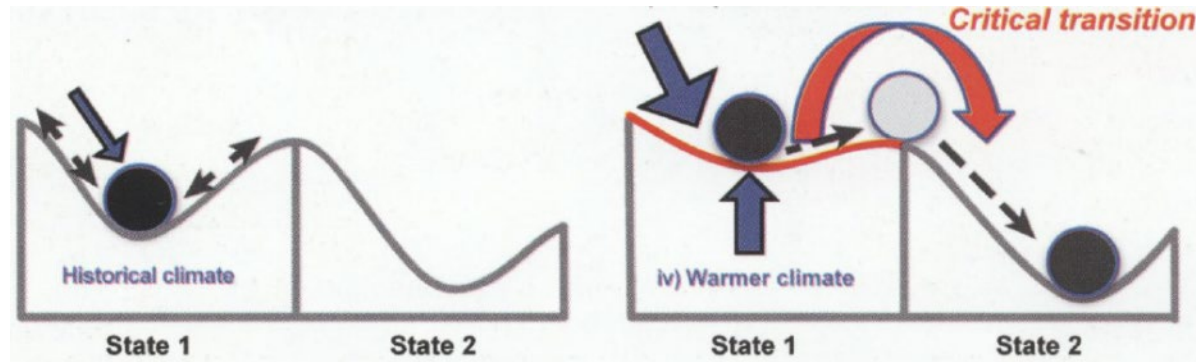
Followed recovery for 1-year



**13 mo. Post-hurricanes
(Oct 2018)**

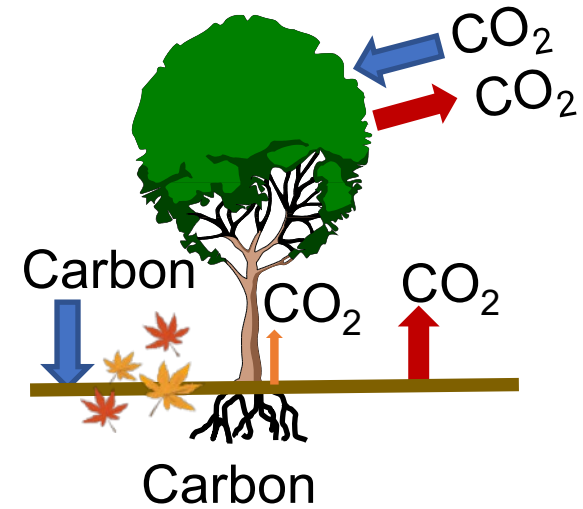
Timeline



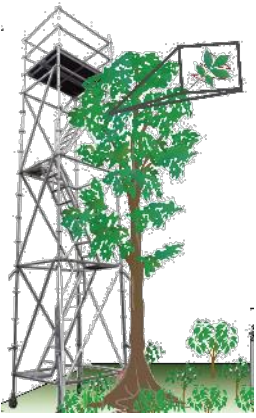


Measuring a wide range of processes

- Photosynthesis
- Plant respiration
- Root dynamics
- Plant community
- Microbial response
- Soil respiration
- Soil C and nutrients

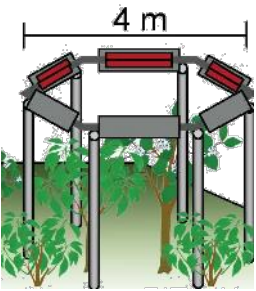


Some highlighted results so far



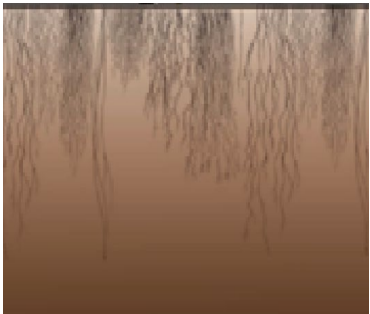
Plant carbon uptake - DECLINING

- **Upper canopy:** lower C uptake with warming (*Carter et al. 2021; Miller et al. 2021*)
- **Understory:** lower C uptake capacity with warming (*Carter et al. 2020*)



Plant communities - STABLE

- **Understory woody plant communities** show resistance to drought, hurricanes, and experimental warming (*Alonso-Rodríguez et al. 2022*)
- **Herbaceous community** responds more strongly to hurricanes than warming (*Kennard et al. 2020*)



Carbon loss from roots and soil - INCREASING

- Warming led to slower root recovery after hurricanes (*Yaffar et al. 2021*)
- Ecosystem-level root respiration reduced under warming (*Tunison et al. In Review*)
- Very high rates of soil respiration in warmed soils (*Wood et al. In Review*)



First field warming experiment to be established in any tropical forest anywhere in the World

Publications: 26 articles, 2 in review

Popular Media: 27 articles

Visitors: 100's/year

Grants: \$5 million (DOE, USFS, NSF, USGS)

Social Media: Instagram, Facebook, Twitter, blog, web page: forestwarming.org



What is the resistance & resilience of tropical forests to change?

Only ecosystem-scale experiment led by all-women PIs



**14 years of collaboration,
Nearly 20 years of friendship**





Safe



Diverse



Inclusive



Fun!

Training ground for next generation of scientists and leaders

6 Undergrad researchers (*3 from MTU*)

4 MS students (*2 from MTU*)

6 PhD students (*2 from MTU*)

2 Postdocs (*1 from MTU*)

17 Collaborative institutions

4 Project managers

6 Technicians

33 Interns (>50% women)

What's Next? Synthesis and MoDEx!

Iterative model-data-experiment approach



U.S. DEPARTMENT OF

ENERGY

Office of
Science

2014 – 1 million to build TRACE

2018 – 1 million to investigate hurricane x warming

2021 – 1 million to begin modeling & synthesis (ELM-FATES)

Use modeling framework to pull threads together to address “big” questions

“Interactive effects of press and pulse disturbances on biogeochemical cycling of a wet tropical forest in Puerto Rico”


Thank you for your kind attention!



www.forestwarming.org

macavale@mtu.edu

[@MollyCavaleri](https://twitter.com/MollyCavaleri) 

[@ForestWarming](https://twitter.com/ForestWarming) 



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IX-C. Rozsa Presentation

Mary Jennings, Director, Rozsa Center for the Performing Arts

ROZSA

Michigan
Technological
University

Jared Anderson, Chair, Department of Visual and Performing Arts

Mary Jennings, Director, Rozsa Center for the Performing Arts

The Rozsa

2000-2023

A unique asset to campus and the community, the Rozsa Center has both changed and remained steadfast in its mission to connect people through the arts over its 23 year history.

A learning laboratory for students

The 2014-15 reorganization resulting in a merge with the Visual and Performing Arts Department has turned the Rozsa into a hands-on learning lab for hundreds of Tech students, annually.

Leader in rural arts presentation

Staff leadership and operational excellence have gained the Rozsa regional, state and national recognition as an innovative leader in the performing arts industry.

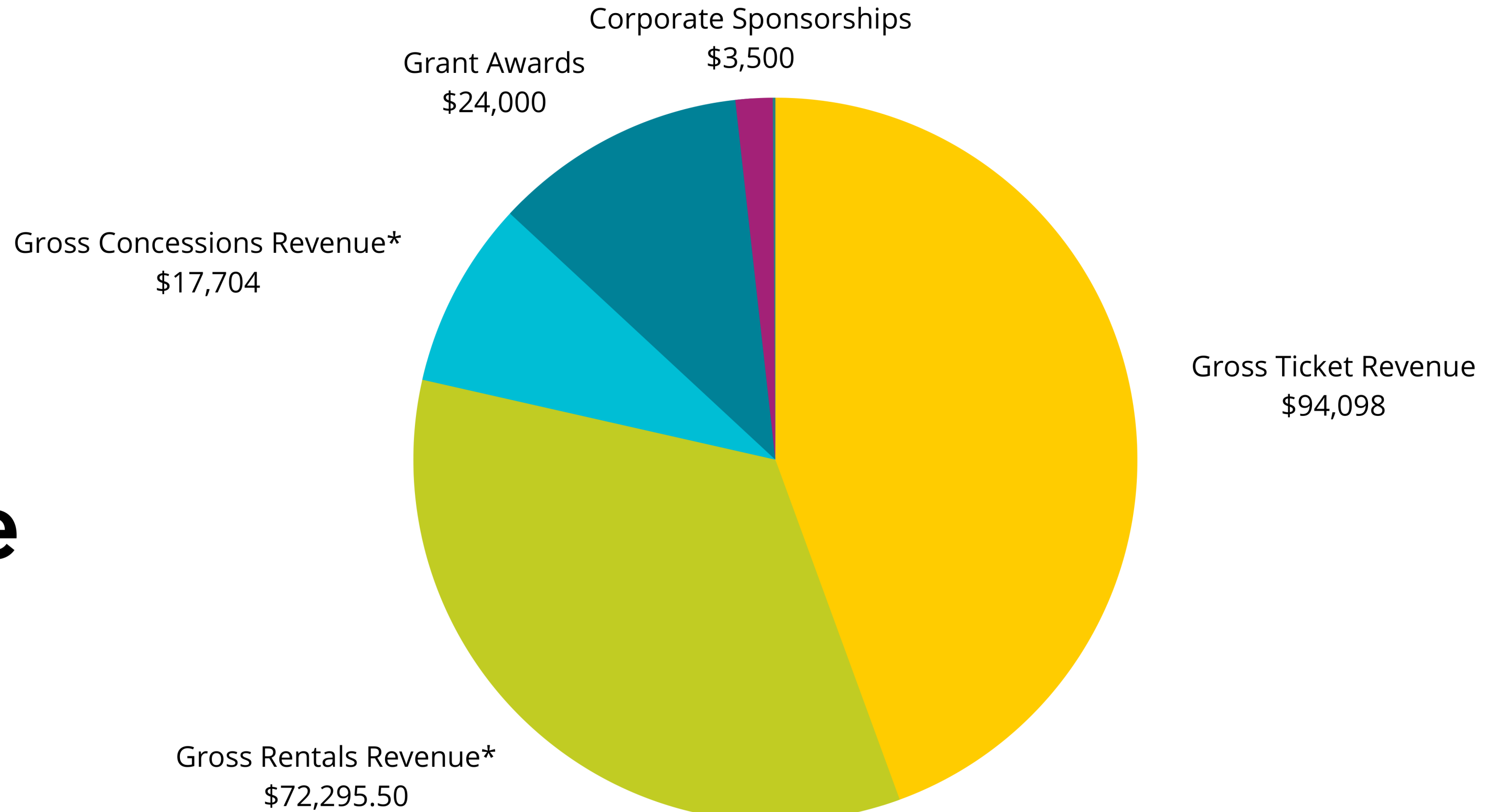
Community & Regional Impact

The Rozsa Center for the Performing Arts is the largest performing arts venue in the Upper Peninsula.

Hosting over 150 events annually, the Rozsa is a valuable campus and community asset, and has dramatically expanded the region's access to a diverse array of professional arts experiences.



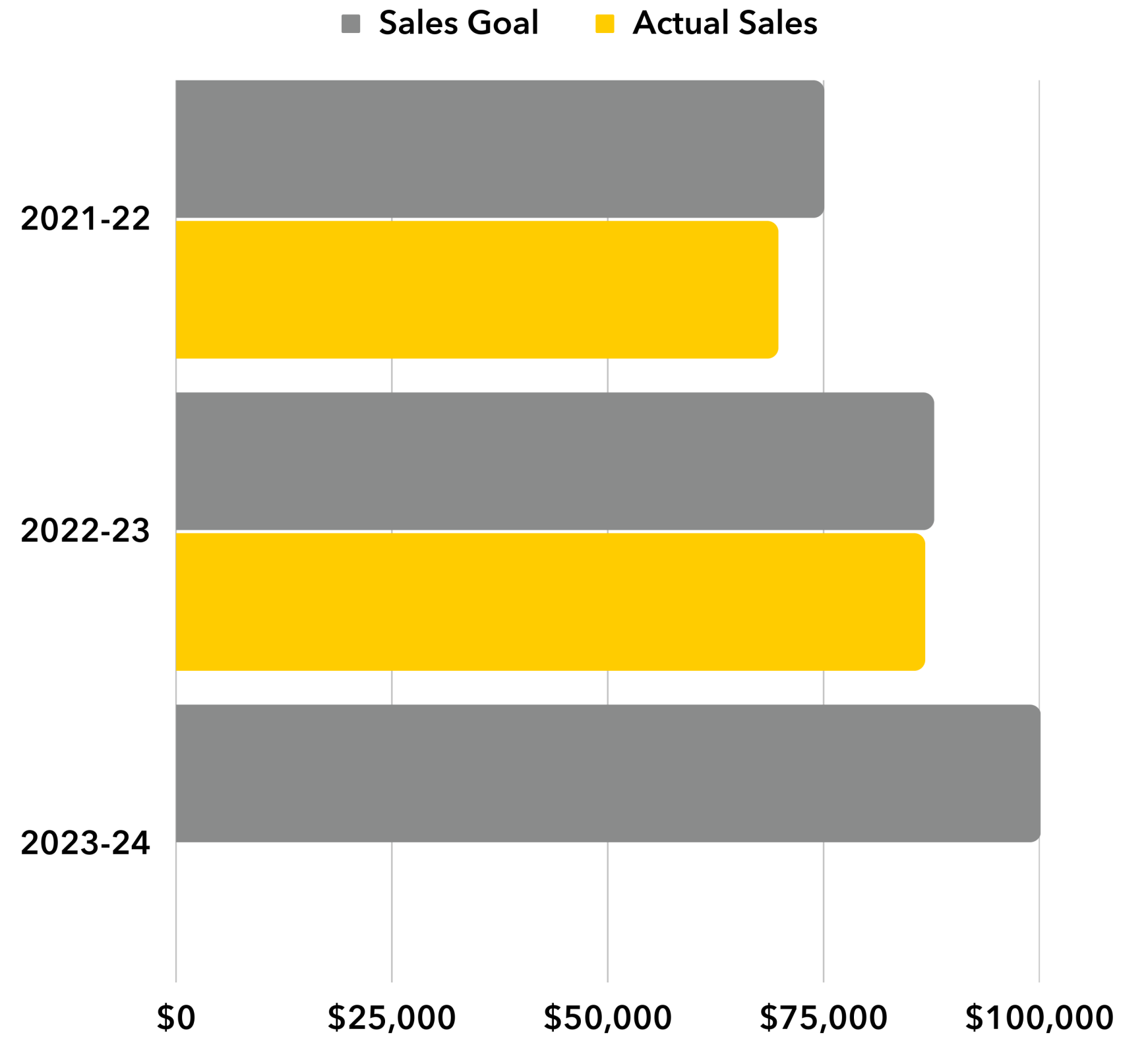
FY23 Earned Revenue



*Current as of May, 2023

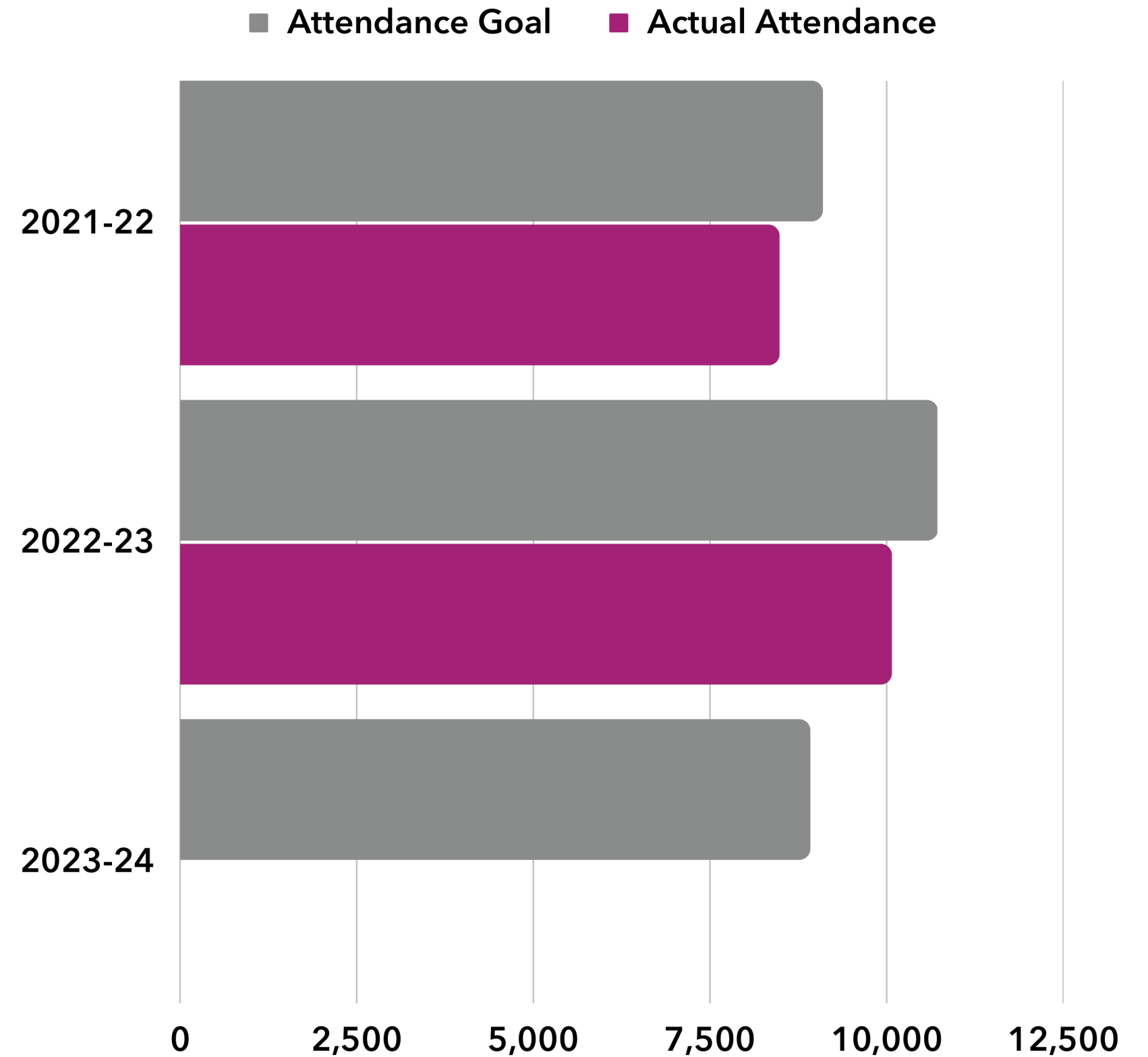
Financial & Attendance Goals

Sales Goals vs. Actual
FY22 & 23 Ticket Revenue



Financial & Attendance Goals

Attendance Goals vs. Actual
FY22 & 23 Attendance



Strategic Goals

Equity & Accessibility

To develop organizational culture, policies, and infrastructure that make the Rozsa a space where all humans feel and are welcome.

Financial Growth

Set a path to a robust corporate and individual donor program and establish annual fundraising events to reinvigorate and grow patron giving.

Sustainability Commitment

Lead the performing arts industry in protecting both the local and global environment by developing sustainable practices.

Brand Development

Develop an intentional brand identity to connect to our community and communicate a consistent and powerful message about the Rozsa across the region.

Strategic Initiative FY23 Highlights



Equity & Accessibility

Donor gift funding construction of 2 ADA-gender neutral bathroom and 1 lactation space in the Rozsa lobby to be completed in Fall 2023.



Financial Growth

Successfully launched first corporate sponsorship campaign with FY23 show HAIRSPRAY; securing 2 corporate sponsors.



Sustainability

Conversion to rack card programs, digital programs, and monthly posters saved approximately 40,000 sheets of paper.

ROZSA | Michigan
Technological
University

2023 · 2024
SEASON
PRESENTING SERIES

2023-24 Season Highlights

Big names in Broadway, comedy and entertainment; the 1st annual Rozsa Soirée fundraiser; Corporate sponsorships; It's going to be a great season.

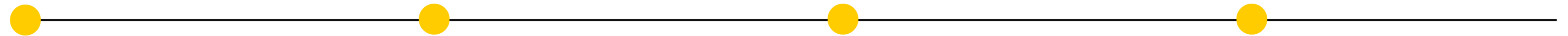
Looking ahead.

Fall 2023

2024

2024-25

2025-26



Dorm Construction

Construction is scheduled to begin in October. Parking, way-finding signage and a patron-facing communication plan are ready to go.

Staff Growth

FY23 saw a record number of events - 183. FY24 is on pace to see at least the same amount of events in our venue. To continue to grow and accommodate more events, we need to bring on additional staff.

Bigger Shows

More Broadway, more family entertainment, more music and comedy, and increased capacity to host more campus and community rentals.

25th Anniversary

Celebrating a major anniversary while setting our sites on what the next 25 years will look like for the arts at Michigan Tech.

Thank You



IX-D. Athletic Accomplishments

Suzanne Sanregret, Vice President for Athletics and Recreation



MICHIGAN TECH
HUSKIES

UPDATES FROM ATHLETICS

2022/23 HIGHLIGHTS

- **HOCKEY**

- NCAA Tournament - 15th time in program history
- Blake Pietila
 - Hobey Baker Top 10
 - AHCA All-American
 - CCHA Player & Goaltender of the Year
- Joe Shawhan - CCHA Coach of the Year
- Kyle Kukkonen - CCHA Freshman of the Year
- Ryland Mosley & Brett Thorne - All-CCHA
- Desert Hockey Classic Champs
- Finished ranked No. 13 in the nation

- **WOMEN'S BASKETBALL**

- NCAA Tournament - 21st Appearance
- Undefeated at the SDC Gym
- Isabella Lenz - All-GLIAC First Team & All-GLIAC Defensive
- Ellie Mackay - All-GLIAC First Team
- Alex Rondorf - All-GLIAC Second Team & All-GLIAC Defensive



NORDIC SKIING

- Anabel Needham
 - NCAA All-American (8th in skate)
 - Academic All-American
 - Skied for Team USA at the U23 World Ski Championships for second straight year
- Qualified a full team to the NCAA for the 4th time in program history
 - teams combined to finish 9th
- Tom Monahan Smith
 - CCSA Women's Coach of the Year - 2nd straight season
- Skylar Patten bronze in 10k skate at US Nationals
- NCAA Central Regional Overall Team Champions
- 10 Huskies were named on the All-CCSA
- 11 All-Region Finishes
- Won 3 of 4 combined CCSA regular season team titles
- Hosted U.S. Cross Country Ski National Championships



202223 HIGHLIGHTS

- **WOMEN'S TENNIS**

- NCAA Tournament - 4th in program history and first in 16 seasons
- Dominika Bobik - First Team
- Grace Eland - Second Team

- **CROSS COUNTRY**

- Men's team had program-best 10th place finish at NCAA Championship
- Clayton Sayen
 - NCAA All-American (best individual finish in Tech history)
 - GLIAC Commissioner's Award
- Drew Kolodge - NCAA All-American
- 4 runners earned All-GLIAC honors

- **TRACK & FIELD**

- Clayton Sayen (1500M) & Jesse Jacobusse (800m) - NCAA Championship
- Clayton Sayen - GLIAC 1500 Champ
- 6 school records broken
- 7 All-GLIAC performers
- Promoted Robert Young to Head Coach



202223 Highlights

- **VOLLEYBALL**

- Carissa Beyer
 - All-GLIAC First Team, GLIAC Commissioner's Award
 - Tech records for digs per set in season and career
- 3 All-GLIAC Selections
- Matt Jennings - NCAA Women's Volleyball National Committee

- **FOOTBALL**

- Celebrated 100 Years with October reunion
- Marc Sippel & Darius Willis - Don Hansen All-America Honorable Mention
- 9 All-GLIAC selections
- 12th straight Miner's Cup win
- Marc Sippel
 - GLIAC Commissioner's Award
 - Second in nation in tackles
- Dan Mettlach named 17th head coach

- **MEN'S BASKETBALL**

- Dan Gherezgher - All-GLIAC Second Team
- GLIAC Tournament Playoff run to Championship Game



2022/23 Highlights

- Great Lakes Invitational
- 100 Year Hockey and 100 Year Football Reunions
- 2022 Hall of Fame Induction
 - Jim Grimes (FB), Tom Kearly (FB), Kevin Luke (MB), Lee Marana (FB), Pat Mikesch (HO), Roger Pekuri (NS/CC), Katie Wysocky (WB)
- Projects and Renovations



202223 Highlights

- Student-Athlete Health and Well-being focus
 - Holistic experience embraced by full department demonstrated by having 70% of coaches and support staff MHFA trained.
 - Collaboration between departments of Sports Medicine and SA Wellness
 - Emphasis on whole-person with programming, education and intervention
 - Education that allows our SAs to make informed decisions regarding their health and well-being while fostering resilience.
 - Ongoing data collection regarding SA substance use to inform prevention and education programming and understand trends
- Student-Athlete Leadership Academy programming continues to be successful.
 - Core values and life skills during all phases of their academic and athletic experience (1st - 4th/5th year).



MICHIGAN TECH ATHLETICS

ONE PERCENT BETTER

PILLARS OF PERFORMANCE



Physical Health

SLEEP
INJURY PREVENTION
NUTRITION
SUBSTANCE USE
REHABILITATION & RECOVERY

Academics

STUDY SKILLS
TIME MANAGEMENT
CREATIVITY
INTEGRITY

Athletics

SPORT SPECIFIC SKILL
PASSION
EXPERIENCES
MENTAL SKILLS

Mental Health

AUTONOMY
COPING SKILLS
RESILIENCE
SELF-AWARENESS
SELF-CARE

Connection

COMMUNICATION
SENSE OF BELONGING
QUALITY OF RELATIONSHIPS

MICHIGAN TECH ATHLETICS

HOW ARE YOU GETTING ONE PERCENT BETTER TODAY?

Improvement happens through small changes over time. Commit to getting one percent better today, and see those results add up.

PICK A PILLAR



Physical Health
Academics
Athletics
Mental Health
Connection

PICK A TOPIC

Sleep, time management, sport specific skill work, self-care, communication, or another behavior you'd like to improve.

SET A GOAL

Today I will work on _____.

PUT IT INTO ACTION!

EVALUATE

Did I follow through on my goal? How can I have a better chance at success and improvement tomorrow?

202223 Highlights

- **ACADEMICS**

- 3.59 student-athlete GPA
- 75% of student-athletes received All-Academic honors
- 45% of student-athletes were on the Dean's list for Spring semester
- 94% Academic Success Rate - Graduation Rate
- 88% Retention Rate for all sports
- All 15 varsity teams have an overall average team GPA above 3.2 and 12 teams are above 3.5
- 3 Academic All-Americans
 - Clayton Sayen - cross country, track & field
 - Anabel Needham - Nordic skiing
 - Dominika Bobik - women's tennis
- 3 GLIAC Commissioner's Awards
 - Clayton Sayen - cross country, track & field
 - Carissa Beyer - volleyball
 - Marc Sippel - football



Blake Pietila



- AHCA All-American
- Hobey Baker Top 10
- Mike Richter Top 3
- CCHA Goaltender of the Year
- All-CCHA First Team
- Tech record for wins (58)
- Tech record for season (10) and career shutouts (20)
- Desert Hockey Classic MVP
- Mechanical Engineering
- 3.26 GPA

Clayton Sayen



- Academic All-American
- NCAA All-American (XC)
- Best NCAA finish in Tech history
- NCAA Track & Field Qualifier
- CIAC Champion - 1500m
- CIAC & School record in 1500m
- CIAC Commissioner's Award
- Hockey Arena Announcer
- Master's in Business Administration
- 3.62 GPA

Anabel Needham



- Academic All-American
- NCAA All-American
- Team USA U23 World Championships
- First Team All-Region
- All-CCSA First Team
- Podium finish in all CCSA races
- Skied at World University Games
- Environmental Engineering
- 3.96 GPA

Outdoor Adventure Program, IM and Recreation

OAP - ~1,500 participants

OAP equipment rentals include Nordic skis, snowshoes, mountain bikes, paddle craft and general camping equipment.

OAP programming includes Wilderness First Responder certification, indoor climbing wall, log rolling, high and low ropes courses, paddling and biking trips.

Intramurals - ~1,200 participations/ 1,715 unique participants

Softball, cornhole, ping pong, badminton, hockey, disk golf, paintball, bocce ball, pickleball, swim meets, spikeball, floor hockey, esports, etc.

Recreation - ~60,000 participants

Michigan Tech students and community youth - Sports camps, clinics, Little Huskies programming, fitness center, pool, shooting range, multi, rowing, yoga, personal training, etc.





MICHIGAN TECH



IX-E. Undergraduate Student Government
Mason Krause, President

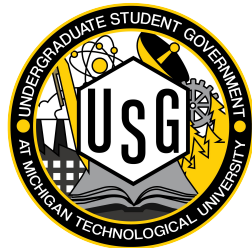
USG Board of Trustees Presentation

Mason Krause, USG President

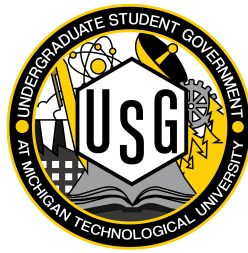
8-2-2023



Michigan
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USG Activities Over the Summer



Reserve Fund Ad Hoc Committee

- Evaluating Ideas for campus improvement projects
 - Little Free Libraries
 - Broomball Scoreboards
 - Rentable event items (tables, chairs, decorations, etc.)

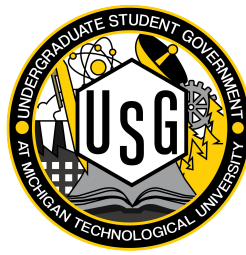
Continued E-Board Meetings

- Discussing vision for the coming semester
- Looking into student concerns such as reduced parking / increased cost
- Continuing to build connections around campus

Other Committee Projects

- Planning Welcome Week and K-Day events!
- Looking into various bylaw amendments
- Continuing to streamline the body barn
- More active social media engagement

Fall 2023 Elections - Timeline

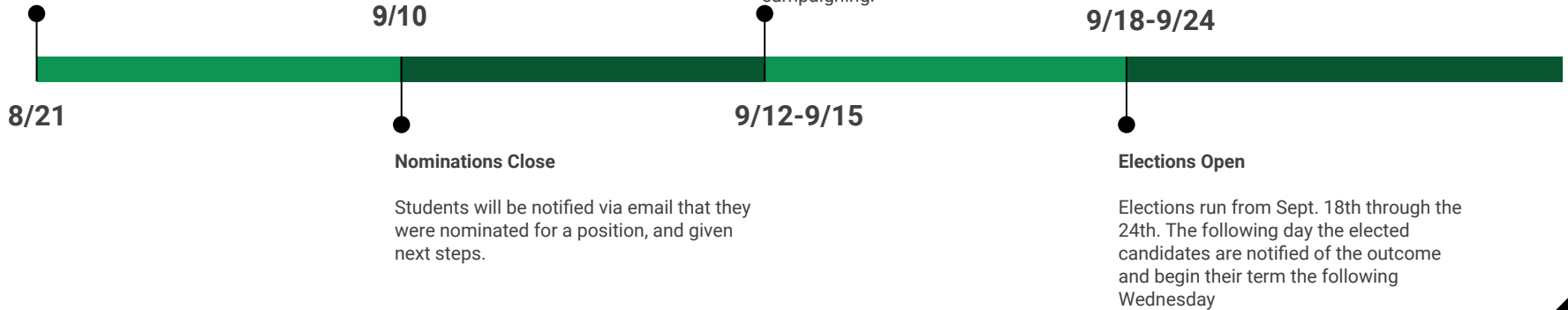


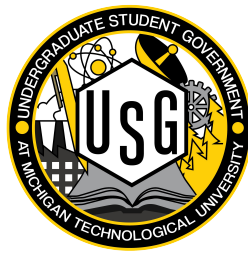
Nominations Open

Opening nominations during O-Week gives us the opportunity to have incoming students nominate themselves and others in person and ask questions.

Election Info Sessions

Students who are nominated and intend to run are required to attend a short info session which details what USG does, what the election looks like, and basic ground rules for campaigning.





Fall Semester Planning

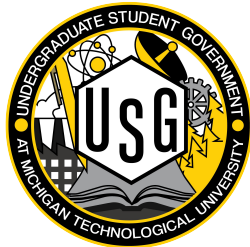
- Look into supporting student organizations that use Husky Motors due to the recent price increases for all rentals.
- Making USG more useful and impactful in students lives. I want to see “Sponsored by USG” on helpful things all over the place.
- Examining the current cost of the Student Activity Fee

Thank you! Questions or Comments?

Mason Krause
mrkrause@mtu.edu
usg-president@mtu.edu



**Michigan
Technological
University**



IX-F. Graduate Student Government
Karlee Westrem, President



Presentation to
BOARD OF TRUSTEES

Karlee Westrem

GRADUATE STUDENT GOVERNMENT

AUGUST 3, 2023



GSG SUMMER SOFTBALL LEAGUE

**8 Teams
145 Players**

**Championship
& End of
Season Picnic
July 29th**





GSG SOCIAL EVENTS

**Hiking
Hungarian Falls**

**Kayaking
with OAP**

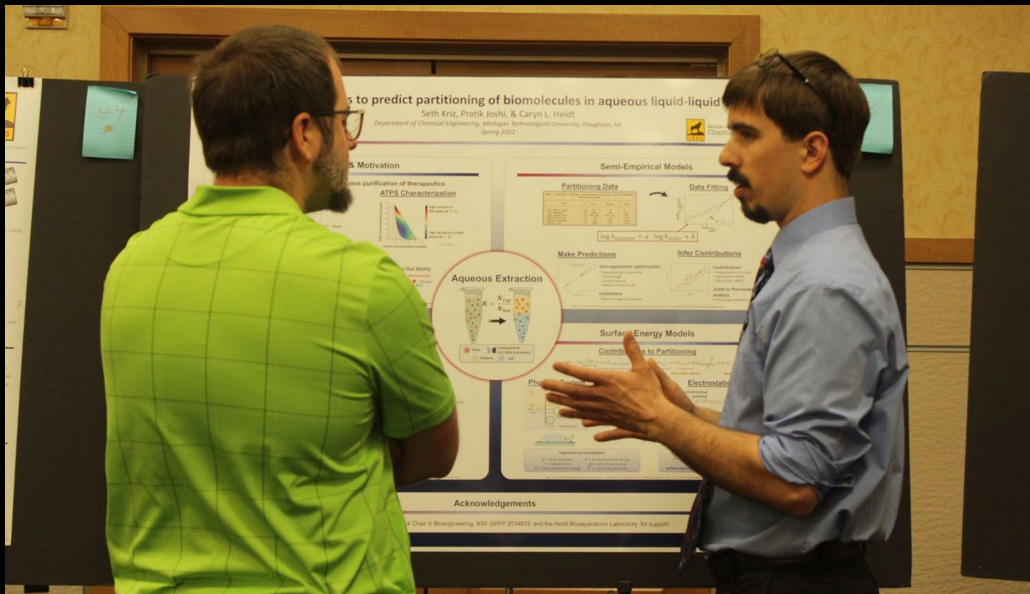
August 12th





GSG ACADEMIC EVENTS

Alumni Reunion Poster Session



FRIDAY, AUGUST 4TH | 9:30 AM
Alumni Lounge, Memorial Union Building

SUMMER PROGRAMMING WORKSHOP



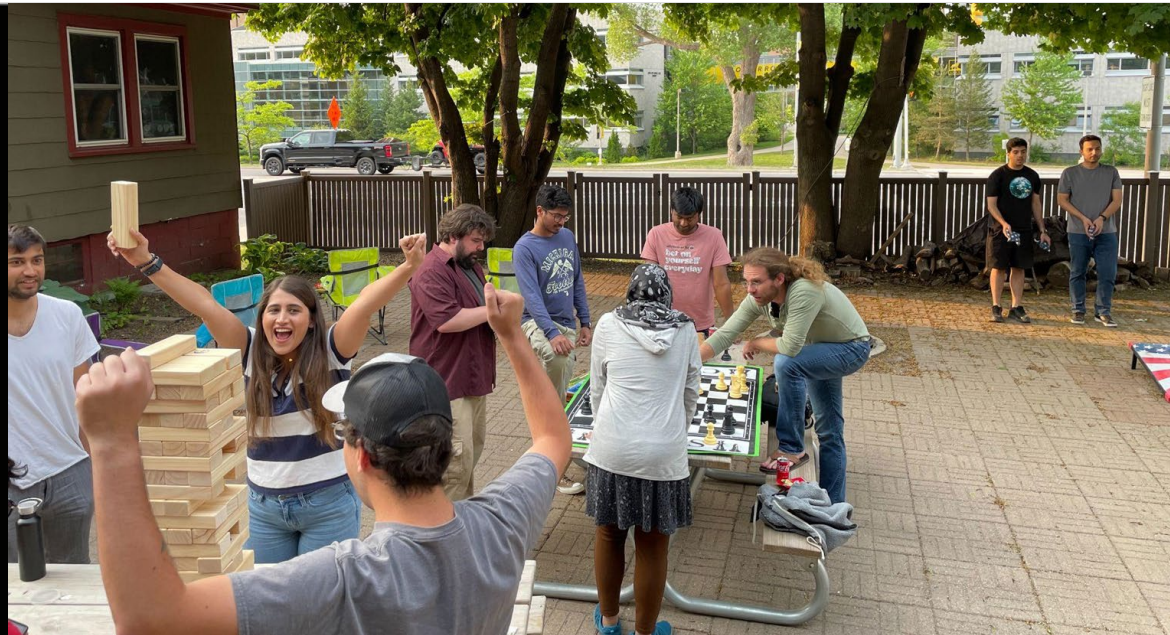
Python, C++, MATLAB, R



GRAD COMMONS

May 1, 2022-July 1, 2023

**1,576 swipes*
246 unique students
~20% of graduate
student population**



Monthly Game Nights

**Coffee Chats
Every Friday
10-11am**

**Guests from various
department on campus
are invited each week.**



TRAVEL AND CAREER ENRICHMENT GRANT

Testimonies from graduate students:

I was invited to speak in a special session sponsored by members of my research community. I was able to present a collaborative project to the community and network with a variety of individuals in my research community. Additionally I was able to connect with a few MTU alumni from my graduate program.”

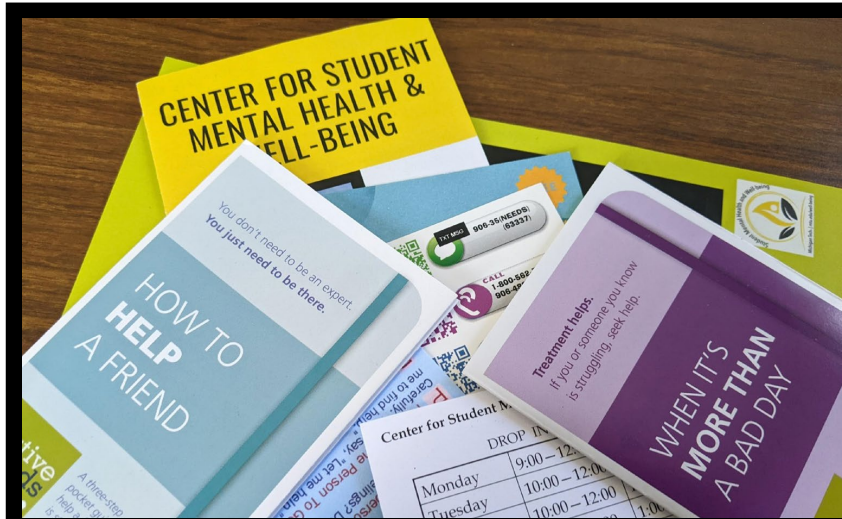
It was my first international conference, which felt like a huge achievement for me. I enjoyed having conversations with attendees that were interested in my research (poster). I mostly met with industry experts in my field that offered a tremendous amount of insight into what a job in health care might look like. I was able to attend workshops and talks that provided different perspectives on health care and what the FDA looks for when approving medical devices.

I am so happy I made that decision as a master’s degree student. I won the best paper award which is the biggest milestone for what I want to focus my research on in machine learning and artificial intelligence in business. I got to network with professionals from both the public and private sector. The Michigan Technological University official representatives were supportive of this journey and saw its success. If given a change I would do it again and encourage others to take on such opportunities as it exposed me to greater knowledge I never knew I needed.

#32 Travel Grant

#1 Career Enrichment

ADVOCACY AND INITIATIVES



Wellness packets



gsg.mtu.edu

- Affordability
- Transportation
- Advisor -advisee relationship
- Grad student - sense of belonging and wellbeing
- Accessibility & awareness of resources



THANK YOU



IX-E. UNIVERSITY SENATE
Robert Hutchinson, President

University Senate Fall Preview

Robert Hutchinson, Senate President

August 3, 2023



Michigan Tech

Senate Term 2022-2023: Highlights

- Approved 6 new degree or certificate programs (including a BS in Nursing)
- Approved a proposal to Revise General Education Requirements (Essential Education) for Bachelor Degrees
- Elected new Senate leadership for the 23-24 academic year
- 40 Numbered Proposals/Resolutions/Charters total



Pending Business from Spring 2023

- 19-23: Amending Constitution and Bylaws to Combine Voting Blocks
- 29-23: Proposal for a Bachelor's of Science Degree in Environmental Data Science
- 35-23: Proposal to Raise Awareness and Reduce Mental Health Stigma

Agenda Items for the Coming Year

- Continue working on Search Procedures for and Evaluation Procedures of Department Chairs and School Deans
- Conduct referenda to approve changes to the Senate Constitution and Appendix I of the faculty handbook in relation to joint appointment procedures
- Continue working to increase staff participation within the Senate
- Preparing to transition to daytime meetings for the 24-25 academic year



X. Informational Items

A. Proposed 2024 Meeting Dates

At the August meeting of the Board of Trustees dates are generally set for next year's meetings. In order for members to check their calendars, the tentative dates are presented. If there is a conflict with any of these dates, members are asked to please notify the Board Secretary.

Retreat

Wednesday, February 21, 2024 (half day)

Thursday, February 22, 2024

Formal Session

Friday, February 23, 2024

Friday, April 26, 2024

Thursday, August 1, 2024

Friday, October 11, 2024

Friday, December 13, 2024

B. Board of Trustees Policy 8.3 - Board Waiver of Certain Fees

The Vice President for Student Affairs, in special circumstances, is authorized to waive student fees related to admission, registration, continuing enrollment deposit, and the enrollment process. Such waivers shall be reported to the Board annually.

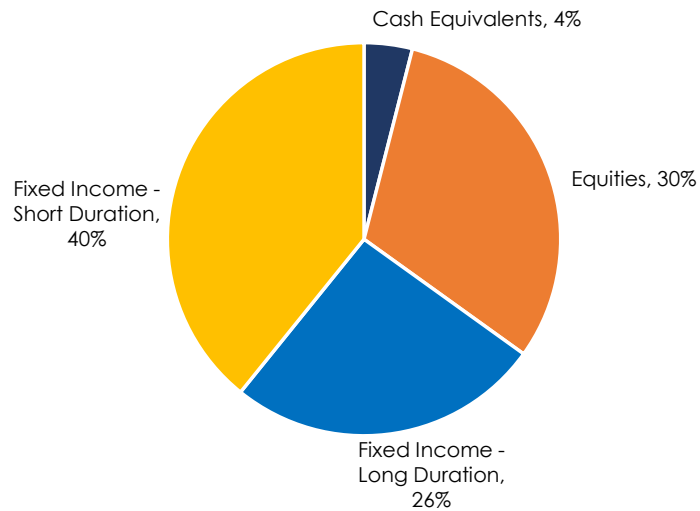
In FY 22-23, Michigan Technological University did not authorize the waivers of fees for admissions, registration, continuing enrollment deposit, and the enrollment process.

C. Analysis of Investments

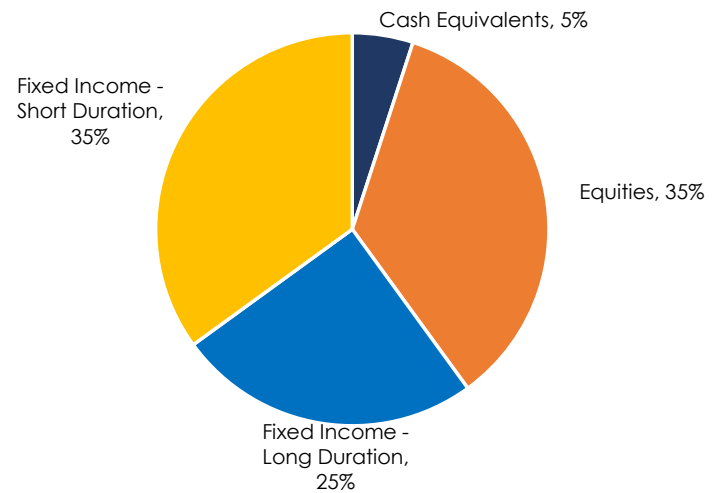
**MICHIGAN TECH UNIVERSITY
INVESTMENT PORTFOLIO
JUNE 30, 2022 THROUGH JUNE 30, 2023**

	Market Value 6/30/2022	Market Value 6/30/2023	Fiscal-Year Investment Return	Benchmark Return	Benchmark
Money Market Fund	\$ 2,094,114	\$ 1,706,318	3.74%	3.73%	<i>ICE BofA Merrill Lynch US T-Bill Index</i>
Equity Funds:					
Core Equity Fund	8,446,297	7,818,944	18.59%	19.59%	<i>S&P 500</i>
Commonfund Strategic Solutions Equity Fund	6,476,270	5,485,594	9.96%	19.59%	<i>S&P 500</i>
Total Equity Funds	<u>14,922,567</u>	<u>13,304,538</u>			
Fixed Income Funds:					
Intermediate Term Fund	9,410,365	7,252,185	0.76%	0.12%	<i>ICE BofA Merrill Lynch 1-3 Yr Treasury</i>
Commonfund Contingent Asset Portfolio	9,384,710	9,594,832	1.65%	0.12%	<i>ICE BofA Merrill Lynch 1-3 Yr Treasury</i>
High Quality Bond Fund	5,650,449	5,230,205	-0.80%	-0.94%	<i>Bloomberg Barclays US Aggregate Bond Index</i>
Multi-Strategy Bond Fund	5,649,010	5,899,333	-0.92%	-0.94%	<i>Bloomberg Barclays US Aggregate Bond Index</i>
Total Fixed Income Funds	<u>30,094,534</u>	<u>27,976,555</u>			
Total	<u>\$ 47,111,215</u>	<u>\$ 42,987,411</u>	<u>4.91%</u>		

Current Asset Allocation



Target Asset Allocation



D. Advancement & Alumni Relations

Advancement and Alumni Engagement Narrative
Michigan Tech Board of Trustees
August 3, 2023

2022-2023 Goals and Initiatives to be achieved in collaboration with administrative and academic leadership and the Michigan Tech Fund Board of Directors.

Highlights and progress over the past year:

- Goal: Initiate Campaign Leadership Phase. Outcome: Completed the strategic planning, acceleration and organizations phases of the capital campaign. We are now in the Leadership and Major gifts phase of the campaign.
- Goal: Prepare campaign materials including: Case for Support, Campaign View Book, Gift Recognition plan and other materials. Outcome: An outstanding case statement was created with the help and coordination from staff and input from alumni.
- Goal: Develop a comprehensive volunteer management strategy. Outcome: We are re-engaging at a much higher level with our volunteers at the institution including establishing a campaign executive committee.
- Goal: Launch our Days of Giving. Outcome: Exceeded our goal “Give Back to the Pack” challenge raised \$1,289,142 from 1,243 gifts from alumni, friends, faculty, staff and students.
- Goal: Host multiple regional events preparing for the Leadership phase of our campaign. Outcome: Launched the inaugural Traveling Tech Talk, hosted 100 alumni events, grew the number of alumni hosted admissions events, and hosted friends and alumni at hockey and football games to cheer on our Huskies.
- Goal: Ensure Donor integrity and intention in every aspect of our business. Outcome: Donor integrity is a variable that is constantly evaluated and assessed. Completed review of awards from endowed funds and gift designations.
- Goal: Add \$3 million cash to the endowment. Outcome: Added over \$5.6 million to the endowment.

FY23 MTF Working Goals

- Donors First- integrity and intention in every aspect of our business
- Move into Campaign Execution Phase
- Review of the MTF Investment Policy
- Consider alternative asset classes
- Enhance cash flow management
- Leverage New Governance Committee

Highlights

- Raised \$44,850,256 million to date, 107% of the \$41.77 million goal (as of June 30, 2023)
- \$61,440,150 million in outstanding asks from individuals
- Campaign:
 - Hosted Campaign Executive Committee Meetings
- Organizational
 - New hires:
 - Assistant Director of Alumni Engagement, Philanthropic Programming
 - Vacant positions:
 - Director for Charitable Giving
 - Director for Charitable Giving

- Director for Foundation Relations
 - Administrative Assistant, Advancement and Gift Planning
- Hosted and attended executive corporate visits and alumni events in lower Michigan
- Received copper specimen donation for Alumni Way Arch
- Hosted Traveling Tech Talks and alumni meetings, Milwaukee, WI
- Co-hosted A.E. Seaman Mineral Museum tour and alumni social
- Increased the number of alumni hosted admissions events

Fundraising totals as of June 30, 2023

- \$15,149,500 in planned gifts
- \$3,185,978 in realized planned gifts
- \$6,147,794 in major outright gifts and pledges
- \$2,741,922 in annual gifts under \$10,000
- \$3,182,824 in corporate support
- \$1,318,742 in foundation gifts
- 66 illustrations, proposals, and gift agreements were provided for donors
- 54 executed gift agreements

Principal Giving

FY24/FY25 Pending Gifts:

- We are working with a College of Business, a College of Engineering alum on a 7 figure gift estate gift, for food insecurities on campus, to benefit the College of Forest Resources and Environmental Science and/or Husky Child Care initiatives, and a commitment of active mineral interests which will have an annual cash flow at the 6 figure level.
- Working to finalize the documentation of an \$8+ mm estate gift in conjunction with the Dean of the College of Sciences and Arts. This will be for scholarships for the College of Sciences and Arts, with an emphasis on Physics, Chemistry and Mathematics.
- In conjunction with the Chair of Civil, Environmental, and Geospatial Engineering, we are working with a donor on a \$2 mm estate gift with outright annual funding at the endowment payout level. This would be for a combination of an endowed faculty position and scholarship fund.
- We are in discussions with a College of Business alum and their spouse for a gift to the Center for Convergence and Innovation Building.
- We are working with an alum and their spouse to finalize a \$500k gift to the football program. Their interest is to support the University with a total \$5 million commitment during the campaign.

Advancement and Gift Planning

- Advancement Services is leading the transition to a new Customer Relationship Management (CRM) System - Ellucian CRM Advance. It will go live on the campus of Michigan Tech at the end of August.
- Advancement Services will be working to re-envision donor stewardship.
- Annual Giving closed out the fiscal year at 119% goal or \$2.7 million raised with over 1,000 new donors.
- After reviewing best practices and seeking feedback from several major gift level donors, the major gifts and gift planning areas names have been changed to charitable giving and charitable gift planning, respectively.

- Deans and Campus Units' collaborative meetings for August will be focused on transitioning new interim dean fundraising plans for FY24. Advancement staff are coordinating strategic donor work for deans and faculty. Developed a multi-channel and comprehensive Advancement plan in support of the Nursing major.
- Charitable Gift Planning staff have deployed 43,860 surveys to our alumni and friends helping us assess their attitudes and priorities for giving to Michigan Tech.
- The frontline fundraising team's future travel for donor engagement and asks is scheduled through January 2024.
- Market Development worked with each frontline fundraiser to review and update pending proposals to 1) accurately report gift expectancies during the campaign; and 2) provide clean data migration to the new CRM platform. There are currently 181 outstanding asks of \$25,000 or more totaling \$61.4 million.
- During the first half of FY23, the Corporate and Foundation Relations (CFR) team managed the Career Services department through a leadership transition, in the process delivering the largest Career Fair in university history, with 374 companies in attendance. CFR closed out FY23 securing the largest sum total of corporate philanthropy in over 10 years, raising \$3.18 million from 570 gifts. Additionally, 222 gifts totaling \$1.31 million were secured in foundation support.
- Looking to FY24, CFR already has several multi-million dollar proposals in the pipeline, both in corporate and foundation philanthropic asks delivered.
- To provide better service to donors, Michigan Tech Fund Gift Processing was moved from Financial Services and Operations to Advancement. This added a new member to our team and is providing additional opportunities for our unit to connect with donors and enhance stewardship.
- Working with Corporate Relations, the processes for campus units to communicate pending unrestricted gifts and receipt of gifts-in-kind were reviewed by Gift Administration staff and communicated to campus via Tech Today. Feedback from campus units was received and incorporated to improve these processes.

Alumni Engagement

- Events
 - In FY23, AE professional staff hosted more than 90 alumni [events](#) - both locally and mainly, regionally across the country. This far exceeds benchmark institutions, who we learned with a similar-sized AE staff hosted 12 (Northern) - 60 (School of Mines) alumni events this year.
 - [Reunion 2023: August 3-5](#)
 - This year's schedule included beloved traditions, enhanced outdoor options, and new formats for historical events we've brought back.
- Volunteerism
 - Nominations are now open for new members to join the Alumni Board of Directors through December 1, 2023.
 - [Time & Talent](#) continues to build an alumni roster, and will host a cohort of 4-8 alumni the weeks of October 2 and October 9 this fall semester.
- Communications
 - The AE team continues to work together on stronger, more intentional strategy around all pieces of communication: monthly newsletters, social media, webpages, event promotion, targeting segments more thoughtfully, mass text messaging, etc.
- Special projects
 - The AE team will be hosting a [PCA Induction Ceremony](#) & Meetings September 14-15.

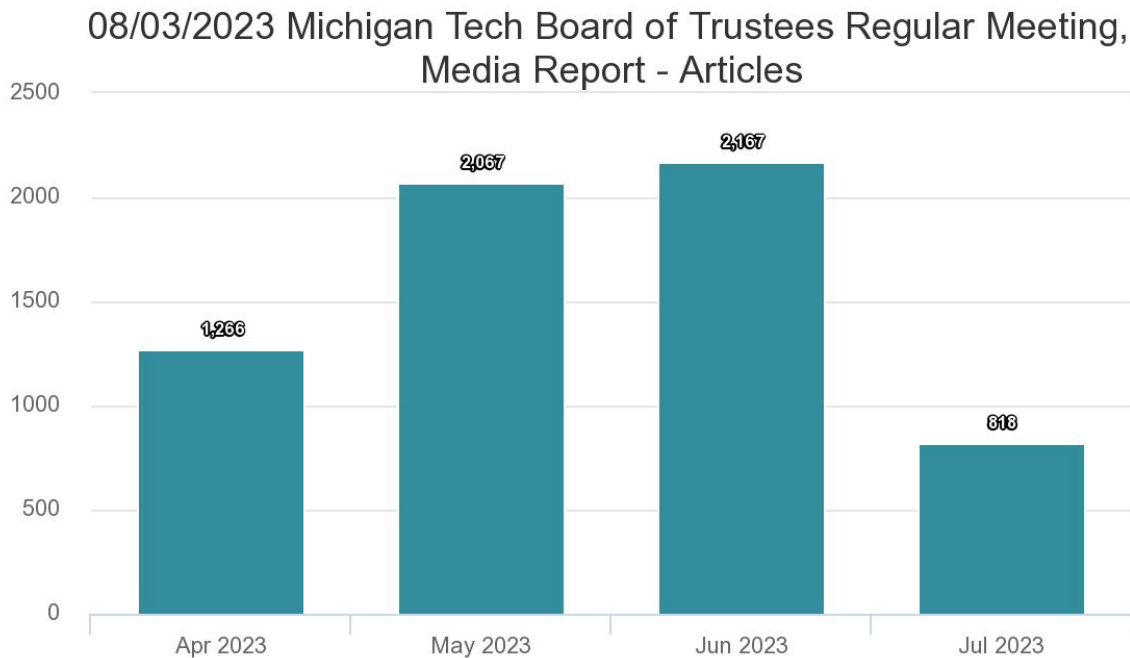
F. Media Coverage

Media Report: Apr. 11 to July 20, 2023
 Michigan Technological University
 Regular Meeting of the Board of Trustees
 Aug. 3, 2023

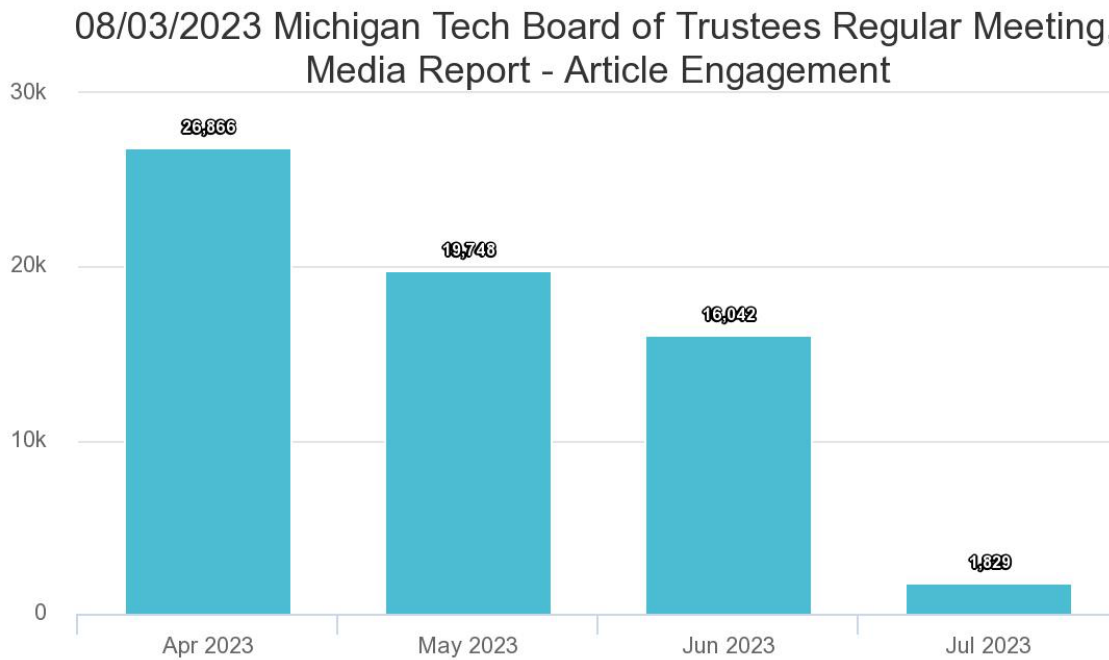
Overview

Articles	6,318
Total engagement	64,485
Average engagement	10
Journalist shares	296
Journalist reach	~ 5.97M
Average unique visitors per month (UVM)	~ 3.4M
Total UVM	~ 20.04B

Between Apr. 11 and July 20, 2023, a total of 6,318 online articles mentioned Michigan Technological University:

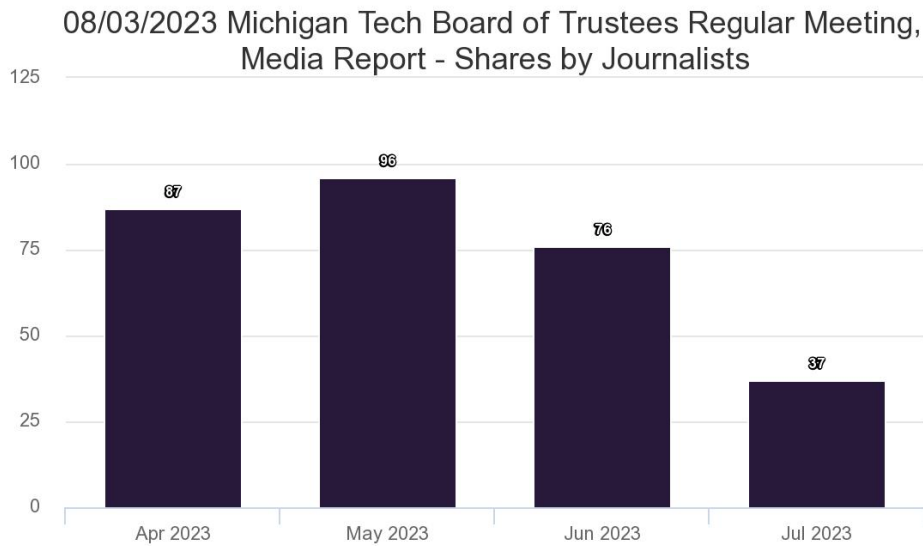


Those 6,318 articles were shared, commented on, or liked on social media roughly 64,485 times, for an average engagement of 10 shares, comments, or likes per article:



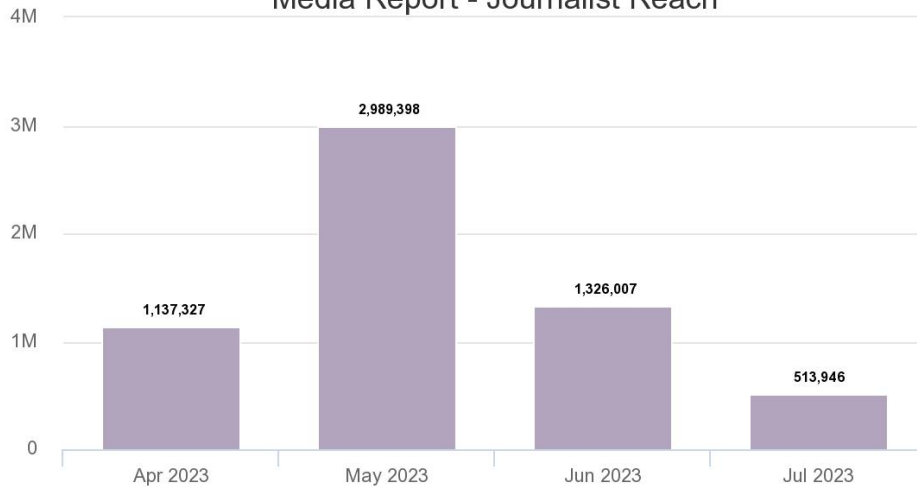
MUCK RACK

Journalists shared the articles on Twitter 296 times, resulting in a reach of roughly 5.97 million people:



MUCK RACK

08/03/2023 Michigan Tech Board of Trustees Regular Meeting, Media Report - Journalist Reach



MUCK RACK

News Highlights:

Research News

Sarah Hoy and Rolf Peterson were quoted by the [Associated Press](#) in a story about the findings of the 64th annual Isle Royale Winter Study, released Wednesday (June 14) by Michigan Tech. The AP's story was picked up by the [Washington Post](#), [Seattle Times](#), [San Francisco Chronicle](#), [Minnesota Public Radio](#), [ABC News](#), [Smithsonian Magazine](#), [Lake Superior Magazine](#), the [Los Angeles Times](#), the [Houston Chronicle](#) and over 340 other outlets nationwide. Numerous other regional and local outlets, including the [Duluth News Tribune](#), [MLive](#), [WXYZ Detroit](#), [WJMN Local 3](#) and [WLUC TV6](#), ran original stories about the study results or picked up MTU's story from [Michigan Tech News](#).

Simon Carn (GMES) was quoted by the [Washington Post](#) in a story about the eruption of Russia's Shiveluch volcano, located on the Kamchatka Peninsula in Russia's far east. The story was picked up by [MSN](#) and the [Benzie County Record Patriot](#). Carn was also quoted by [Smithsonian Magazine](#) and NASA's [Earth Observatory](#) in stories about the eruptions of Russia's Bezimianny and Shiveluch volcanoes.

Alicia Sendrowski (MTRI) was quoted by the [Washington Post](#) and [MSN](#) in a story about a colossal logjam in Nunavut, Canada, which stores more than 3 million tons of carbon. The logjam was the subject of a research study led by Sendrowski while at Colorado State University. The [Seattle Times](#) and the [Anchorage Daily News](#) picked up the story. Sendrowski was also quoted by Canada's [CBC](#) in a similar story.

John Vucetich (CFRES) was quoted by the [New York Times](#) in a story exploring the impacts of a New York hunter's 2021 harvest of an 85-pound wolf, mistaken for a coyote. The presence of other individual wolves in the northeastern U.S. is plausible, according to Vucetich.

Ezra Bar-Ziv (ME-EM/APSRC) was quoted by [WLUK FOX 11](#) of Green Bay, Wisconsin, in a story on Green Bay's candidacy for a new plastic recycling system that uses solvents to break down plastic film types. The system prototype is being built at Michigan Tech. The story was picked up by [101.1 WIXX-FM](#) and five other Wisconsin news outlets.

General News

Undergraduate Dee Paulson (computer science) was quoted by [MLive](#) in a story featuring two students in Michigan's first cohort of EV Scholars — recipients of a new \$10,000 scholarship promoting in-state electric vehicle (EV) and mobility careers announced in February. The program was also featured in a [DBusiness](#) story that said 160 of the 350 scholarship slots are already filled — 46 of them by Huskies.

[Bridge Michigan](#) quoted first-year student Maci Cornish (mechanical engineering) in a story about an increase in the portion of STEM degrees awarded to Michigan college graduates.

Suzanne Sanregret (ATH) and Joe Shawhan (ATH) were quoted by [MLive](#), the [Detroit News](#), [WLUC TV6](#), the [Daily Mining Gazette](#) and many other local and regional outlets in stories about the signing of a four-year extension to host the Great Lakes Invitational hockey tournament and Grand Rapids' Van Andel Arena. The 57th annual tournament will take place Dec. 28-29, featuring Michigan Tech, Alaska, Michigan State, and Ferris State.

The [Daily Mining Gazette](#) mentioned Michigan Tech in a story about Houghton High School's recent ranking as the 33rd best high school in Michigan by [U.S. News & World Report](#). The ranking is the highest of all high schools in the Upper Peninsula. Collaborations with Michigan Tech were described as an example of ways the school creates opportunities for students.

[Yahoo! News](#) mentioned Michigan Tech in a story picked up from the [Traverse City Record-Eagle](#) about \$15 million in state funding being put toward the Freshwater Research and Innovation Center, a facility planned for the Discovery Center & Pier property on West Grand Traverse Bay. Michigan Tech is a partner on the project. The funding was also covered by [UpNorthLive](#) and the [Ticker](#).

Paul Sanders (MSE) and Cassy Tefft de Muñoz (CEO) were quoted by [DBusiness Magazine](#) in a story about the LIFT manufacturing research institute in Detroit. Michigan Tech's academic partnership with LIFT was highlighted in the magazine and mentioned in [another DBusiness story](#) on the launch of LIFT's hypersonic materials development programs.

G. Employee Safety Statistics

EMPLOYEE SAFETY STATISTICS YEAR-TO-DATE

Jan - June 2022/2023 year to date

	Category	Years	Employee Classification							Total
			AFSCME	Faculty	Non-Exempt	POA	Professional	Temporary	UAW	
Number of Recordable Injuries	Injury Only w/Medical - No Lost Time	2022	0	0	0	0	0	0	0	0
		2023	2	0	0	0	0	0	0	2
	Lost Time Cases	2022	2	0	0	0	1	0	0	3
		2023	2	0	0	0	0	0	0	2
	Restricted Work Cases	2022	0	0	0	0	0	0	0	0
		2023	1	0	0	0	0	0	0	1
Occupational Safety and Health Administration (OSHA) Recordable Injuries (Total of above)	2022	2	0	0	0	1	0	0	3	
	2023	5	0	0	0	0	0	0	5	
Number of Days	Injury Lost Time ³	2022	145	0	0	0	5	0	0	150
		2023	8	0	0	0	0	0	0	8
	Restricted Work Days ³	2022	0	0	0	0	0	0	0	0
		2023	15	0	0	0	0	0	0	15
Hours Worked	Total Work Hours	2022	113,425	361,164	40,464	8,067	527,962	29,778	70,385	1,151,245
		2023	129,296	380,917	44,043	8,569	606,348	34,904	78,448	1,282,525
	Percentage of Work Hours	2022	9.9%	31.4%	3.5%	0.7%	45.9%	2.6%	6.1%	100.0%
		2023	10.1%	29.7%	3.4%	0.7%	47.3%	2.7%	6.1%	100.0%
Rates	Lost Time Case Rate ¹	2022	3.5	0.0	0.0	0.0	0.4	0.0	0.0	0.5
		2023	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	Frequency Rate ² (Recordable)	2022	3.5	0.0	0.0	0.0	0.4	0.0	0.0	0.5
		2023	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.8

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

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

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

The Bureau of Labor Statics 2021 Injury, Illness, and Fatalities, Table 1 reports for Colleges and Universities;

the average LOST TIME CASE RATE of days away from work was 0.6 and the average FREQUENCY RATE was 1.4.

H. Disposal of Surplus Property

Michigan Technological University
Surplus Property Sales
April 1, 2023 - June 30, 2023

Date	Description	Amount
06/15/23	2003 Chevrolet Express Cargo Van	\$ 250.00
06/21/23	40 Acres of Land and Timber Holdings, Houghton County	55,050.25
Total		\$ 55,300.25

XI. Other Business

XII. Date for Next Formal Meeting: October 6, 2023

XIII. Adjourn