AGENDA
Formal Session of the Board of Trustees
Michigan Technological University
9:00 a.m. – August 2, 2018
Ballroom B – Memorial Union Building

I. Change of Chair

II. Approval of Agenda

III. Opening Remarks
   A. Chair’s Comments
   B. President’s Comments

IV. Committee Reports
   A. Academic Affairs Committee - Linda Kennedy
      - Provost Report - Dr. Jackie Huntoon, Provost & Vice President for
      Academic Affairs
      - Student Affairs and Advancement Report - Dr. Les Cook, Vice President
      for Student Affairs and Advancement
   B. Presidential Transition Committee – Derhun Sanders

V. Consent Agenda
   A. Approval of Minutes
   B. Degrees in Course
   C. Gifts
   D. Resignations, Retirements and Off Payroll
   E. Tentative 2019 Meeting Dates
   F. Michigan Technological University/Michigan Tech Fund Agreement

VI. Action/Discussion Items
   A. Employee Recognition
   B. Emeritus Rank
   C. Michigan Council for the Arts
   D. Board of Trustees Resolution

VII. Informational Items
   A. Analysis of Investments
   B. University Issued Bond Balances
   C. Research and Sponsored Programs Report
   D. Advancement and Alumni Engagement Report
   E. Recent Media Coverage
   F. Employee Safety Statistics

VIII. Other Business

IX. Public Comments

X. Adjournment
I. CHANGE OF CHAIR

The Board of Trustees Bylaws requires that the Chair elected at the last regular meeting of the fiscal year take the Chair at the first regular meeting of the next fiscal year.

Brenda Ryan, Chair for 2018-19 will succeed Terry Woychowski, Chair 2016-18 and Bill Johnson will become Vice Chair for the 2018-19 fiscal year.
II. APPROVAL OF AGENDA

RECOMMENDATION: That the Board of Trustees approves the agenda of the formal session of August 2, 2018 as distributed to the Board.
III. OPENING REMARKS

A. Chair’s Comments

B. President’s Comments
IV. COMMITTEE REPORTS

A. Academic Affairs Committee – Linda Kennedy
   - Provost Report – Jackie Huntoon
   - Student Affairs and Advancement Report – Les Cook

B. Presidential Transition Committee – Derhun Sanders
Provost’s Report

Jackie Huntoon

August 2, 2018
Leadership Transitions Complete

New Deans

College of Engineering
Janet Callahan
from Boise State University

College of Sciences & Arts
David J. Hemmer
from University of Buffalo – SUNY

School of Forest Resources & Environmental Science
Andrew Storer
Michigan Tech University

School of Technology
Adrienne Minerick
Michigan Tech University
College of Engineering – Janet Callahan

• First Impressions
  o Campus is calm, busy, and professional.
  o CoE is professional, welcoming, and far forward-looking.

• Vision for the College
  o Telling/re-telling strong and compelling stories highlighting Michigan Tech’s leadership in research and student learning. Plan to draw upon the thousands of alumni, faculty, and students to do this.
  o Work with the Board, President Koubek, faculty, employers, and alumni to develop an aggressive forward-looking vision for Michigan Tech as a leading producer of tech-focused, “can-do” professionals.

• Settling in the area and on campus
  o First few days spent closing on new house, celebrating our nation, and being welcomed by a Tech alumna, her friends and parent.
College of Sciences & Arts Dean – David Hemmer

• **First Impressions**
  o Houghton is beautiful in the summer – a contrast from the interview!
  o Attended first opera at the Rosza Center – amazed to learn most of cast were local.

• **Vision for the College**
  o CSA is on a good trajectory.
  o Many opportunities to expand external funding, especially for infrastructure and graduate support.
  o Great opportunities to expand fundraising; alumni are incredible!
  o Huge cohort of young faculty; important to help them maintain research and progress through T&P processes and on to full professor.
  o Thrilled to learn that undergraduate deposits in CSA are up more than 8% over last year.

• **Settling in the area and on campus**
  o Purchased “Warrington House” and roughed it for a couple of weeks while awaiting family and furniture.
School of Forest Resources & Environmental Science
Dean – Andrew Storer

• First Impressions
  o Arrived in 2001 and still recall the value of the opportunity to instruct students in 2 majors.
  o Struck by amount of nationally & internationally recognized research in the School.

• Vision for the College
  o Develop strategies to ensure we remain at the forefront of research and education, and build on our strong reputation.
  o Prepare students to manage natural systems in times of great change.
  o Actively pursue strategies to increase and diversify Schools’ research and student body.

• Settling in the area and on campus
  o Shortly before assuming role of dean, dramatic storms caused much devastation to the local area. Reinforced the need for graduates ability to address and mitigate pressures on natural systems.
  o Outpouring of volunteer support and people’s pride in their communities are examples of the characteristics of our local community.
School of Technology Dean – Adrienne Minerick

• **First Impressions**
  o MTU - joined eight years ago; invigorating experience - new ideas and energy were embraced.
  o SoT – great, well-intentioned individuals who care deeply about the education and well-being of students.

• **Vision for the School**
  o Grow the visibility of the school, its people, and quality of products – both internally and externally. Communicate value and benefits of School degrees in order to grow enrollment, retention, and student success.
  o Increase sense of community and pride within the School.

• **Settling in the area and on campus**
  o Busy in gardens while engineering a sustainability household which includes young children.
Assistant to the Provost for Academic Equity & Inclusion

Dr. Audrey Mayer

• Associate Professor of Ecology & Environmental Policy, School of Forest Resources & Environmental Science

• Involved with diversity at Michigan Tech for a number of years, including Diversity Literacy Workshop Coordinator
Thank you
Formal Session of the Board of Trustees - IV. Committee Reports

Student Affairs and Advancement
Board of Trustees Meeting – August 2, 2018
Alumni Reunion
50 year Class by the Numbers

• 50 year class milestone marked with induction into Golden M Club
• 524: class of 1968 graduates entering Golden M Club this year
• 5121: living Golden M members
• 1961: Golden M Club created
Alumni Reunion by the Numbers

- 1911: inaugural Alumni Reunion
- 677: largest Reunion attendance to date (2017)

Recent New Additions
- Stuff-a-Husky
- Golden M champagne toast
- 5K run/walk
- High ropes course

2017 Stuff-a-Husky Event
Family U

• A day of learning for all generations!
• 22 participants enrolled in 2017, sessions included:
  • Wind turbine engineering
  • Properties of copper
  • Crime scene investigation
• Collaboration between Alumni Engagement and Center for Pre-College Outreach

2017 Family U participants
## Fall 2018
Applications, Admits and Deposits

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>Difference</th>
<th>% Difference</th>
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</thead>
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<tr>
<td>Applications</td>
<td>5997</td>
<td>5016</td>
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<tr>
<td>Admits</td>
<td>750</td>
<td>722</td>
<td>-28</td>
<td>-4%</td>
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As of July 13, 2018
Annual Giving - September 6, 2018

Day of engagement in celebration of the Keweenaw and Michigan Tech, both on campus and online, to remind students and alumni what makes this area (the 906) so special and how they impact each other.

- Chalking
- Coffee Tasting
- Photo Booth
- KAC Raffle Drawing
- OAP Events
- Music
- Cookies
- Launch 906 Club
5 Under 35

Amy Storer '10
BS Social Sciences

Kevin Moran '10
BS Mechanical Engineering

Ben Almquist '04
BS Materials Science & Engineering

Sarah Carlson '03
BS Chemistry

David Vennie '05
BS Electrical Engineering

Kevin Moran '10
BS Mechanical Engineering

Ben Almquist '04
BS Materials Science & Engineering
The green screen is a blast at K-Day!
## Changes in Residential Student Learning

<table>
<thead>
<tr>
<th>Traditional Programming Model</th>
<th>Residential Curriculum</th>
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<tbody>
<tr>
<td>Student Affairs Professional Approves a Program</td>
<td>Student Affairs Professional Staff Assign a Learning Outcome and Learning Plan</td>
</tr>
<tr>
<td>RA Proposes a Program</td>
<td>RA Executes the Learning Plan with Educational Priorities linked to University Mission</td>
</tr>
</tbody>
</table>
Michigan Tech to Become a JED Campus

• JED Foundation - nonprofit focusing on protecting emotional health and preventing suicide in teens and young adults

• 4-year strategic partnership with JED to develop and enhance campus-wide efforts for
  • student mental health
  • substance abuse
  • suicide prevention

• Campus-wide team will be established

• $22,000 grant from Blue Cross Blue Shield of Michigan, Ethel and James Flinn Foundation, the Michigan Health Endowment Fund and the Community Foundation for Southeast Michigan
Sherman Field Renovation

Phase 1 - $1M – All Private Funding

  Includes: Seating, handicap accessible seating and parking

Phase 2 - $2M – Spring 2019

  Includes: Press box, restrooms, concessions, visitor seating and ticketing
Daniell Heights Renovation
Collaborative Program

The panel recognizes this project for its high level of engagement across campus communities. A model for institutions to follow, Michigan Tech University combined many moving parts to link the entire student experience – from demonstrated interest to alumni engagement – in one replicable model. Other institutions could apply this model at the micro and macro level.

Judges’ Report - CASE 6/2018
Questions
V. CONSENT AGENDA

These are routine matters that generally do not require discussion or debate. Any Board member can remove any consent item from the agenda by request. They will be considered as one resolution.

A. Approval of Minutes
B. Degrees in Course
C. Gifts
D. Resignations, Retirements and Off Payroll
E. Tentative 2019 Meeting Dates
F. Michigan Technological University/Michigan Tech Fund Agreement
V-A. APPROVAL OF MINUTES

RECOMMENDATION: That the Board of Trustees approves the minutes of the formal session of May 4, 2018 as distributed to the Board.
V-B. DEGREES IN COURSE

Included herein are candidates who have been recommended by their respective faculties and have been certified by the Registrar as having fulfilled all the requirements of their degrees as specified.

RECOMMENDATION: That the Board of Trustees approves the awarding of the degrees as specified, to each of the candidates listed, and offer congratulations.
MEMORANDUM

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

From:     Theresa K. Jacques, Registrar
            Registrar’s Office

Date:      July 6, 2018

Subject:  Candidates for Degrees – Conferral Term 201801

The attached list of candidates for degrees, beginning with Casey Nicholas Nelson and
Megan Lee Pietruszewski, 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 K. Jacques
Registrar

TKJ: kph
Bachelor of Arts in Communication, Culture, and Media

Casey Nicholas Nelson
Nathan Naamma Shaifyen
Connor Christian Kitalong Will

Bachelor of Arts in History

Savannah Riley de Luca

Bachelor of Arts in Scientific and Technical Communication

Jessica Ann Boelecke - Cum Laude
Timothy H Judge

Bachelor of Arts in Sound Design

Devin Paul Deal - Cum Laude
Taran Joseph Schatz

Bachelor of Science in Accounting

Bradley Scott Boehler
Hanna I Christensen
Leslie Jean Ditlow - Cum Laude
Alina Marie Harmala
Brett Michael Hauswirth
Jessica Lynn Muonio - Cum Laude
Gina Marie Roose - Summa Cum Laude
Ryan Edward Wilson

Bachelor of Science in Applied Ecology and Environmental Science

Neva Rose Bentley - Cum Laude
Lauren Kay Docherty
Kira J Ferguson - Cum Laude
Zoe Noel Horns
Brett R Houle
Kathleen L Patronik
Keeli Nicole Winquist

Bachelor of Science in Applied Geophysics

Jill A Guthrie
Kaitlin J Marsh

Bachelor of Science in Applied Physics

Sasha Novia Berriel
Paul T Bosko
Stefan Larsen Friesema

Bachelor of Science in Audio Production and Technology

Henry William Ashburn - Magna Cum Laude
James Lee Bennett
Jacob Thomas Gust - Cum Laude
Zachery Orion L'Italien - Magna Cum Laude
Dominic Cameron Mosher
Charles David Southward

Bachelor of Science in Biochemistry and Molecular Biology

Erinn Margaret Smith - Cum Laude

Bachelor of Science in Bioinformatics

Ayla Lyn Vaughn

Bachelor of Science in Biological Sciences

Nathaniel John Maki
Taylor Rae Archibald - Cum Laude
Adam D Cary
Cassandra Karen Cecchettini - Cum Laude
Morgan Leigh Charbonneau - Cum Laude
Lindsey Frances Dolinski
Leah Mae Kimminau - Magna Cum Laude
Erin Elaine McKenzie - Summa Cum Laude
Chase Hunter McNamara - Magna Cum Laude
Andrea N Norton
Catherine Anne Pieprzak
Elizabeth Sterling Scaife - Magna Cum Laude
Jacob Luke Schoenborn
Jacob Allan Swanson
Bachelor of Science in Biomedical Engineering

Dakota James Anderson
Jennie Maria Baker - Magna Cum Laude
Justin David Batchelor
Peter Benjamin Beach - Magna Cum Laude
Elizabeth Gendreau Bloch
Rebecca Lynn Bostwick
Bruce Brunson Jr.
Hannah Cunningham - Summa Cum Laude
Julie A DeBus - Cum Laude
Derrick A Diver
Holly Elaine Eyrich - Magna Cum Laude
Adam Douglas Francis
Meghan Elizabeth Friske
Shallen Alies Gurtler
Christopher Andrew Haferman - Cum Laude
Jennifer Nicole Hannon
Morgan M Herzog - Cum Laude
Kenneth Richard Hubbard - Cum Laude
Reis Guthrie Mielke Jones - Magna Cum Laude
Carly A Joseph - Cum Laude
Sterling Germund Korstad
Brendan John Mccann
Karry Adeline Modolo - Magna Cum Laude
Tanay Kalpej Patel - Magna Cum Laude
Ana-Lisia Amber Powdhar
Rebecca Lynn Revett - Summa Cum Laude
Cody James Rietveld - Cum Laude
Cal David Riutta - Cum Laude
Ryan Andrew Root
David John Ross - Cum Laude
Matthew William Sampson
Cassidy May Sheffield - Summa Cum Laude
Sarah Elizabeth Smahy - Magna Cum Laude
Ariana Gabrielle Tyo
Alexander Paul Undlin
Samuel David Vanderlin
Tanner Grant Viegut
Marie Elisabeth Wendling
Casey Patrick Wood - Magna Cum Laude
Michael R Bakowski
Nathan Leigh Baldwin - Cum Laude
Brandon James Ballard
Derek James Ballou - Magna Cum Laude
Elizabeth Anne Barber
Beau Begeman
Nathan John Blaszak - Magna Cum Laude
Christopher Lee Blevins - Magna Cum Laude
Grant Michael Brown
Phillip Donald Cass - Cum Laude
Nicholas Andrew Cunningham

Bachelor of Science in Chemical Engineering

Michael R Bakowski
Nathan Leigh Baldwin - Cum Laude
Brandon James Ballard
Derek James Ballou - Magna Cum Laude
Elizabeth Anne Barber
Beau Begeman
Nathan John Blaszak - Magna Cum Laude
Christopher Lee Blevins - Magna Cum Laude
Grant Michael Brown
Phillip Donald Cass - Cum Laude
Nicholas Andrew Cunningham
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Michael Del Signore
Thao N Duong - Summa Cum Laude
Tyler Kent Ezinga - Cum Laude
Blake A Fischer
Alexis Marie Fitzpatrick - Magna Cum Laude
Peter Nicholas Gardner - Cum Laude
James Edward Gooding - Cum Laude
Antanas Jonas-Arturas Grazulis
Gabriel Adam Griffin - Magna Cum Laude
Dillon Christian Gronseth - Summa Cum Laude
Zachary Clay Hall
Sulgee Haynesworth
Magdalina L Hildebrandt

Anna Margaret Hohnstadt - Summa Cum Laude
Jason Charles Kaster
Lauren Mae Keenan - Magna Cum Laude
Katlyn Sue Kiekhaefer - Magna Cum Laude
Scott David Kitzmiller - Magna Cum Laude
Emilia Renae Kuemin
Joseph Prashant Kulkarni
Jacquelyn Carol Lahnanen
Richard F Linck
Taylor R Lindemann
Demitrius Michael Mallos - Magna Cum Laude
Eric Martin McCann
Meghan Rose McDonald
Christopher Wayne Moore
Nicholas John Moore - Cum Laude
Matthew Otis Moreman - Cum Laude
FNU Bin Muhammad Luqman NuHakim
Evan Jacob Murphy
Anna Marie Nelson - Summa Cum Laude
Jonathan David Nelson - Summa Cum Laude
Neal Christian Nordstrom
Ryan Nicholas Oshe - Magna Cum Laude
Jesse James Pagel
Kyle David Palmer
Natalia Parra Alvarez - Cum Laude
Madison Ann Patrick - Magna Cum Laude
Alexander S Patterson - Magna Cum Laude
Abigail Kate Payne
Darcy Ann Perry
Vincent Gabriel Perz - Summa Cum Laude
Joseph Thomas Peterson - Summa Cum Laude
Rebecca Marie Phipps - Magna Cum Laude
Meghan Corinne Pierce - Magna Cum Laude
Sarah Elizabeth Pudas
Steven Michael Raboin
Marco Antonio Ramon
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Kane M Rasner
Joshua P Rennell - Summa Cum Laude
Dustin Edward Rens
Brendan Thomas Saum
Luke David Schulz
Matthew Kyle Seabloom
Katharine Ann Smeberg
Melissa Ann Spaulding - Magna Cum Laude
Caroline Elizabeth Spezia
Brandon Thomas Talaska
Alexander Conrad Tangen
Audra Jaye Thurston - Summa Cum Laude
Hannah Kay Townsend
Michael John Tuski
Garrett Doran Unsworth - Cum Laude
David M VanBergen - Summa Cum Laude
Trevor James Waslawski
Austin Lawrence Weick
Matthew Kendall Weiss
Trevan John Wendrick
Teresa H Wieber - Cum Laude
Nicholas Paul Wiersma
Travis P Wigstrom - Magna Cum Laude
Charles Edward Wolfe - Cum Laude
Sara Jean Wolk
Holly Nicole Woloshik - Magna Cum Laude
Kevin M Yates - Cum Laude
Adam Daniel Pap
Nicole Victoria Bliven
Tyler Allyn Leverton - Summa Cum Laude
Shelby Barbara McGuire - Magna Cum Laude
Diane Lee McNease
Cathleen Ashley Saraza

Bachelor of Science in Cheminformatics

Bachelor of Science in Chemistry

Bachelor of Science in Civil Engineering

Taylor Jacqueline Garbe - Magna Cum Laude
Tyler Michael Gildersleeve
Phoebe Eleanor Glazko - Magna Cum Laude
Mario Michael Graziano
Jacob Jonathan Hebert
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Robert Joel Herrick
Brock Daniel Hoffman - Cum Laude
Robin Amanda Jackson
Brittany Kay Klingerman
Aaron Jeffrey Kostrewa - Summa Cum Laude
Alex J Kuehn
Haylee Nora Lakenen - Cum Laude
Alyssa Lee Leach
Christopher Daniel McCue - Cum Laude
James Carl McGhee
Brian Austin Nance - Magna Cum Laude
Abigail Grace Nieskes - Cum Laude
Derek Jeffrey Owen
Ryan H Pietila
Michael Prast - Magna Cum Laude
Nevin Patrick Radosevich
Andre Thomas Ringle
Kaitlyn M Sabourin
Karrah Beth Schneiderwent
Ian Jeffery Stampfly
Austin James Strahl
Mike Su
Andrew Michael Swanson - Cum Laude
Victoria Anne Swanson - Magna Cum Laude
Pierce William Treend
Allen Douglas Van Den Boom
Isabel O Vanderlaan
Patrick T Weaver
Kayla Marie Wielgus - Summa Cum Laude
Yaqi Yang
Zeyu Yin
Alex Patrick Borman
Matthew Reed DeGroot - Cum Laude
Austin L DeVault - Magna Cum Laude
Dustin J Del Preto
James Kenneth Dykstra - Cum Laude
Andrew S Fisher
Nicholas Andrew Fisher - Cum Laude
Jason Douglas Haisma
Salvatore Ingrassia
Joel Edward Jepsen
Andrew S Jorgenson
Lucas Ronald Kuta
Kyle Adam Kutchek - Cum Laude
Gary Alexander Lord
Kyle William Ludwig
Seth Thomas Majeski - Magna Cum Laude
Eric Christopher Mason
Alexander Ryan McInerney
Matthew Thomas Miller - Magna Cum Laude

Bachelor of Science in Computer Engineering

Formal Session of the Board of Trustees - V. Consent Agenda
Mitchell Bruce Paris
Leah Lynn Peterson
Austin Joseph Schank
Quinn Hamill Schelske - Magna Cum Laude
Jonathan Michael Schulz - Cum Laude
Cason Maine Sjerven - Magna Cum Laude
Brian Michael Terry
Quentin Alexander Tovar-Prince

Bachelor of Science in Computer Network and System Administration
Zachary Paul Aufdemberge
Sarah Marie Blum
Joshua David Brasseur - Magna Cum Laude
April Elizabeth Brown - Cum Laude
Nathan Harris Eickmeyer
Trevor Alan Erxleben - Cum Laude
Ryan Kenneth Henning
Henry J Kipke
Michael Casey Oliver - Magna Cum Laude
Cynthia M Robacker
Adam Gerald Weber - Cum Laude
Benjamin Hull Webster
Eric David Witteveen
Scott Xiong - Cum Laude

Bachelor of Science in Computer Science
Zane Russell Barker - Cum Laude
Kyle Patrick Bray - Summa Cum Laude
Grant Michael Buhl - Cum Laude
Trent A Chamberlin
Alexander John David - Cum Laude
Benjamin Joseph Denys
Anthony Ron Fantene
Sophia Grace Farquhar - Summa Cum Laude
Mary Louise Flood
Andrew Vansante Fox
Michael LeRoy Glazier
Jacob Christopher Gould - Magna Cum Laude
Hal Michael Hattis
Dane Logan Jensen
William Wallace Kent - Magna Cum Laude
Baron Blake Lenardson
Dylan Lettinga
Joseph M Pietrzyk
Evan Thomas Ronnei
James Kyle Rudlaff - Magna Cum Laude
Joshua James Rule
Derrick L Smith - Magna Cum Laude
Garand Anders Spikberg
Catherine T Steigerwald - Cum Laude
James Nathaniel Straw
Justin D Williams - Summa Cum Laude
Darren Kurtis Wiltse
Jacob Warner Woloschek
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Andrew Robert Wolowiec
Joachim Vincent Wright - Magna Cum Laude
Chad Carl Brown - Cum Laude
Graeme John Schoutese Blakely
Paul Baldwin

Sam Elliot Baxendale-Wilson - Magna Cum Laude
Darien Thomas Benner
Braden W Bennett
Sasha Novia Berriel
Randal Anton Brinks
Jackson Thomas Burek - Summa Cum Laude
Derek James Burrell - Summa Cum Laude
Jacob Charles Carley - Cum Laude
Michael Patrick Casanova
Sean P Casey *
Christopher Joel-Donalyn Churchill
Lauren Elizabeth Clark
Sandra Cvetanovic - Summa Cum Laude
Carter Alan Davis
Kyle David Domas - Magna Cum Laude
Morgan Ellen English - Cum Laude
John Patrick Falzon
Meghan Elizabeth Friske
Derek Louis Gheller - Summa Cum Laude
Stephen James Gruulke
Joseph Richard Heltsley
Cameron Keith Hibbard - Magna Cum Laude
David Michael Holdburg
Jordan Timothy Horan
Matthew Ray Hulet
Scott Anthony Janny
Zachary Brian Jensen - Magna Cum Laude
Christian Diabelle Kaub
Thomas Alan Kita - Magna Cum Laude
Eric Michael Laabs
Charles Alexander Lubitz
Alexander Nicholas Mahler
Amanda E Marciniak
Travis O'Brien McGinley
Carl Dale Mitchell
Patrick Robert Morath
Mitchell Allen Morford
Afroz Mozzam
Tanay Kalpej Patel - Magna Cum Laude
Michael A Pineda
Chad Steven Ross
Benjamin David Schaedig
Gabriel Curtis Simmering
Collin Edward Staudacher
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Max Allen Tollefson
Ryan Marvin Usimaki
Kyle M Wellman
Jason Michael Wesley
Weihuang Xie
Christopher N Yax
Zijian Zhu

Bachelor of Science in Electrical Engineering Technology

Jonathan R Burke
Dustin Michael Long - Magna Cum Laude
Joseph William Mayrose - Magna Cum Laude
Devon Joseph Swanton
Hassan Abdullah Zainuddin

Bachelor of Science in Engineering Management

Haley Irene Kay Huyser
Kyle M Huyser
Kai Matthew Jenstrom
William J Roland
Seth Mike Rotschafer
Tanner Jon Uren

Bachelor of Science in Environmental Engineering

Heidi Kjerstin Anderson - Magna Cum Laude
George G Austin
Louis John Paul Bassette - Summa Cum Laude
Crystal Danielle Batdorff
Sara Marie Beine

Alexandra Virginia Bergquist - Summa Cum Laude
Meredith M Brehob - Summa Cum Laude
Hunter Guiliani Brisson
Janna Lynn Brown - Cum Laude
Kelsey V Cole
Conner Sean Deur
Jace Alexander Fritzler
Kyle David Hillstead
Emma Coral Hitch
Ryan Jacob Kibler - Summa Cum Laude
Mina Claire Kosmowski Kukuk - Summa Cum Laude
Luyao Li
Kristin B Lowery - Summa Cum Laude
Shaye Katherine Maetzold - Cum Laude
George Daniel Meados
Caryn Diane Murray - Cum Laude
Marcella Marie Patrick - Cum Laude
Shelby Nicole Scherdt
Rachel Christine Stern - Summa Cum Laude
Hannah Nicole Stevens - Magna Cum Laude
Madison Anna Wilson
Harrison L Zost

Bachelor of Science in Exercise Science

Thomas Kersch Bye - Magna Cum Laude
Stephanie Lynn Dietrich - Summa Cum Laude
Beau Peter Dupuis - Cum Laude
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Bachelor of Science in Finance
Alex James Gabe
Ellen Janet Heinonen - Cum Laude
Madelyn Margaret Morley
Kelsey Tiana Saladin - Magna Cum Laude
Tessa Camille Sprague - Magna Cum Laude
Lindsay Marie Winter - Magna Cum Laude

Bachelor of Science in Forestry
Michael Choiniere - Cum Laude
Reginald N Horton
Eric Olson Isaacs
Joseph Lazzari
Joyanne K Mittig - Cum Laude
Kevin Anthony Suozzi
Eric Joseph Wilson
Jack Youngblood - Magna Cum Laude

Bachelor of Science in Geological Engineering
Kirsten Emily Deprekel
Andrew G Dubay
Zachary Thomas Fleming
Ryan Michael Klida
Andrew Jacob Moore - Summa Cum Laude
Brendan P Ruppen
Megan Rose Sprague
Kyle Thomas Walker
Luke Morgan Weidner - Summa Cum Laude
Zachary S Westphal - Cum Laude

Bachelor of Science in Geology
Sean Daniel Brick
Hannah Marie Koskiniemi
Jessalyn N Taylor

Bachelor of Science in Management
Olivia Shea Burek - Cum Laude
Dillon S Gordon - Cum Laude
Roman Gorshenin - Summa Cum Laude
Tyler William Heinonen
Samuel James Kitts
Shelbie Laura Koenitzer - Cum Laude
Dylan Joseph Larson
Brant Martin Rose
Chelsea M Siebarth
Matthew James VanDenBerg
Bachelor of Science in Management Information Systems
Xing Chen
Michael David Johnson
Joel David L’Esperance
Amber Mae Stanaway

Bachelor of Science in Marketing
Tanner Clark Flatt - Magna Cum Laude
Mitchell Michael Ryan
Marisa Rose Taylor

Bachelor of Science in Materials Science and Engineering
Alex Robert Ball
Kristen Elizabeth Bull - Summa Cum Laude
Aaron Michael Cook
Joshua Phillip Dorn - Summa Cum Laude
Mark D Ilenich
Danielle Elizabeth Jencks - Magna Cum Laude
Morgan Marilynn Jons
Tyler James Kiszeliik
Tristan John Kolb
Emily Grace Marciniak
Lewis Gwilym Marshall - Magna Cum Laude
Curtis James McKenney
Christopher R Pflug
Bailey Hogan Rudolph - Cum Laude
Ryan Wesley Spaulding
Philip David Staublin - Summa Cum Laude
Nicholas Christian Stuve
Thomas Howard Weston
Carson Foster Williams - Cum Laude

Bachelor of Science in Mathematics
Stephanie Michelle Bedford
Natalie Anne Brown
Meghan Anne Campbell - Summa Cum Laude
Nicholas Zane Catalanotto
Illiya Chibirev - Magna Cum Laude
Jonathan R Courter
Kelli M Dekutoski
Valerie Nichole Eliasen - Summa Cum Laude
Tehya Ann Heyrman - Summa Cum Laude
Erin N Johnson - Cum Laude
Ashley Serena Laux
Charles Adam Lewis
Miles Royce Martin - Magna Cum Laude
Travis Joseph Melka
Nicholas Alan Olinger - Cum Laude
Cameron J Ringler
Drake Daniel Slater
Kyle N Sutela - Magna Cum Laude

Bachelor of Science in Mechanical Engineering
Nathan Lawrence Ackerman - Magna Cum Laude
Andrew Michael Aerts - Summa Cum Laude
Jayson David Allison
Eli Andrew Anderson
Michigan Technological University  
Degrees Awarded for Conferral Term 201801  

Adam Joseph Augustyniak - Summa Cum Laude  
James Robert Baker  
Joshua Thomas Balcom  

Sam Elliot Baxendale-Wilson - Magna Cum Laude  
Richard Joseph Bedore  
Andrew John Berg  
Conor Thomas Berndt  
William R Bland  
Ian Thomas Boettner  
Paul T Bosko  
Cade James Bowman  
Samuel L Brayman  
Devin James Brienen - Magna Cum Laude  
Mark Edward Brouwer  
Ethan Patrick Brown  
Bruce Brunson Jr.  
Kayla Jo Buczkowski - Cum Laude  
Ryan William Buske - Summa Cum Laude  
Harrison Lee Cannon  
Mark Douglas Casamer  
Elaine Lindsey Cook  
Denzil Cotera Berndt  
Claire Mary Couture  
Stuart Alexander Crewdson  
Hannah Marie Daavettila  
Mark Robert Daavettila  
Jacob James Damiani - Magna Cum Laude  
Cy Abraham DeLeeuw  
Daniel Joseph DeVries - Magna Cum Laude  
Reid Hudgins Deckebach  
Jocelyne Rae Denhof  

Shveta Vinayak Dhamankar - Magna Cum Laude  
Daniel J Domitrovich  
Cameron Richard Dulong - Magna Cum Laude  
Daniel Scott Freed  
Julian J Gabriel  
Nathan James Goering - Summa Cum Laude  
Austin John Gongos  
Christopher Andrew Haferman - Cum Laude  
Chet James Halonen - Magna Cum Laude  
Alex M Hanson  
Matthew Jon Hargas  

Keegan Gerald Harrington - Magna Cum Laude  
Alexander I Hartmanis  
Andrew Jonathan Hartz  
Charles Packard Hatch
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Justin Michael Heil
Alec Michael Holm - Magna Cum Laude
Ryan D Hopper - Magna Cum Laude
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Logan Edward Hunter
Eric David Hupf
Matthew David Ilenich
Kyle William Janowicz
Lillian Anne Johnson
Carl Henry Jolma
Carl Eric Kangas
Christiana Isabelle Kaub
Luke W Kearby
Daniel J Killick
Ian Taylor Kramer
Matthew Thomas Krawczyk
Kalvin Walter Krompetz
Jacob Andrew LaPonse
Spencer Brown Lacy
Ryan Michael Larson - Cum Laude
Jesse Lee Lassila - Summa Cum Laude
Keith Raymond Lemley
Jacob Nathaniel Len
Yvonne Marie Lewsley
Drake M Lindberg
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Erik Tyler Lund
Benjamin J Maat
Seth Phillip Mares - Cum Laude
Michael Maxim Mashevsky - Magna Cum Laude
Robert Steven Massar - Summa Cum Laude
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Emily Rose Meuers
Jacqueline Kay Mielke
George Michael Mietelka
Theodore Frank Mikrut
Nils Ale Miron - Magna Cum Laude
Nicholas James Monette
Jose Manuel Montano
Cody Daniel Mouton
Nalen S Nadarajah - Cum Laude
Colin M Neuman
Lorne Stuart Newhouse - Magna Cum Laude
Brennan Boru O'Brien
Neil Brian Olson - Summa Cum Laude
Brett David Opel - Summa Cum Laude
Zachary Gerard Papciak
Jacob W Pardy
Zakarie R Parker
Michigan Technological University
Degrees Awarded for Conferral Term 201801

Jonathon Paul Parzuchowski
Cooper Jacob Pedersen - Magna Cum Laude
Scott A Pederson
Steven Michael Peltier
Carl A Pietila
Alexis Cyrilla Pinson
Cameron John Potter
Jordan David Powers
Jacob Anthony Prins - Magna Cum Laude
Jacob A Prochnow - Cum Laude
Joseph Charles Reitter
Jared Allen Richards - Summa Cum Laude
Cody James Rietveld - Cum Laude
Joshua Robert Rzeppa
Dylan J Scholten
Zachary Robert Scholzen
Amelia Marie Schweikart
Joshua Lawrence Sell
Lukas Christian Senczyszyn
Shane Michael Severn
Derek Lyons Severson
Marcus David Shamberg
Sarah Elizabeth Smaby - Magna Cum Laude
Joseph Feider Smies - Magna Cum Laude
Joshua Feider Smies - Magna Cum Laude
Julia Christine Smit - Cum Laude
Jeffrey Brian Staten - Magna Cum Laude
Dylan James Steman - Summa Cum Laude
Riley Lewis Stroven - Magna Cum Laude
Mary Claire Sullivan - Cum Laude
Tyler Scott Swanson
Conner T Swindell
Kevin J Tillman
Ethan Hoang To
Gabriel T Toczynski
Jack Thomas Torborg
Amanda Louise Travis - Magna Cum Laude
Daanish Salim Tyrewala - Summa Cum Laude
Jason L VanDoornik - Cum Laude
Emily Ann Vigil - Magna Cum Laude
McKenna Ashley Wagner
Alex Matthew Weber
Kyle William Wehmanen - Summa Cum Laude
Kyle M Wellman
Cory Kurt Williams
John Michael Williams
Lily A Williams
Theodore Jason Wollner
Yifei Wu
Christopher Graham Young
Michigan Technological University  
Degrees Awarded for Conferral Term 201801

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<td>Jonathan Andrew Zamaites</td>
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<td>Ginger Lee Sleeman - Magna Cum Laude</td>
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<td>Paul A Bahle</td>
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<td>Jeremy Michael Barker - Cum Laude</td>
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<td>Zachary Brian Dekraker</td>
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Michigan Technological University
Degrees Awarded for Conferral Term 201801

Bachelor of Science in Sports and Fitness Management
Michael Anthony Gryzwa
Nichole Suzanne Mackey - Magna Cum Laude
Jacob Mager
Nicholas Joseph Muggio - Magna Cum Laude
Zachary Gage Paris
Daniel Robert Stahl - Magna Cum Laude
Michael Thomas Wallace
Rosalie Jane Anderson - Cum Laude
Elisa Margaret Jurmu - Magna Cum Laude
Mitchell Michael Ryan
Elisa Margaret Jurmu - Magna Cum Laude

Bachelor of Science in Surveying Engineering
Jacob D Fabian - Magna Cum Laude
Nicholas Andrew Kostick - Magna Cum Laude
Matthew Charles Kunkel - Summa Cum Laude
Jennifer Ann Morehouse
Cheyanne M Boucher - Magna Cum Laude
Zachary L Evans
Tony Collin Lammers
Russell William Lipe - Cum Laude
Andrew Steven Meyer - Cum Laude
Samantha Frey Stokes - Cum Laude

Bachelor of Science in Wildlife Ecology and Management
Cheyanne M Boucher - Magna Cum Laude
Zachary L Evans
Tony Collin Lammers
Russell William Lipe - Cum Laude
Andrew Steven Meyer - Cum Laude
Samantha Frey Stokes - Cum Laude

Doctor of Philosophy in Applied Cognitive Science and Human
Jason T Sterkenburg
Pei Hou
FNU Kavitha Satish Kumar
Rui Shi
Gemchis Dereje Degaga
Ashok Khanal

Doctor of Philosophy in Atmospheric Sciences
Ting Bao
Bryan Michael Franklin
Zhaoxiang Jin
Wei Kuang

Doctor of Philosophy in Biological Sciences
Mehdi Jafari
Husam Ibrahim Sweidan
Xueqian Zhao

Doctor of Philosophy in Chemical Engineering
Tanvir Rashid Khan
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Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Civil Engineering
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Yanyu Wang
Le Zhao
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Doctor of Philosophy in Computer Science
Tanvir Rashid Khan
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Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Electrical Engineering
Tanvir Rashid Khan
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Zhenchuan Wang
Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Engineering - Environmental Engineer
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
Liang Chang
Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Forest Science
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
Liang Chang
Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Industrial Heritage and Archaeology
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
Liang Chang
Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Materials Science and Engineering
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
Liang Chang
Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Mechanical Engineering - Engineering
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
Liang Chang
Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
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Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Mathematical Sciences
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
Liang Chang
Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Doctor of Philosophy in Mechanical Engineering - Engineering
Tanvir Rashid Khan
John James Henderson
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Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
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Brandon Alexander Jackson
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Le Zhao
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Doctor of Philosophy in Physics
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
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Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
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Brandon Alexander Jackson
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Yanyu Wang
Le Zhao
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Doctor of Philosophy in Rhetoric, Theory and Culture
Tanvir Rashid Khan
John James Henderson
Sean Michael Gohman
Liang Chang
Samuel David Judge
Xiaoyu Liang
Zhenchuan Wang
Xinlan Yang
Huanhuan Zhu
Brandon Alexander Jackson
Shuo Wang
Yanyu Wang
Le Zhao
Saeedeh Ziaeefard

Rebecca A Soderna
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<tbody>
<tr>
<td>Master of Business Administration</td>
<td>Shamshun Nisa</td>
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<td>Brady James Tervo</td>
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<tr>
<td>Master of Engineering</td>
<td>Michael D Elbert</td>
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<td>Master of Forestry</td>
<td>Justin Frank-James Martinchek</td>
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<td>Master of Geographic Information Science</td>
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<td>Master of Science in Accounting</td>
<td>Joshua Merrill Davis</td>
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<td>Master of Science in Applied Cognitive Science and Human Factors</td>
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Michigan Technological University
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Krishna Karan Kumar Mendu
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Venkatesh Vaikuntaraman
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Ankitha Pille
Praneeth Varma Rudraraju
Kuber Dutt Sharma
Sameena Thabassum
Aseem Upadhyay
Eric Vasey
Jiaxing Zou

Master of Science in Computer Science

Chetan Parish Badgujar
Akshay Dilip Gaonkar
Rahul Gowla
Bharath Inti
Dhairya Kothari
Ibrahim Odumas Odufowora
Kishen Saravanan
Ling Zhang

Master of Science in Data Science

Arpit Agarwal
Nishant Arora
Tammo Bhattacharjee
Ganesh Mukund Bide
Abhishek Kallappa Bilagi
Aditya Vilas Bobade
Britton Thomas Borlace
Chinmaya Chaitanya Chhatre
James Everett Davis
Ameya Shirishkumar Deshpande
Neeraj Anil Deshpande
Dipti Deswal
Joshua A Dillon
Deep Chandresh Doshi
Vatsal Jayesh Gada
Sarvesh Avinash Gadre
Rutwick Salil Garude
Nikhil Jagirdar
Zhihang Jin
Prudvi Raj Kandragula
Sourabh Vijay Kulkarni
Yogendra Vijay Kulkarni
Atul Kumar
Manisha Mallik
Shreekant Vishwas Marwadi
Sreekanth Somasundaran Menon
Eric Scott Monte
Sandesh Balkrishna More
Aswin Muralidharan
Bradley David Nelson
Kunle Titus Olutomilayo
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Siddhesh Yogaraj Pimpale
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Erron Raifsnider
Venkata Sampath Sowjanya Murthy Rallapalli
Arpitkumar Pankajkumar Rana
Swapnil Suresh Rathod
Sarala Ravindra
Aniket Kiran Samel
Alper Savasci
Malaykumar Niyushkumar Shah
Nitinkumar Nandkishor Shah
Dhruv Sharma
Sharabh Ramshiromani Shukla
Rajat Singh
Shivank Singh
Abhijeet Kishorsingh Sukede
Manikandan Sundararaman
Abhishek Shriram Umachigi
Xingyu Zhao

Master of Science in Environmental Engineering
Helen Ann Amiri
Ashley Nicole Hendricks
Matthew Jacob Nichols
FNU Priyadarshini Mugdha Nishant
Marina Roxann Samp
Kiran Udayakumar
Taylor L Wiegand

Master of Science in Environmental and Energy Policy
Himamshu Ghimire

Master of Science in Geology
Toni Lynn Larche

Master of Science in Industrial Archaeology
Mark Whitney Dice
Matthew Jon Durocher

Master of Science in Integrated Geospatial Technology
Ausama Mohammed Yaseen Al Shammar
Akila Bulus Mangey Ronald
Sanidhya Tyagi

Master of Science in Kinesiology
Brenna Lynn Heise
Kirsen Ann Hudak
Mackenzie Marie Perttu

Master of Science in Materials Science and Engineering
Kaiming Chang
Nathan E Peterson
Kiran Sai Kumar Sama
Vasundhara Shinde

Master of Science in Mathematical Sciences
Casey M Bindas
Miao Cai
Cheng Gao
Melinda A Kleczynski
Aditya Kumar
Yunxiang Peng
Fadhila Mustafa Yosof

Master of Science in Mechanical Engineering
Ashish Ashok Apine
Harmanpreet Singh Bains
Vatsal Bajpai
Michigan Technological University
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Yash Borghate
Pranav Mahesh Chaudhary
Siddharth Dahiya
Siddhant Yogesh Dange
Harshul Sushil Dawani
Harsh Madhurao Devagiri
Alston Louis Dsouza
Gnana Vishnu Durgam
Jon Einar Furlich
Ninad Ravindra Gadre
Paras Ravindra Ghumare
Siddharth Bharat Gopujkar
Ankit Goyal
Akarsh Gupta
Prasoon Gupta
Rajiv Kamaraj
Sagar Jayant Kamat
Kartik Khanna
Shrinivas Shashikant Kulkarni
Prince Anis Lakhani
David Conrad Leach
Chirag Balasaheb Mane
Venkatesh Narsingrao Mantalwad
Omkar Amrit Marathe
Tyler John Menucci
Akash Modi
Hemang Ishwarbhai Moradia
Eric Richard Mordorski
Sambhav Rajendra Mutha
Arjun Amol Ogale
Sarvesh Ramesh Paranjape
Murchana Pathak
Abhishek Ramchandra Patil
Rohan Vijay Patil
Adam Patrick
Sai Harsha Pedamallu
Derryl James Poynor
Kaushik Prabhu
Smruti Babusing Rathod
Vineet Felix Rodrigues
Siddhant Dipak Ruia
Kovid Sachdeva
Vaibhav Sehgal
Steven Anthony Senczyszyn
Siddhant Shailesh Shah
Prakhar Sharma
Shashank Sharma
Shrishanth Rathnakar Shetty
Arjun Singh
Rahul Pratap Singh
<table>
<thead>
<tr>
<th>Master of Science in Medical Informatics</th>
<th>Karthik Sirangi</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Sarvesh Satish Tendolkar</td>
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<tr>
<td></td>
<td>Paras Trikha</td>
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<td>Akhil Umat</td>
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<td>Hemant Verma</td>
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<td>Abhinav Yadav</td>
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<td>Rajeshwar Yadav</td>
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<tr>
<td>Master of Science in Mining Engineering</td>
<td>Shruti Mohan Amre</td>
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<tr>
<td>Master of Science in Physics</td>
<td>Nathan Matthew Gauss</td>
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<tr>
<td></td>
<td>Fanteri Aji Dharma Suparno</td>
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<td></td>
<td>Matthew Tyler Coel</td>
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<tr>
<td></td>
<td>Andrew Lloyd Robare</td>
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<tr>
<td>Master of Science in Rhetoric, Theory and Culture</td>
<td>Olayemi Benjamin Awotayo</td>
</tr>
<tr>
<td></td>
<td>Emma Maximina Lozon</td>
</tr>
<tr>
<td></td>
<td>Megan Lee Pietruszewski</td>
</tr>
</tbody>
</table>

*Addendum to Conferral:*

Sean P Casey degree awarded in term 201708

Michigan Technological University Student Records and Registration 27-Jun-2018
V-C. GIFTS

Attached is a fiscal year to date comparative report of gifts to Michigan Technological University and the Michigan Tech Fund.

RECOMMENDATION: That the Board of Trustees acknowledges the gifts to Michigan Technological University.
Michigan Technological University  
Michigan Tech Fund  
Fundraising Productivity Report  
July 1, 2017 through June 30, 2018  
Compared to Prior Year

<table>
<thead>
<tr>
<th>Source</th>
<th>FY18 YTD Total</th>
<th>FY17 YTD Total</th>
<th>FY17 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individuals - Major Gifts (25K and up)</td>
<td>6,551,844</td>
<td>2,555,313</td>
<td>2,555,313</td>
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<tr>
<td>Realized Planned Gifts (Unanticipated)</td>
<td>2,132,476</td>
<td>25</td>
<td>25</td>
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<tr>
<td>Individuals - non-Major Gifts</td>
<td>1,941,837</td>
<td>1,776,743</td>
<td>1,786,697</td>
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<tr>
<td>Full Value New Planned Gift Commitments</td>
<td>12,138,000</td>
<td>33,482,905</td>
<td>33,482,905</td>
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<tr>
<td>Annual Fund</td>
<td>1,411,707</td>
<td>1,366,859</td>
<td>1,491,595</td>
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<tr>
<td>Corporate Sponsored Research</td>
<td>10,717,934</td>
<td>460,485</td>
<td>3,025,560</td>
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<tr>
<td>Corporations</td>
<td>2,142,465</td>
<td>2,957,112</td>
<td>2,937,112</td>
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<tr>
<td>Foundations &amp; Other Organizations</td>
<td>194,962</td>
<td>288,574</td>
<td>288,574</td>
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<tr>
<td>Gifts-in-Kind</td>
<td>162,612</td>
<td>147,802</td>
<td>147,802</td>
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<tr>
<td><strong>Grand Total</strong></td>
<td><strong>37,393,837</strong></td>
<td><strong>43,035,819</strong></td>
<td><strong>45,715,584</strong></td>
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</table>

-- Except for the Annual Fund, all totals include outright gifts and the full amount of new pledge commitments  
-- Annual Fund includes cash from prior year pledges in addition to outright current year gifts and new pledge commitments due current year  
-- An individual's gifts given through another source (i.e. family foundation or closely held business) are credited to the individual

07/17/2018  08:07
V-D. RESIGNATIONS, RETIREMENTS AND OFF PAYROLL

Attached is a report of resignations, retirements and off payroll which have been approved by the President and are included for his convenience in recommending acceptance by the Board.

RECOMMENDATION: That the Board of Trustees accepts the resignations, retirements and confirms the off payroll determinations.
**BOARD OF TRUSTEES OFF-PAYROLL REPORT**  
(April 15, 2018 – July 14, 2018)

### RETIRED

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Department</th>
<th>Title</th>
<th>Most Recent Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anderson, Ricky</td>
<td>Staff</td>
<td>Keweenaw Research Center</td>
<td>Maintenance Mechanic</td>
<td>03/29/1979</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Beaudry, Teresa</td>
<td>Staff</td>
<td>Wadsworth Hall Food Service</td>
<td>Food Service Helper</td>
<td>09/03/1992</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Benda, Diane</td>
<td>Staff</td>
<td>School of Business and Economics</td>
<td>Director of Administration</td>
<td>04/24/2007</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Brady, M</td>
<td>Faculty</td>
<td>Humanities</td>
<td>Professor</td>
<td>08/17/2003</td>
<td>05/11/2018</td>
</tr>
<tr>
<td>Erlandson, Roy</td>
<td>Staff</td>
<td>Mont Ripley</td>
<td>Equipment Operator/Mechanic</td>
<td>09/01/2005</td>
<td>04/27/2018</td>
</tr>
<tr>
<td>Frendewey, James</td>
<td>Staff</td>
<td>School of Technology</td>
<td>Dean</td>
<td>08/28/1989</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Garrow, Diane</td>
<td>Staff</td>
<td>Innovation &amp; Industry Engagement</td>
<td>Manager, Student Design/Academic</td>
<td>04/02/1984</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Hendrickson, Julie</td>
<td>Staff</td>
<td>College of Engineering</td>
<td>Director of Administration</td>
<td>06/26/1989</td>
<td>07/04/2018</td>
</tr>
<tr>
<td>Hodges, Jill</td>
<td>Staff</td>
<td>Van Pelt and Opie Library</td>
<td>Interim Director, Van Pelt and Opie Library</td>
<td>08/20/2001</td>
<td>06/30/2018</td>
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<tr>
<td>Johnson, Mark</td>
<td>Faculty</td>
<td>College of Engineering</td>
<td>Associate Professor</td>
<td>01/06/2002</td>
<td>05/05/2018</td>
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<tr>
<td>Kentala, Jackie</td>
<td>Staff</td>
<td>Sports &amp; Recreation Operations</td>
<td>Custodian</td>
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<td>05/18/2018</td>
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<tr>
<td>Kilpela, Don</td>
<td>Staff</td>
<td>Merchandising Operations</td>
<td>Textbook Manager</td>
<td>06/05/1985</td>
<td>06/29/2018</td>
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<tr>
<td>Laitinen, Sheila</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Custodian</td>
<td>03/09/1980</td>
<td>04/27/2018</td>
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<tr>
<td>Mroz, Gail</td>
<td>Staff</td>
<td>Advancement</td>
<td>Stewardship Officer</td>
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<td>06/30/2018</td>
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<tr>
<td>Nakkula, Diane</td>
<td>Staff</td>
<td>Vice President for Finance</td>
<td>Administrative Assistant</td>
<td>03/06/1989</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Nordstrom, David</td>
<td>Staff</td>
<td>Sports &amp; Recreation Operations</td>
<td>Associate Athletic Director, Facilities &amp; Operations</td>
<td>07/21/1982</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Pennington, Wayne</td>
<td>Staff</td>
<td>College of Engineering</td>
<td>Dean</td>
<td>08/12/1994</td>
<td>06/30/2018</td>
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<tr>
<td>Perander, Margaret</td>
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<td>Mathematical Sciences</td>
<td>Administrative Aide 7</td>
<td>08/31/1998</td>
<td>07/06/2018</td>
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<tr>
<td>Seely, Bruce</td>
<td>Staff</td>
<td>College of Sciences &amp; Arts</td>
<td>Dean</td>
<td>09/01/1986</td>
<td>06/30/2018</td>
</tr>
<tr>
<td>Sharik, Terry</td>
<td>Staff</td>
<td>School of Forest Resources &amp; Environmental Science</td>
<td>Dean/Robbins Chair</td>
<td>07/01/2012</td>
<td>06/30/2018</td>
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<tr>
<td>Vertin, Sarah</td>
<td>Staff</td>
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<td>Coordinator for Gift Planning Administration</td>
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<td>Wareham, Diane</td>
<td>Staff</td>
<td>Admissions</td>
<td>Office Assistant 6</td>
<td>08/10/1987</td>
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</tbody>
</table>

### OFF-PAYROLL

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Department</th>
<th>Title</th>
<th>Most Recent Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aden, Samuel</td>
<td>Staff</td>
<td>Michigan Tech Research Institute (MTRI)</td>
<td>Assistant Research Scientist</td>
<td>05/12/2014</td>
<td>04/21/2018</td>
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<tr>
<td>Birmingham, Mary</td>
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<td>Registrar's</td>
<td>Office Assistant 6</td>
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<td>07/06/2018</td>
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<tr>
<td>Brundage, Herbert</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Director, Custodial Services</td>
<td>08/14/2017</td>
<td>05/09/2018</td>
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<tr>
<td>Cameron, Kimberly</td>
<td>Coach</td>
<td>General Athletics</td>
<td>Head Coach, Women's Basketball</td>
<td>09/23/2005</td>
<td>04/26/2018</td>
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<tr>
<td>Chabalowski, Cary</td>
<td>Staff</td>
<td>Chemistry</td>
<td>Department Chair</td>
<td>07/15/2013</td>
<td>06/30/2018</td>
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<tr>
<td>Fabian, Christina</td>
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<td>Mechanical Engineering-Engineering Mechanics</td>
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<td>08/15/2016</td>
<td>06/04/2018</td>
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<tr>
<td>Gochis, Emily</td>
<td>Staff</td>
<td>Provost and VP for Academic Affairs</td>
<td>Curriculum &amp; Professional Development Associate</td>
<td>04/24/2017</td>
<td>06/30/2018</td>
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<tr>
<td>Kangas, Gary</td>
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<td>04/02/2018</td>
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<tr>
<td>Kaurala, David</td>
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<td>Residential Dining</td>
<td>Food Service Helper</td>
<td>04/09/2018</td>
<td>04/22/2018</td>
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<tr>
<td>Kaurala, Gregory</td>
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<td>Facilities Management</td>
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<td>05/06/2018</td>
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<tr>
<td>Name</td>
<td>Class</td>
<td>Department</td>
<td>Title</td>
<td>Most Recent Hire Date</td>
<td>Term Date</td>
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<tr>
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<td>Kilgas, Sara</td>
<td>Staff</td>
<td>School of Business and Economics</td>
<td>Outreach Manager</td>
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<td>06/01/2018</td>
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<td>Kosiba, Bradley</td>
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<td>Kunkel, Austin</td>
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<td>Auxiliary Services</td>
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<td>05/05/2018</td>
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<td>Miron, Christine</td>
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<td>04/30/2018</td>
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<td>Michigan Tech Research Institute (MTRI)</td>
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<td>06/16/2018</td>
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<tr>
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<td>Center for Technology &amp; Training</td>
<td>CRM Administrator / Software Support Analyst</td>
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<td>06/19/2018</td>
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<tr>
<td>Robinett, Rush</td>
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<td>Professor/Henes Chair</td>
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<td>06/30/2018</td>
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<tr>
<td>Schwartz, Christopher</td>
<td>Faculty</td>
<td>Kinesiology/Integrative Physiology</td>
<td>Lecturer</td>
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<td>05/11/2018</td>
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<tr>
<td>Siler, Krista</td>
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<td>Assistant Director Athletic Communications</td>
<td>04/04/2016</td>
<td>04/21/2018</td>
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<tr>
<td>Song, Juan</td>
<td>Staff</td>
<td>Provost and VP for Academic Affairs</td>
<td>Data &amp; Research Informatic Specialist</td>
<td>02/13/2017</td>
<td>05/31/2018</td>
</tr>
<tr>
<td>Song, Min</td>
<td>Staff</td>
<td>Computer Science</td>
<td>Department Chair</td>
<td>10/12/2014</td>
<td>06/30/2018</td>
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<td>Therrian, Jamie</td>
<td>Staff</td>
<td>Public Safety &amp; Police Services</td>
<td>Operator Dispatcher</td>
<td>08/22/2011</td>
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<tr>
<td>Thome, Matthew</td>
<td>Coach</td>
<td>General Athletics</td>
<td>Strength &amp; Conditioning Coach</td>
<td>09/04/2012</td>
<td>06/30/2018</td>
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<tr>
<td>Wadessson, Renee</td>
<td>Staff</td>
<td>Vice Pres for Research</td>
<td>Office Assistant 6</td>
<td>04/24/2017</td>
<td>04/20/2018</td>
</tr>
<tr>
<td>Wang, Siyu</td>
<td>Staff</td>
<td>Institutional Research</td>
<td>Research Analyst</td>
<td>01/30/2017</td>
<td>05/13/2018</td>
</tr>
<tr>
<td>Wareham, Donald</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Custodian</td>
<td>10/02/2008</td>
<td>06/14/2018</td>
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<tr>
<td>Xia, Xiaohu</td>
<td>Faculty</td>
<td>Chemistry</td>
<td>Assistant Professor</td>
<td>08/18/2014</td>
<td>05/04/2018</td>
</tr>
</tbody>
</table>
V-E. TENTATIVE 2019 MEETING DATES

At the September 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 problem with any of these dates, members are asked to please notify the Board Secretary.

- Wednesday, February 27-28 Retreat
- Friday, March 1, 2019
- Friday, May 3, 2019 (Commencement – Saturday, May 4)
- Thursday, August 1, 2019 (Alumni Reunion)
- Friday, October 11, 2019
- Friday, December 13, 2019 (Commencement – Sat., December 14)

This is an informational item for the Board.
V-F. MICHIGAN TECHNOLOGICAL UNIVERSITY/MICHIGAN TECH FUND AGREEMENT

Attached is the form of a proposed agreement to continue the provision of space and services to the Michigan Tech Fund for the period September 1, 2018 to August 31, 2019.

Successful continuation of the relationship between Michigan Tech and the Michigan Tech Fund is subject to the Fund's qualification as an institution permitted certain privileges with respect to credits on Michigan income tax. Specifically, Public Act No. 290 of 1974 reads in part:

“The tax credit shall be permitted only where the donee corporation, fund, foundation, trust or association is controlled or approved and reviewed by the governing boards of the institutions benefitting from the charitable contributions. Such nonprofit corporation, fund, foundation, trust, or association shall provide copies of their annual independently audited financial statements to the auditor general of the state and chairmen of the senate and house appropriations committees.”

RECOMMENDATION: That the Board of Trustees approves the Michigan Technological University/Michigan Tech Fund agreement and also, that the Board goes on record as having reviewed and approved the operations of the Michigan Tech Fund to continue as a recipient of donations eligible for the State of Michigan income tax credit.
AGREEMENT BETWEEN MICHIGAN TECHNOLOGICAL UNIVERSITY AND THE MICHIGAN TECH FUND

This Agreement made September 1, 2018 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, 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. The University will partially fund the alumni database maintenance conducted by the Fund.

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 August 31, 2019 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.

By:

Michigan Technological University

By:

Michigan Tech Fund
VI. ACTION/DISCUSSION ITEMS

A. Employee Recognition
B. Emeritus Rank
C. Michigan Council for the Arts
D. Board of Trustees Title IX Resolution
VI-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.) Ricky Anderson – 39 years of service
2.) David Nordstrom – 36 years of service
VI-B. EMERITUS RANK

Recommendation for the granting of faculty emeritus status originates within the retiree’s academic department and proceeds through the respective college and school. 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: That the Board of Trustees approves the following emeritus appointments:

Michael Irish, Professor Emeritus, Visual and Performing Arts
OFFICE MEMO

TO: Michigan Technological University Board of Trustees
FROM: Jared Anderson, Chair, Visual and Performing Arts
DATE: 5/1/2018

SUBJECT: Recommendation for Emeritus Status

The faculty of the Visual and Performing Arts Department voted on 5/1/2018 to request that the Michigan Technological University Board of Trustees name Michael Irish as Associate Professor Emeritus upon his retirement on July 2, 2018.

Though MTU has no music majors, the Lab Band, the jazz combos Hi-Tech, Momentum, and Jaztec have been selected 9 times as the outstanding performance groups at the most prestigious jazz festivals in the Midwest. Professor Mike Irish has been the Director of Jazz Studies at MTU from 1991-2018. He is a graduate of MTU (1974) and was a student of Don Keranen in the early days of the jazz program. In 1994, Irish led the Jazz Lab Band in its first CD recording "Tech Jazz". This CD was recorded with the revolutionary Mercedes Benz "Achen Head" recording microphone system of which there are only two in the world. The Jazz Lab Band was the first large jazz ensemble in history to be recorded with this $25,000 microphone system. Subsequent CD’s included “Watch Your Step” and “Framework”.

Approved

[Signature]
Department Chair/School Dean

[Signature]
College Dean

[Signature]
Provost and Vice President for Academic Affairs

[Signature]
President

5/4/2018
Date

5/4/2018
Date

5/14/2018
Date

5/16/2018
Date

(revised 9/21/16)
VI-C. MICHIGAN COUNCIL FOR THE ARTS

The Rozsa Center for the Performing Arts has prepared a proposal for submission to the Michigan Council for the Arts and Cultural Affairs. The funds requested in this proposal will support the costs associated with artist fees for the annual Presenting Series as well as partially support the following:

- 11/10/18: Pinocchio, a theatrical production from Tout à Trac that revisits Collodi’s tale about the world’s most famous puppet: Pinocchio
- 11/30 and 12/1/18: The Nutcracker, presented by The Minnesota Ballet and Keweenaw Symphony Orchestra, joined by young local dancers from the Superior School of Dance
- 2/16/19: Les Ballets Trockadero de Monte Carlo, the infamous all-male comedy ballet company, established in 1974
- 3/23/19: AIR PLAY, a modern circus-style spectacle that brings to life the air we breathe
- 3/31/19: Reduced Shakespeare Company presents The Complete Works of William Shakespeare (abridged) [revised] - all 37 plays performed in 97 minutes

The amount of the grant request is $30,000.

The Michigan Council for the Arts and Cultural Affairs requires that proposals submitted to them for funding be authorized by the Board of Trustees.

RECOMMENDATION: That the Board of Trustees endorse the proposal from the Rozsa Center for the Performing Arts for submission to the Michigan Council for the Arts and Cultural Affairs.
VI-D. BOARD OF TRUSTEES RESOLUTION - August 2, 2018

This resolution is adopted by the Board of Trustees to assist it in the performance of its Constitutional and Statutory duties, including compliance with Michigan Public Act 265 of 2018 (“the Act”).

1. The University President shall, not later than August 31, 2018 and as may be required thereafter, provide to the Board of Trustees through the Board Secretary confirmation that the University has created and continues to update a Public Transparency Website and Campus Safety Information and resources link including the information required by sections 245. (1) and 245a. (1) of the Act. The President is authorized to execute any certification(s) of compliance required on behalf of the University to the State Budget Director.

2. The President is authorized to certify to the State Budget Director as required by Section 265. (1) of the Act, the University compliance with the tuition and fee rate restraints unless the Board of Trustees determines to not comply with the requirements necessary for certification.

3. The President is authorized to certify to the State Budget Director and to the designated Legislative entities as required by Section 265(1) of the Act, the University’s compliance with the provisions of sections 265.a. (1) and 265b. (1) and (2) of the Act.

4. The Board of Trustees designates the Board Chairperson, or the Chairperson-elect if between Chairs, as the member of the Board to review all Title IX reports involving the alleged sexual misconduct of an employee of the University.

5. The President is authorized to file the reports required by Sections 274c and 274d. (1) of the Act.

6. Each of the above reports or certification shall be prepared and certified in good faith and to the best of knowledge of the University employee(s) and officers involved recognizing the ambiguity of the Act and complexities of compliance. Any inability to render such a good faith determination or certification and the reasons for the inability must be noted in the report or certification.

RECOMMENDATION: That the Board of Trustees approves the Resolution to assist it in the performance of its Constitutional and Statutory duties, including compliance with Michigan Public Act 265 of 2018 (“the Act”).
VII. INFORMATIONAL ITEMS

A. Analysis of Investments
B. University Issued Bond Balances
C. Research and Sponsored Programs Report
D. Advancement and Alumni Engagement Report
E. Recent Media Coverage
F. Employee Safety Statistics
VII-A. ANALYSIS OF INVESTMENTS

Attached are analyses of investments as of June 30, 2017 to June 30, 2018.
### MICHIGAN TECH UNIVERSITY

**INVESTMENT PORTFOLIO**

**JUNE 30, 2017 THROUGH JUNE 30, 2018**

<table>
<thead>
<tr>
<th></th>
<th>6/30/2017</th>
<th>6/30/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Money Market Fund</td>
<td>$ 54,298</td>
<td>$ 2,140,030</td>
</tr>
<tr>
<td>Equity Funds:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Columbia Seligman Com CL A</td>
<td>244,442</td>
<td>-</td>
</tr>
<tr>
<td>Delaware Value Fund</td>
<td>2,299,754</td>
<td>-</td>
</tr>
<tr>
<td>Fidelity Advisor Biotechnology CL A</td>
<td>242,283</td>
<td>-</td>
</tr>
<tr>
<td>Fidelity Advisor Health Care CL A</td>
<td>247,914</td>
<td>-</td>
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<tr>
<td>First Eagle Global Class A</td>
<td>249,613</td>
<td>-</td>
</tr>
<tr>
<td>Vanguard Extended Market Index Fund</td>
<td>2,730,112</td>
<td>-</td>
</tr>
<tr>
<td>Vanguard 500 Index Fund</td>
<td>9,908,159</td>
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</tr>
<tr>
<td>Core Equity Fund</td>
<td>-</td>
<td>8,672,775</td>
</tr>
<tr>
<td>Commonfund Strategic Solutions Equity Fund</td>
<td>-</td>
<td>5,316,134</td>
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<tr>
<td>Total Equity Funds</td>
<td>15,922,277</td>
<td>13,988,909</td>
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<tr>
<td>Fixed Income Funds:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lord Abbett Bond Debenture Fund</td>
<td>8,265,627</td>
<td>-</td>
</tr>
<tr>
<td>Lord Abbett Short Duration Income Fund</td>
<td>7,502,812</td>
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<tr>
<td>Intermediate Term Fund</td>
<td>-</td>
<td>6,348,165</td>
</tr>
<tr>
<td>Commonfund Contingent Asset Portfolio</td>
<td>-</td>
<td>7,442,980</td>
</tr>
<tr>
<td>High Quality Bond Fund</td>
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<td>5,328,730</td>
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<tr>
<td>Total Fixed Income Funds</td>
<td>15,768,439</td>
<td>19,119,875</td>
</tr>
<tr>
<td>Total</td>
<td>$ 31,745,014</td>
<td>$ 35,248,814</td>
</tr>
</tbody>
</table>

#### Current Asset Allocation

- **Money Market, 6%**
- **Fixed Income, 54%**
- **Equities, 40%**

**Note:** During fiscal year 2018, investments were transitioned to the Commonfund. The "Change" and "Fiscal-Year End Investment Return" columns that normally appear on this report were removed because of this transition.
VII-B. UNIVERSITY ISSUED BOND BALANCES

Attached is an analysis of net revenues, debt retirement, and trustee reserve funds for University Bonded Operations for the period ended June 30, 2018.
<table>
<thead>
<tr>
<th>Bonds Outstanding</th>
<th>Long-Term Outstanding Amount</th>
<th>Current Outstanding Amount</th>
<th>Total Outstanding</th>
<th>Original Issue Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series 2008 Bond Issue</strong> (maturity 2038)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase of UPPCO Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partial Funding of KRC Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUB Ballroom Renovation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Series 2008 Bond Issue</strong></td>
<td>$5,090,000</td>
<td>-</td>
<td>$5,090,000</td>
<td>$15,880,000</td>
</tr>
<tr>
<td><strong>Series 2009A Bond Issue</strong> (maturity 2039)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Student Apartment Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partial Funding of KRC Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Series 2009 Bond Issue</strong></td>
<td>14,750,000</td>
<td>430,000</td>
<td>$15,180,000</td>
<td>18,235,000</td>
</tr>
<tr>
<td><strong>Series 2010A Bond Issue</strong> (maturity 2040)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Great Lakes Research Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A.E. Seaman Mineral Museum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KRC Building Purchase (Blizzard Building)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life Safety Improvements on Campus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Series 2010 Bond Issue</strong></td>
<td>7,890,000</td>
<td>230,000</td>
<td>$8,120,000</td>
<td>10,975,000</td>
</tr>
<tr>
<td><strong>Series 2012A Bond Issue</strong> (maturity 2034)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refunding of 2003 &amp; 2004 Fixed Rate Bond Issues</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDC Ice Plant and Partial Roof of SDC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Series 2012 Bond Issue</strong></td>
<td>26,350,000</td>
<td>1,310,000</td>
<td>$27,660,000</td>
<td>33,070,000</td>
</tr>
<tr>
<td><strong>Series 2013A Bond Issue</strong> (maturity 2036)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refunding 2006 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refunding partial 2008 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Series 2013 Bond Issue</strong></td>
<td>11,235,000</td>
<td>790,000</td>
<td>$12,025,000</td>
<td>14,265,000</td>
</tr>
<tr>
<td><strong>Series 2015A Bond Issue</strong> (maturity 2046)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniell Heights Renovation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Campus Dining Renovation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel Storage Tank Facility</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Chemical Storage Facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry Labs Renovation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT and Safety Systems Upgrades</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>McNair Hall Bathrooms Renovation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Series 2015 Bond Issue</strong></td>
<td>22,990,000</td>
<td>445,000</td>
<td>$23,435,000</td>
<td>24,295,000</td>
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<tr>
<td><strong>Total - All Bond Issues</strong></td>
<td>$88,305,000</td>
<td>$3,205,000</td>
<td>$91,510,000</td>
<td>$116,720,000</td>
</tr>
</tbody>
</table>
VII-C. RESEARCH AND SPONSORED PROGRAMS REPORT

A report of contracts and grants is attached hereto.

This is for the Board’s information.
### Pre-Proposals Submitted
(excluded from Proposals Submitted figures below)

**FYTD 2017:** 56  
**FYTD 2018:** 52

### Awards Received

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>FY ‘18 as of 6/30</th>
<th>FY ‘17 as of 6/30</th>
<th>FY ‘18 as of 6/30</th>
<th>FY ‘17 as of 6/30</th>
<th>Variance $</th>
<th>Variance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA</td>
<td>55</td>
<td>58</td>
<td>21</td>
<td>35</td>
<td>4,283,806</td>
<td>3,004,822</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>178</td>
<td>168</td>
<td>54</td>
<td>60</td>
<td>8,748,635</td>
<td>11,268,683</td>
</tr>
<tr>
<td>US Department of Agriculture</td>
<td>51</td>
<td>69</td>
<td>59</td>
<td>43</td>
<td>2,161,755</td>
<td>3,977,021</td>
</tr>
<tr>
<td>US Department of Defense</td>
<td>108</td>
<td>90</td>
<td>88</td>
<td>100</td>
<td>11,337,783</td>
<td>12,680,388</td>
</tr>
<tr>
<td>US Department of Education</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>141,292</td>
<td>382,898</td>
</tr>
<tr>
<td>US Department of Energy</td>
<td>43</td>
<td>30</td>
<td>16</td>
<td>17</td>
<td>1,477,511</td>
<td>4,908,866</td>
</tr>
<tr>
<td>US Department of HHS</td>
<td>57</td>
<td>47</td>
<td>10</td>
<td>10</td>
<td>2,211,217</td>
<td>1,703,759</td>
</tr>
<tr>
<td>US Department of Transportation</td>
<td>14</td>
<td>15</td>
<td>9</td>
<td>22</td>
<td>1,495,825</td>
<td>3,264,556</td>
</tr>
<tr>
<td>Other Federal Agencies</td>
<td>48</td>
<td>52</td>
<td>35</td>
<td>35</td>
<td>4,161,237</td>
<td>2,722,642</td>
</tr>
<tr>
<td>State of Michigan</td>
<td>47</td>
<td>31</td>
<td>30</td>
<td>20</td>
<td>2,400,845</td>
<td>1,770,931</td>
</tr>
<tr>
<td>Industrial</td>
<td>169</td>
<td>200</td>
<td>149</td>
<td>190</td>
<td>6,421,821</td>
<td>7,068,997</td>
</tr>
<tr>
<td>Foreign</td>
<td>30</td>
<td>17</td>
<td>20</td>
<td>17</td>
<td>1,094,523</td>
<td>1,184,275</td>
</tr>
<tr>
<td>All Other Sponsors</td>
<td>79</td>
<td>93</td>
<td>43</td>
<td>40</td>
<td>1,461,840</td>
<td>1,570,066</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>882</td>
<td>872</td>
<td>536</td>
<td>592</td>
<td>47,398,090</td>
<td>55,507,904</td>
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<tr>
<td>Gifts**</td>
<td>N/A</td>
<td>N/A</td>
<td>281</td>
<td>305</td>
<td>3,468,475</td>
<td>4,179,577</td>
</tr>
<tr>
<td>Crowd Funding</td>
<td>N/A</td>
<td>N/A</td>
<td>9</td>
<td>17</td>
<td>25,080</td>
<td>26,902</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>882</td>
<td>872</td>
<td>826</td>
<td>914</td>
<td>50,891,645</td>
<td>59,714,383</td>
</tr>
</tbody>
</table>


**Gifts** represent non-contractual funding from corporations, foundations, associations and societies in support of academic programs, scholarships/fellowships, student design & enterprise, research, youth programs and special programs.
Formal Session of the Board of Trustees - VII. Informational Items

-PRELIMINARY-
Vice President for Research
Fiscal Year 2018
4th Quarter
Ended June 30, 2018

TOTAL: $50,891,645

# Percentages of Tenured & Tenure Track Faculty (as either PI or Co-PI)
Submitting Proposals since 07/01/2017
70.1%
On Active Projects as of 06/30/2018
60.2%

<table>
<thead>
<tr>
<th>SPO &amp; IIE Metrics</th>
<th>Administration</th>
<th>College of Engineering</th>
<th>College of Sciences &amp; Arts</th>
<th>Great Lakes Research Center</th>
<th>Keweenaw Research Center</th>
<th>Michigan Tech Research Institute</th>
<th>Pavlis Honors College</th>
<th>School of Business &amp; Economics</th>
<th>School of Forest Resources &amp; Env Science</th>
<th>School of Technology</th>
<th>Totals</th>
<th>Fiscal Comparison</th>
<th>Percent Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposals Submitted</td>
<td>28</td>
<td>429</td>
<td>174</td>
<td>11</td>
<td>64</td>
<td>68</td>
<td>9</td>
<td>2</td>
<td>88</td>
<td>9</td>
<td>882</td>
<td>872</td>
<td>1.1%</td>
</tr>
<tr>
<td>Awards Received</td>
<td>145</td>
<td>325</td>
<td>67</td>
<td>11</td>
<td>84</td>
<td>62</td>
<td>36</td>
<td>7</td>
<td>84</td>
<td>5</td>
<td>826</td>
<td>914</td>
<td>-9.6%</td>
</tr>
<tr>
<td>Federal</td>
<td>892,057</td>
<td>8,526,285</td>
<td>4,623,151</td>
<td>-</td>
<td>4,582,912</td>
<td>3,832,607</td>
<td>-</td>
<td>-</td>
<td>2,894,730</td>
<td>1,321,485</td>
<td>26,673,227</td>
<td>33,569,964</td>
<td>-20.5%</td>
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<tr>
<td>Federal Pass-Through</td>
<td>700,853</td>
<td>4,319,829</td>
<td>331,648</td>
<td>971,301</td>
<td>2,120,628</td>
<td>-</td>
<td>-</td>
<td>89,054</td>
<td>1,904,523</td>
<td>1,184,275</td>
<td>10,343,671</td>
<td>1,184,275</td>
<td>-7.6%</td>
</tr>
<tr>
<td>Foreign</td>
<td>-</td>
<td>894,960</td>
<td>187,663</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>11,900</td>
<td>-</td>
<td>1,094,523</td>
<td>10,343,671</td>
<td>1,184,275</td>
<td>-6.8%</td>
</tr>
<tr>
<td>Gifts</td>
<td>1,945,857</td>
<td>909,593</td>
<td>141,217</td>
<td>2,000</td>
<td>133,307</td>
<td>-</td>
<td>268,500</td>
<td>33,500</td>
<td>34,001</td>
<td>500</td>
<td>3,468,475</td>
<td>4,179,577</td>
<td>-17.0%</td>
</tr>
<tr>
<td>Crowd Funding</td>
<td>-</td>
<td>1,267</td>
<td>-</td>
<td>10,061</td>
<td>-</td>
<td>1,389</td>
<td>-</td>
<td>12,363</td>
<td>-</td>
<td>25,080</td>
<td>26,902</td>
<td>26,902</td>
<td>-6.8%</td>
</tr>
<tr>
<td>Industry</td>
<td>-</td>
<td>2,832,066</td>
<td>525,658</td>
<td>-</td>
<td>2,452,822</td>
<td>19,996</td>
<td>-</td>
<td>17,500</td>
<td>556,279</td>
<td>17,500</td>
<td>6,421,821</td>
<td>7,068,997</td>
<td>-9.2%</td>
</tr>
<tr>
<td>Other</td>
<td>2,400</td>
<td>385,835</td>
<td>696,398</td>
<td>73,408</td>
<td>-</td>
<td>126,297</td>
<td>37,800</td>
<td>2,500</td>
<td>97,202</td>
<td>40,000</td>
<td>1,461,840</td>
<td>1,570,066</td>
<td>-6.9%</td>
</tr>
<tr>
<td>State of MI</td>
<td>330,140</td>
<td>1,062,424</td>
<td>40,406</td>
<td>781,110</td>
<td>-</td>
<td>184,267</td>
<td>-</td>
<td>-</td>
<td>2,498</td>
<td>-</td>
<td>2,408,845</td>
<td>1,770,911</td>
<td>35.6%</td>
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<tr>
<td>Total $ by Division</td>
<td>3,871,307</td>
<td>18,932,259</td>
<td>7,027,014</td>
<td>1,188,166</td>
<td>8,150,403</td>
<td>6,283,795</td>
<td>307,689</td>
<td>53,500</td>
<td>3,698,027</td>
<td>1,379,485</td>
<td>50,891,645</td>
<td>59,714,383</td>
<td>-14.8%</td>
</tr>
<tr>
<td>Fiscal Comparison</td>
<td>2,408,688</td>
<td>27,545,209</td>
<td>7,651,048</td>
<td>211,692</td>
<td>7,842,086</td>
<td>7,095,662</td>
<td>434,983</td>
<td>53,097</td>
<td>6,283,234</td>
<td>184,684</td>
<td>59,714,383</td>
<td>59,714,383</td>
<td>-14.8%</td>
</tr>
<tr>
<td>Percent Change</td>
<td>60.7%</td>
<td>-31.3%</td>
<td>-8.2%</td>
<td>461.3%</td>
<td>3.9%</td>
<td>-11.4%</td>
<td>-29.3%</td>
<td>0.8%</td>
<td>-41.1%</td>
<td>646.9%</td>
<td>-14.8%</td>
<td>-14.8%</td>
<td>-14.8%</td>
</tr>
<tr>
<td>Disclosures Received</td>
<td>25</td>
<td>74.00%</td>
<td>14.00%</td>
<td>-</td>
<td>4.00%</td>
<td>-</td>
<td>-</td>
<td>8.00%</td>
<td>-</td>
<td>25</td>
<td>38</td>
<td>38.00%</td>
<td>-34.2%</td>
</tr>
<tr>
<td>Nondisclosure Agreements</td>
<td>4</td>
<td>51</td>
<td>9</td>
<td>1</td>
<td>13</td>
<td>22</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>103</td>
<td>105</td>
<td>-1.9%</td>
</tr>
<tr>
<td>Patents Filed or Issued</td>
<td>3</td>
<td>10</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4.00%</td>
<td>-</td>
<td>-</td>
<td>25</td>
<td>17</td>
<td>47.1%</td>
</tr>
<tr>
<td>License Agreements</td>
<td>3</td>
<td>10</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>14</td>
<td>18</td>
<td>18</td>
<td>-22.2%</td>
</tr>
<tr>
<td>Gross Royalties</td>
<td>8.57%</td>
<td>65.72%</td>
<td>11.43%</td>
<td>-</td>
<td>8.57%</td>
<td>-</td>
<td>-</td>
<td>5.71%</td>
<td>-</td>
<td>354,545</td>
<td>326,169</td>
<td>8.7%</td>
<td>-</td>
</tr>
</tbody>
</table>

1 Combined Metrics from both the Sponsored Programs Office (SPO) and Innovation & Industry Engagement (IIE)
2 Percentages reflect the proportional contribution from each Division (calculated by dividing the sum of the fractional contributions of all inventors for each unit by the total number of inventors)

74
### Sponsored Awards - Industry- COMBINED

**Fiscal Year 2018**

**4th Quarter**

*Ended June 30, 2018*

**TOTAL: $13,498,188**

<table>
<thead>
<tr>
<th>Industry Segment</th>
<th>FY '18 as of 6/30</th>
<th>FY '17 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>FY '17 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>FY '17 as of 6/30</th>
<th>Variance $</th>
<th>Variance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive</td>
<td>5,626,598</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-1,769,424</td>
<td>-23.9%</td>
</tr>
<tr>
<td>Business &amp; Economics</td>
<td>282,861</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-439,351</td>
<td>-62.1%</td>
</tr>
<tr>
<td>Chemical</td>
<td>268,695</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-113,992</td>
<td>-62.6%</td>
</tr>
<tr>
<td>Civil</td>
<td>1,274,164</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-529,780</td>
<td>71.2%</td>
</tr>
<tr>
<td>Consumer Products</td>
<td>2,236,347</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-703,315</td>
<td>-23.8%</td>
</tr>
<tr>
<td>Defense &amp; Space</td>
<td>507,897</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-216,195</td>
<td>-28.9%</td>
</tr>
<tr>
<td>Energy</td>
<td>194,694</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>37,365</td>
<td>23.7%</td>
</tr>
<tr>
<td>Environmental</td>
<td>923,406</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>393,313</td>
<td>74.2%</td>
</tr>
<tr>
<td>Health</td>
<td>209,673</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5,341</td>
<td>2.6%</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>450,953</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>64,523</td>
<td>26.4%</td>
</tr>
<tr>
<td>Technology</td>
<td>907,730</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>437,947</td>
<td>93.2%</td>
</tr>
<tr>
<td>Other</td>
<td>238,100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5,341</td>
<td>2.6%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>13,498,188</td>
<td>15,930,364</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-2,432,176</td>
<td>-15.3%</td>
</tr>
</tbody>
</table>

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

**Gift numbers include Industry gifts ONLY, not others including Association or Society gifts.**
Michigan Technological University  
**Total PRELIMINARY Research Expenditures by College/School/Division**  
**Fiscal Year 2018 & 2017**  
**As of June 30, 2018 Period 12 and June 30, 2017 Period 12**

<table>
<thead>
<tr>
<th>College/School/Division</th>
<th>Preliminary FY2018</th>
<th>Preliminary FY2017</th>
<th>Variance</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration*</td>
<td>2,827,358</td>
<td>2,823,444</td>
<td>3,914</td>
<td>0.1%</td>
</tr>
<tr>
<td>College of Engineering</td>
<td>29,326,460</td>
<td>24,075,983</td>
<td>5,250,477</td>
<td>21.8%</td>
</tr>
<tr>
<td>College of Science &amp; Arts</td>
<td>16,627,133</td>
<td>16,174,633</td>
<td>452,500</td>
<td>2.8%</td>
</tr>
<tr>
<td>Great Lakes Research Center**</td>
<td>440,030</td>
<td>208,533</td>
<td>231,497</td>
<td>111.0%</td>
</tr>
<tr>
<td>Pavlis Honors College</td>
<td>371,698</td>
<td>279,941</td>
<td>91,757</td>
<td>32.8%</td>
</tr>
<tr>
<td>Keweenaw Research Center (KRC)</td>
<td>8,808,275</td>
<td>7,402,186</td>
<td>1,406,089</td>
<td>19.0%</td>
</tr>
<tr>
<td>Michigan Tech Research Institute (MTRI)</td>
<td>8,510,165</td>
<td>7,986,275</td>
<td>523,890</td>
<td>6.6%</td>
</tr>
<tr>
<td>School of Business &amp; Economics</td>
<td>1,410,355</td>
<td>1,353,540</td>
<td>56,815</td>
<td>4.2%</td>
</tr>
<tr>
<td>School of Forest Resources &amp; Environmental Science</td>
<td>5,542,114</td>
<td>5,636,443</td>
<td>(94,329)</td>
<td>-1.7%</td>
</tr>
<tr>
<td>School of Technology</td>
<td>470,763</td>
<td>536,259</td>
<td>(65,496)</td>
<td>-12.2%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>74,334,351</td>
<td>66,477,237</td>
<td>7,857,114</td>
<td>11.8%</td>
</tr>
</tbody>
</table>

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

**Includes GLRC department (non-academic researchers) expenditures only. All other GLRC center expenditures are shown in the researchers’ respective colleges.
VII-D. ADVANCEMENT AND ALUMNI ENGAGEMENT REPORT

Attached is a report from Dr. Les Cook, Vice President for Student Affairs and Advancement, on the university’s advancement and alumni engagement activities.

This is for the Board’s information.
A total of $37.39 million was raised for Michigan Tech from July 1, 2017 through June 30, 2018, 104% of the fundraising goal of $36.0 million for FY18. Major/Planned Giving raised $21.32 million in FY18 - 115% of its $18.5 million FY goal. Planned giving registry totals $162.8 million as of June 30, 2018. Annual fund raised $1.4 million and overall annual giving was $2.86 million (115% of $2.5 million goal). FY18 Campus Campaign raised $286,532 with faculty and staff participation rate at 25%. The Advancement team made a total of 1065 personal visits in FY18 - 105% of the 1010 visits goal for the entire twelve months.

Alumni Reunion 2018 brings fun for the whole family; new additions include remote sensing at the Quincy Smelter and a champagne toast for our 50-year class join fan favorites like the pasty dinner and Agassiz boat tours. Two dedications will also be taking place this year- the Bernard Family clocktower and bocce ball court. We currently have over 300 people registered for the reunion.

906 Day will take place on September 6. This is a day of engagement in celebration of the Keweenaw and Michigan Tech, both on campus and online, to remind students and alumni what makes this area (the 906) so special and how they impact each other. There will be a variety of activities taking place on campus to include the launch of the new 906 Club. This recognition is to engage and instill a culture of philanthropy in alumni who have graduated in the last ten years.

October 15-18 will mark the 14 Floors spring visit to campus. Guests from California's Bay Area, and SE Michigan are expected to take part in the activities at Michigan Tech. These include social and networking events with students, faculty, and staff, director updates on the Institute of Computing and Cybersystems, a focus on entrepreneurial programs and strategies with the Pavlis Honors College, “Office Hours” mentoring sessions with entrepreneurial students, and a discussion with the Computing & Information Sciences advisory group. In addition, a small contingency of Detroit area alumni from the Entrepreneurs’ Organization (EO) will be participating in events, including the annual Bob Mark Elevator Pitch through the School of Business and Economics - for which the 14 Floors group will serve as judges. There will be multiple opportunities to meet with new leadership on campus, tour laboratories and learning spaces, and see students in action. A final wrap-up meeting will cap the week and serve as an advisory discussion for the overall program. Guests include Dave House, Kanwal Rekhi, Alex Johnson (Facebook), Christine Roberts (VP, Twilio), Tony Altobelli (Asst. Treasurer, Google), among others.

5 under 35 will take place November 12-15. The main event will include 5 outstanding alumni under the age of 35 presenting in their own style, a Ted Talks-like presentation about their careers, importance of following ones passion, how Michigan Tech helped prepare them and the importance of philanthropy on campus. They are presenting with the intent to inspire the students and show that Michigan Tech is the factor for their success.
VII-E. RECENT MEDIA COVERAGE

Included herein are recent news items that have appeared throughout the country.

This is for the Board’s information.
News Media Report
University Marketing and Communications
April 18, 2018 – July 14, 2018*

*You will note that the news media report for today's Board of Trustees meeting is less detailed than usual. University Marketing and Communications (UMC), which has its offices on the Garden Level of the Administration Building, was displaced by the Father’s Day Flood on June 17 and is currently working out of three conference rooms in Wadsworth Hall. Because the group’s operations are limited at this time, the news media report is abbreviated, but will return to a more robust form for the September Board of Trustees meeting.

Data specific to the Father’s Day Flood and Michigan Tech’s response:

Date Range: June 17, 2018 to July 14, 2018

- **Facebook**
  - For the time period of June 17 to July 14 compared to the previous 28 days:
    - Page views up 328%
    - Reach up 993%
    - Engagement up 625%
    - Followers acquired during that time period up 299%
  - Overall, our flood posts had roughly 475,000 impressions.
  - Our top post had 3,200 reshares, 192 comments, 1,200 reactions, and roughly 264,000 impressions.
  - Our top post was also our first flood-related post, at 9 a.m. on June 17. Content was exclusively flood-related until June 22nd, when we started reporting on regular University news and flood updates as needed. Our last flood-related post was on July 1: an Mlive.com article about the Sisu spirit.

- **Twitter**
  - Our top tweet had 200 retweets, 164 likes, and roughly 66,800 impressions.
  - Twitter was exclusively flood-related from June 17 through June 21, with the last flood-related post on June 22.
  - Monthly impression comparisons:
    - Total tweets for the month: 48 in June vs 64 in May
    - Profile visits: 20,700 in June vs 3,900 in May
    - Tweet impressions: 360,000 in June vs 172,000 in May

- **Instagram**
  - Our top post had roughly 1,300 likes and 62 comments.
  - Because you can't easily reshare Instagram posts, we didn't get the signal boost that we saw on Facebook and Twitter. We had a sunset photo the following week that performed about as well as the flood photo.
  - Instagram shared five flood-related posts and got back to business as usual after June 22.

- **LinkedIn**
  - Flood posts performed better than regular posts, but not to the level of Facebook or Twitter.
Our top post had a reach of 14,500. An average LinkedIn post reaches about 5,000.

News Media Report, April 18, 2018 – July 14, 2018

External media coverage:

John Durocher's Meditation Study was covered in Newsweek, Forbes and International Business Times, among many others.

Andre DeCosta was quoted as a safety expert following the Refinery Fire in Superior, Wisconsin, in DOE News Source.

The Research work of researchers Marina Tanasova and Smitha Rao to "Fingerprint Cancer" was featured in Health News Digest.

Michigan Tech Alumnus Michael James '99, was featured in the article "15 of The Greatest Minds in Automobile Engineering Today: Innovators and Key Players to Watch," in Interesting Engineering. James works for Waymo, an autonomous car development company, and was listed at No. 10 on the list.

Simon Carn was cited extensively in connection with the Kilauea Volcano. Among the publications were Earth Observatory, Earth Matters, The Verge, The Inertia.

The Astronomy Picture of the Day (operated in part by Michigan Tech) was featured in The Washington Post.

A research project by a group of Michigan Tech students that proposes replacing the Line 5 pipeline was covered by MLive. Over the next few months, the research project was cited by numerous regional news outlets.

Michigan Tech's annual Winter Study report detailing updates on the ecology of Isle Royale National Park was covered by several media outlets including Popular Science, the Detroit Free Press and the Duluth News Tribune.

The death of Indian industrialist Bansidhar Panda, a Michigan Tech graduate, was covered extensively by international media, including The Economic Times.

The Michigan Tech News story on lithium-ion batteries received extensive coverage and was reprinted by numerous outlets including Power Electronics World.

Winter Carnival was including on the list of the "100 Greatest College Traditions," in Campus Grotto.

An article co-written by Joshua Pearce accessing the nuclear arsenal tipping point was extensively covered by international media outlets, including IFL Science, British Telecommunications, Fox News, Science Daily, the New York Post, the Daily Mail.
Michigan Tech volcanologist Rüdiger Escobar-Wolf was quoted in several articles internationally in connection with Guatemala's Volcano de Fuego, including Earth Observatory.

Michigan Tech alumna Ankitaa Gohain Dalmia was featured in the article "Women Making a Difference," in Recycling Times.

Mechanical Engineering student Justin Mondeik was the subject of a feature article in the Sheboygan Press.

Top-Performing Research News Stories

More Harm Than Good: Assessing the Nuclear Arsenal Tipping Point
Isle Royale Winter Study Celebrates 60 Years
Autodrive Challenge
Break it Down: Understanding the Formation of Chemical Byproducts During Water Treatment
Meditation Could Help Anxiety and Cardiovascular Health
Dispatches from Kilauea: Reflections on the Eruption
GLUT5 Fluorescent Probe Fingerprints Cancer Cells

Top-Performing General News

University Open, Recovery Underway in Wake of Flash Floods
New Grads Present Straits Tunnel Project to Lawmakers
VII-F. EMPLOYEE SAFETY STATISTICS

Included herein is a report from the Health and Safety Task Force and Human Resources.

This is for the Board's information.
### EMPLOYEE SAFETY STATISTICS YEAR-TO-DATE

#### January - June

<table>
<thead>
<tr>
<th>Category</th>
<th>Years</th>
<th>Employee Classification</th>
<th>AFSCME</th>
<th>Faculty</th>
<th>Non-Exempt</th>
<th>POA</th>
<th>Professional</th>
<th>Temporary</th>
<th>UAW</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lost Time Cases</strong></td>
<td>2017</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2018</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td><strong>Restricted Work Cases</strong></td>
<td>2017</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>2018</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td><strong>Occupational Safety and Health</strong></td>
<td>2017</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Administration (OSHA) Recordable</td>
<td>2018</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>Injuries (Total of above)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Injury Only w/Medical - No Loss Time</strong></td>
<td>2017</td>
<td>45</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>46</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>91</td>
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<tr>
<td></td>
<td>2018</td>
<td>24</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>19</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>46</td>
</tr>
<tr>
<td><strong>Restricted Work Days</strong></td>
<td>2017</td>
<td>75</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>49</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>124</td>
</tr>
<tr>
<td></td>
<td>2018</td>
<td>14</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>87</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>101</td>
</tr>
<tr>
<td><strong>Total Work Hours</strong></td>
<td></td>
<td></td>
<td>146,189</td>
<td>410,048</td>
<td>73,789</td>
<td>8,617</td>
<td>540,488</td>
<td>33,686</td>
<td>116,448</td>
<td>1,329,265</td>
</tr>
<tr>
<td><strong>Percentage of Work Hours</strong></td>
<td>2017</td>
<td>11.0%</td>
<td>30.8%</td>
<td>5.6%</td>
<td>0.6%</td>
<td>40.7%</td>
<td>2.5%</td>
<td>8.8%</td>
<td>100.0%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2018</td>
<td>10.6%</td>
<td>30.6%</td>
<td>5.6%</td>
<td>0.7%</td>
<td>41.4%</td>
<td>2.3%</td>
<td>8.8%</td>
<td>100.0%</td>
<td></td>
</tr>
</tbody>
</table>

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.

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

July 2018
VIII. OTHER BUSINESS
IX.  PUBLIC COMMENTS
X. ADJOURNMENT