AGENDA
Formal Session of the Board of Trustees
Michigan Technological University
9:00 a.m. – August 1, 2019 - Ballroom B – Memorial Union Building

I. Approval of Agenda

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

III. Committee Reports
   A. Academic Affairs Committee - Linda Kennedy
   B. Audit and Finance Committee - Steven Tomaszewski
   C. Leadership Committee – Bill Johnson

IV. Consent Agenda
   A. Approval of Minutes
   B. Degrees in Course
   C. Gifts
   D. Resignations, Retirements and Off Payroll
   E. Tentative 2020 Meeting Dates

V. Action/Discussion Items
   A. Employee Recognition
   B. Michigan Council for the Arts
   C. BOT Policy 9.10 International Ambassador Scholarship
   D. Appointment of Secretary

VI. Reports
   A. Advancement and Alumni Engagement - Dr. William Roberts

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. Informal Closed Session for Periodic Personnel Evaluation of President Koubek

XI. Adjournment
I. APPROVAL OF AGENDA

RECOMMENDATION: That the Board of Trustees approves the agenda of the formal session of August 1, 2019 as distributed to the Board.
II. OPENING REMARKS
   A. Chair’s Comments
   B. President’s Comments
III. COMMITTEE REPORTS

A. Academic Affairs Committee - Linda Kennedy

B. Audit and Finance Committee - Steve Tomaszewski

C. Leadership Committee - Bill Johnson
IV. 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 2020 Meeting Dates
IV-A. APPROVAL OF MINUTES

RECOMMENDATION: That the Board of Trustees approves the minutes of the formal session of May 3, 2019 as distributed to the Board.
IV-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:     Kelly L. Vizanko, Associate Registrar
           Registrar's Office

Date:     June 19, 2019

Subject:  Candidates for Degrees – Conferral Term 201901

The attached list of candidates for degrees, beginning with Margaret Janeen Clay and
ending with Zhongyuan Hu 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.

______________________________
Kelly L. Vizanko
Associate Registrar

KLV: kph
<table>
<thead>
<tr>
<th>Degree and Specialization</th>
<th>Name</th>
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<tbody>
<tr>
<td>Bachelor of Arts in English</td>
<td>Margaret Janeen Clay, Megan Marie Hughes, Michael Anthony Robert Santoro</td>
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<td>Bachelor of Arts in History</td>
<td>Dalton J Dlouhy, Ian Kenneth Cooper Provoast, Nathan Stephen Schlorke</td>
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<td>Bachelor of Arts in Physics</td>
<td>Jessica N Brassard, Michael Lindblom Burns, Alexander Norman Gillies</td>
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<td>Bachelor of Arts in Sound Design</td>
<td>Allen M Harrison, Samantha B Palumbo, Christopher Paul Wilson</td>
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<tr>
<td>Bachelor of Arts in Theatre and Electronic Media Performance</td>
<td>Robert James Mampe, Eric Edward Coon</td>
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<tr>
<td>Bachelor of Science in Accounting</td>
<td>Kylie Christine Muonio, Shania Pearl Nixon, Joseph Michael Platz</td>
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<tr>
<td>Bachelor of Science in Anthropology</td>
<td>Morgan Elizabeth Davis, Austin Ryan Feys</td>
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<tr>
<td>Bachelor of Science in Applied Ecology and Environmental Science</td>
<td>Kaylie Mary Butts, Veronica M Porter</td>
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<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Martine Hope Loevaas, Kaelan Robert Anderson</td>
</tr>
<tr>
<td>Bachelor of Science in Audio Production and Technology</td>
<td>Andrew Wyatt Bess, Noah Penner Budd, Michael Christopher Chopp</td>
</tr>
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<td>Bachelor of Science in Biochemistry and Molecular Biology</td>
<td>Heather Lee Bernia, Elise Astrid Cheney-Makens, Daniel Adam Noren</td>
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<td>Bachelor of Science in Biological Sciences</td>
<td>Dominique Taylor Aleo, Hilding Mose Beaudoin, Maya Rose Braden</td>
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<td>Bachelor of Science in Scientific and Technical Communication</td>
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<td>Bachelor of Science in Accounting</td>
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</tr>
</tbody>
</table>

Michigan Technological University
Degrees Awarded for Conferral Term 201901

Emily Jeanne Lilla - Summa Cum Laude
Kathleen Mae Martin
Gregory James Miodonski - Summa Cum Laude
Linda Miodonski - Summa Cum Laude
Jill Elise Poliskey - Summa Cum Laude
Erik M Strandberg - Cum Laude
Piersan Elizabeth Suriano - Magna Cum Laude
Matthew Samuel Tocco
Grant Brendan Wisner
Dane Ryan Wuori - Summa Cum Laude

Bachelor of Science in Biomedical Engineering

Jalen Willson Adams
Travis Lee Altmeyer
Yolanda Penny Hope Anderson
Ryan Spencer Bancroft
Jessica Lee Benson
Matthew A Benz-Weeden
Stephen James Berridge
Floyd John Brinley
Chad Ray Cannon
Margaret Janeen Clay
Ryan Patrick Connolly
Megan S Donovan
Zachary David Drexler - Summa Cum Laude
Lauren Elise Fallu
Collin T Gauthier
Katherine R Gingras
Autumn Brielle Good
Madeline Anne Gust
Jack Henry Hendrick - Magna Cum Laude
Michael Mario Hernandez
Gabrielle Beatrice Hummel
Emil Erik-Arthur Johnson - Cum Laude
Sue Yon Kim
Alyssa Marie Knoester - Magna Cum Laude
Timothy Michael Kolesar
Claire Sophie Langfoss
Jacob Michael Lindsay
Sarah Bonnette Lorenz
Heather Lynn Marker
Lauren Elizabeth Markham
Nehemiah Joseph McIntyre - Summa Cum Laude
Ryker Lee Miles - Cum Laude
Alexander Andrew Oliver - Magna Cum Laude
Elizabeth Ann Polega
Marianne Nicole Preston
Alexander Joseph Prucha  
Lauren Ann Sandy - Magna Cum Laude  
Chance Jacob Sherretz-Hayes  
Trevor Andrew Simmons - Summa Cum Laude  
Hugh Daniel Stanton  
Chelsie Lynn Tischer - Cum Laude  
Zachary Chul Min Vanderstelt - Cum Laude  
Maria Elizabeth Wait - Magna Cum Laude  
Emily Jeanne Weidensee - Cum Laude  
Sonja Rene Welch - Magna Cum Laude  
Korrina Kathleen Baird - Magna Cum Laude  
Zachary William Barr - Magna Cum Laude  
Charlie Lafortune Biyong  
Sarah Theresa Boyd - Cum Laude  
Nathaniel Ryan Bruder - Cum Laude  
Brandon Michael Charbonneau  
Andrew David Christenson  
Rachel Lee Chroninger - Magna Cum Laude  
Olivia Jayne Cordes  
Taylor Nicole DeWitt - Magna Cum Laude  
Robert Lewis Dupont - Magna Cum Laude  
Morgan Elizabeth Elenbaas - Cum Laude  
Margaret Angeline Evans - Magna Cum Laude  
Noelle Christine Eveland - Summa Cum Laude  
Brett Jacob Fisher  
Liesl Corinne Flannery  
Kayla Jo Furmanski  
Mary Elizabeth Galbraith - Magna Cum Laude  
Alexander Robert Gauronskas  
Sean Kevin Golden - Magna Cum Laude  
Christopher Ronald Gorman  
Blake Arthur Graham - Summa Cum Laude  
Hunter Otto Gulbranson - Magna Cum Laude  
Suyang Guo  
Cassandra Ann Harrington - Cum Laude  
Amelia Lauren Henrikson - Summa Cum Laude  
Eva Mae Heydrich  
Melanie Ann Howard - Cum Laude  
Aaron Michael Hubert  
Caroline Marlen Gerarlda Inaury  
Jackson T Jadin  
Emily Lyla Jasinski  
Kyle Thomas Johnson - Magna Cum Laude  
Seth Charles Jones  
Tanya M Juarez
Adeline Marie Koerner - Cum Laude
Quin Bradley Kovar
Seth Allan Kriz - Summa Cum Laude
Keegan Perry Kroening
Zachary Edward Lalonde - Cum Laude
Kathryn Elise Lamy - Cum Laude
Suzannah Judith Lenz - Summa Cum Laude
Kyle Jacob Lickey
Sarah Noelle Livingston - Summa Cum Laude
Zachary James Luedtke
Mya Jean Maanika
Abigail Arlene May - Magna Cum Laude
Bethany Suzanne Merrill
Cameron Stuart Miller - Summa Cum Laude
Bailey Rose Mohrenweiser
Laura Renee Nitz - Summa Cum Laude
Alyssa LeAnn Obert
Antonio A Ochoa
Zachary E Oldenburg
Summer Rain Oley - Magna Cum Laude
Nicholas Robert Olson - Magna Cum Laude
Kendra Vieno Ossanna - Magna Cum Laude
William Glenn Otto
Madison R Paul
Laurel Kathryn Payne - Summa Cum Laude
Trevyn Ryleigh Payne
Madison Ashley Peggs - Cum Laude
Logan Donald Piegols - Summa Cum Laude
Aidan Evans Rhyndress - Magna Cum Laude
Samuel Jacob Root - Cum Laude
Adam Ross Schmidt
Michael Anthony Schroeder
Kyle James Schwiebert - Summa Cum Laude
Christopher T. Sedenquist - Summa Cum Laude
Abigail Renee Steinbrecher - Summa Cum Laude
James Michael Stewart
Rachel Lucille Strobel - Cum Laude
James John-Edward Sutton - Cum Laude
Kyle David Sweeney - Summa Cum Laude
Mark Leo Sylvester
Travis David Taylor
Margaret Elise Tetzloff - Magna Cum Laude
Christa Mariam Thomas
Samuel Robert Traynoff
Sergio Antonio Trujillo-Lopez
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Benjamin Justus Updike - Cum Laude
Michael Thomas Verbeke
Jacob Tyler Voss - Magna Cum Laude
Jacob Nathan Walcott - Summa Cum Laude
Andrew Blackmore Watson
Hailea Marie Weiss - Cum Laude
Isobel Louise Wentworth
George Charles Wesley
Michael P Willig - Magna Cum Laude
Helen Xin-Lei Zhu - Magna Cum Laude

Bachelor of Science in Cheminformatics
Samuel Joseph Willard - Cum Laude
Elisabeth Grace Billman-Benveniste
Jacob Steven Mohar - Magna Cum Laude
Elizabeth Ann Rose
Joseph Vermeylen - Cum Laude

Bachelor of Science in Chemistry
Cody William Baumann
Nathan David Baxter
Malory Lyn Benedetti
Amanda Rae Bink - Summa Cum Laude
Christopher Jon Blough - Cum Laude
Jacob Frank Boecker
Garth Andrew Bogart
Julie Bouwens
Kayla Lynn Brei - Summa Cum Laude
Jacob Vaughn Burch
Chelsea Elizabeth Cedarquist
Sean Michael Clarey
Cole Daniel Conway
Alexandra Rose Costanzo - Cum Laude
Jenna Marie Davids - Magna Cum Laude
Leah Catherine DeSimpelare - Summa Cum Laude
Jianzeng Ding
Magann Elizabeth Dykema - Magna Cum Laude
Alexis Brianna Finch - Cum Laude
Samuel Parrish Gaines - Summa Cum Laude
Riane Sue Greene - Cum Laude
Matthew Peter Haapala
Daniel Lyle Hansen - Magna Cum Laude
Melody Ann Marie Harmon
Peter Cameron Huber
Jakob Stephen Janquart
Charles Edward Jensen
Marisa Nicole Kain
Cameron A Koller
Gregory James Korinek - Cum Laude
Michigan Technological University
Degrees Awarded for Conferral Term 201901

- Erin Marie Lau - Cum Laude
- Kalvin Wayne Lentz
- Zachary John Lynch
- Connor Gregory-Byron McLeod
- Anna Rossini Meese - Cum Laude
- Charles Vincent Miller
- Gregory A Naghtin - Cum Laude
- Ryan Peter Olsen
- Emily Brier Passmore - Summa Cum Laude
- Justin Michael Pavliscak
- Nathan Mark Priest
- Emma Elizabeth Reilly
- Emma Yasuko Rife
- Jacob John Roberts
- Christopher Sean Teahan
- Jennifer Sarah Baker
- Jonathan Tyler Boik
- Jared Michael Burbey
- Steven James Calderon
- Joseph Fa-Wing Chen
- Nicholas Wayne Christensen
- Maxwell James Dalzell
- Christopher J DeWidt
- Karan Hiren Desai
- Jamie Carl Docka
- Anthony John Duda
- Paul Forest Esch-Laurent
- Shaun William Flynn - Cum Laude
- Tristan Thomas Gault
- Caleb Thomas Joyal
- Jordan Matthew Kieltyka
- Emily S Leopold
- Qiyue Lin - Cum Laude
- Vincent Patrick McClintock
- Zachary P Nedzlek
- Colton Elliott Pawielinski
- Cristina Alicia Reyes
- Justin Douglas Scholl
- Shane Michael Skalski
- Joshua Dennis Stauffer
- Devin James Stowe
- Cole Martin Van Camp - Magna Cum Laude
- Matthew James Wellach
- Michael J Wheeler
- Derek Neal Wing

Bachelor of Science in Computer Engineering
Bachelor of Science in Computer Network and System Administration

Daniel Enhua Yan - Cum Laude
Carl E Carter - Summa Cum Laude
Luke Michael Crawford
Derek Brent Daniels
Joseph Macdonald Hansen
Bernard Emory Kluskens - Cum Laude
Kevin Matthew MacDonald
Amanda Marie McCuistion
Benjamin Peter Metzger
David James Ritter
James Paul Sedgewick
Maximilian Alexander Sexauer - Cum Laude

Bachelor of Science in Computer Science

Michael Kent Bandrowski - Cum Laude
Christopher Alonzo Blatt - Cum Laude
Michael Allan Conard - Summa Cum Laude
Aaron Coleman Craig
Sarah Grace Curtis
Piper John Dougherty
Max Storm Faust-Smith
Michael Joseph Fehringer
Dylan Christopher Gaines - Summa Cum Laude
Cameron Jon Geschwendt - Magna Cum Laude
James Anthony Giannunzio
Brook Allison Greening
Brendan Lee Hansknecht - Magna Cum Laude
Joshua Joseph Havens
Alec William Hitchiner
Reuben Christopher Hoover
Ian Andrew Jones
Ethan A Manarin
Michael Lewis Miller
Daniel Alan Morgan
Jonathan David Preuth - Magna Cum Laude
Alec James Rivet
Avrritt Nathaniel Rohwer
Parker John Russcher
Nikolaus Franz Sauer - Cum Laude
Rhiannon Rose Skuse - Summa Cum Laude
Isaac Nathaniel Smith - Cum Laude
William James Stockreef
Shane Thomas Talbot
Collin M Walker
Marissa Lee Walther
Daniel Gromer Warner
Paul Joseph Wrubel
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<tr>
<th>Bachelor of Science in Construction Management</th>
<th>Michigan Technological University Degrees Awarded for Conferral Term 201901</th>
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<tr>
<td>Christian David Albers</td>
<td>Jack Tanner Hendricks</td>
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<td>Jacob Tanner Hendricks</td>
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<td>Jake Kenneth Kessler - Cum Laude</td>
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<td>Brandon Ray Francis Taavola - Cum Laude</td>
<td>Matthew Adam Wray</td>
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<td>Brandon Ray Francis Taavola - Cum Laude</td>
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<td>Bachelor of Science in Electrical Engineering</td>
<td>Elizabeth Ann Adams - Magna Cum Laude</td>
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<td>Trevor Kyle McFadden - Summa Cum Laude</td>
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<td>Zacharias Mikko Mills - Magna Cum Laude</td>
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<td>Tyler James Nelson - Summa Cum Laude</td>
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<td>Lucas Robert Simonson - Summa Cum Laude</td>
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<td>Matthew Scott Sunde</td>
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<td>Brody Maximilian Sundquist</td>
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Michigan Technological University  
Degrees Awarded for Conferral Term 201901

Caitlin Marie Swim - Cum Laude  
Owen David VanTiem  
Abhilash Vinod  
Steven Joseph Whitaker - Summa Cum Laude  
Dawei Wu  

Bachelor of Science in Electrical Engineering Technology
Joseph Vincent DeGrandchamp - Cum Laude  
Joseph E Larson  
Zongguang Liu  
Sawyer James Poel - Cum Laude  
Thomas Raymond Prica - Summa Cum Laude  
Chengzhi Qian - Cum Laude  
Yiran Xia  

Bachelor of Science in Engineering Management
Shan Anthony Amarnani  
Gage Westley Armstrong  
Samuele Gilbert Badalamenti  
Bridget Ann Becker - Magna Cum Laude  
John J Carey  
Alexander R Determan  
Lars M Halonen  
Kalli Rose Hooper - Magna Cum Laude  
Sarah Elizabeth Koerber  
Emma Ann LaFleur - Summa Cum Laude  
Alexander J Smith  
Keaton Steven Thames  

Bachelor of Science in Environmental Engineering
Leah Nicole Bectel - Cum Laude  
Kelly Joseph Bellant  
Kayla Marie Bigelow - Cum Laude  
Hailey Alissa Bondy  
Katelyn C Buchalski - Magna Cum Laude  
Annika Rose Corazzol  
Seamus Vincent Crane  
Sarah Elizabeth Crouch - Cum Laude  
Lacey Jayne Englebert - Magna Cum Laude  
Robyn Nicole Holmes  
Erika S Jarchow  
Amber Lynn Kauppila - Cum Laude  
Karleigh Marie Krieg - Magna Cum Laude  
Alan J Labisch  
Jeffrey Michael Lentz  
Ashley Hope Lingle - Cum Laude  
Michelle Gwendolyn Nitz - Magna Cum Laude  
Michael Timothy Nowak  
Abilynn Elizabeth Raetz  
Jaclyn Elizabeth Roeske  
Adam Stephen Ross
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Amanda Marie Singer
Sean Robert Smith
Amber Gwen Strutz
Robert J Sullivan
Abbie Grace Welch - Cum Laude
Heather Reabel Woodrum

Bachelor of Science in Exercise Science

Amanda Marie Singer
Sean Robert Smith
Amber Gwen Strutz
Robert J Sullivan
Abbie Grace Welch - Cum Laude
Heather Reabel Woodrum

Bachelor of Science in Finance

Maura Isabelle Green
Cameron D Gregg - Cum Laude
Nicholas Gerard Jozefczyk
Wyatt Evan Kalke
Ryan H Piotrowski - Magna Cum Laude
Adam Hunter Rajala

Bachelor of Science in Forestry

Chelsey Renae Bach - Cum Laude
Clark Klasson Cederberg - Magna Cum Laude
Ethan Patrick Dankert
Carly Ann DeVet
Clark William Delzer - Magna Cum Laude
Jake Alan Elmore
Joshua Thaddeus Fontius
Collin James O Hagan
Heidi Ellen Harmala
Trenton Michael Hibner
Edward Andrew Hodges
Cole Joseph Michaud
Dylan James Parker
Elsa Catherine Schwartz - Summa Cum Laude
Danielle Marie Stewart
Rachel J Verran
Jack Daniel Zwart - Cum Laude

Bachelor of Science in Geological Engineering

Paige Marie Courtney - Magna Cum Laude
Allison Brooke Green
Noah Fisher Marino
Madeline Frances Snyder - Magna Cum Laude
Katherine Elaine Thayer
Michigan Technological University

Degrees Awarded for Conferral Term 201901

Bachelor of Science in Management
- Robert James Fergan
- Emanuel Kirkland
- Jackson Reade Pundt - Summa Cum Laude

Bachelor of Science in Management Information Systems
- Mackenzie Anne Pirie
- Paul David Torola - Cum Laude
- Joseph Harold Uren - Cum Laude

Bachelor of Science in Marketing
- Marina N Brusso - Cum Laude
- Morgan Elizabeth Laajala
- Vincent Tyler Padget
- Thomas William Strome - Magna Cum Laude

Bachelor of Science in Materials Science and Engineering
- Katherine Ellen Amar-Fox - Magna Cum Laude
- L. Yani Stephen Beeker - Cum Laude
- Samuel Jeffrey Byrne - Magna Cum Laude
- Mason Alan Coy
- Adam Donald Deyoung
- John James Falecki
- Erin Lynn Heidelberger - Magna Cum Laude
- Kyle David Hrubecky
- Lucas Bradley Itchue - Magna Cum Laude
- Mackenzie Shae Keefer
- Alexander Swift Malliet - Cum Laude
- Eric Thomas Olson
- Dayton Anthony Pax - Cum Laude
- Patrick John Ricchi
- Chelsey Ann Rock - Magna Cum Laude
- Claudia J Smale
- Matthew J Thomas
- Jacob Mark Thompson - Summa Cum Laude
- Casey Jean Vadnais
- Erin J VanDusen
- Joseph Vermeylen - Cum Laude

Bachelor of Science in Mathematics
- Emily Elizabeth Anible - Magna Cum Laude
- Brooke Elizabeth Basto - Summa Cum Laude
- Thomas Arthur Eskola
- Samuel John Groetsch
- Nathanael Z Judge - Cum Laude
- Katya Simone Klebba
- Tessa Kay Kriz - Magna Cum Laude
- Casey J Loring - Cum Laude
- Anthony John Marcich
- Patrick Donovan Mcfall - Summa Cum Laude
- Lucas Daniel Pelegrin - Summa Cum Laude
- Amanda Grace Veenstra - Magna Cum Laude

Bachelor of Science in Mechanical Engineering
- Quintin Jeffry Abel
- David Adamovicz - Cum Laude
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Alexander Salesius Akermann
David J Anna - Summa Cum Laude
Kevin Walatka Anthony
Nicholas Christian Anzalone
Jacob Francis Ashley
John Patrick Bailey - Summa Cum Laude
Ryan Michael Baumann
Jacob Douglas Bennett
Elizabeth Anne Bergh - Summa Cum Laude
Brody Alan Berry
Austin Jason Bittner - Summa Cum Laude
John Albert Blanchard
Trevor Scott Boal - Cum Laude
Monica Rose Brechtling - Cum Laude
Gordon H Brinkman
Nicholas Edmund Brodowski - Magna Cum Laude
Logan Paul Brunette - Cum Laude
Dakota Ryan Calvin Carpenter - Cum Laude
Maximilian James Casler
Cody Joseph Chartier
Yuxin Chen
Austin M Chmura - Summa Cum Laude
Ryan Patrick Connolly
Raymond Roman Coyle - Summa Cum Laude
Trevor Alan Cretney - Cum Laude
Aaron Benjamin Curtiss
Adam Wayne Daavettila
Tania Sofia Demonte Gonzalez - Magna Cum Laude
Aaron T Dene
Noah Maxwell Dobrzelewski - Magna Cum Laude
Riley Joseph Dolan
Jason Christopher Dvorscak
Mitchell T Dzikowicz - Magna Cum Laude
Kevin Ryan Edlebeck
Daniel Grady Ellsworth
Christian Lyle Elsesser
Alex Craig Emmes
Jacob Kyle Erickson
Isidore Emeka Esemonu - Cum Laude
Juan Ali Espinoza-Birruete
Jacob Thomas Evilsizer
Daniel James Faber
Robert William Falzon
Michael James Ferron
Andrew Lawerence Fischer
Michigan Technological University
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Alexander Fritz Flory - Cum Laude
Krista Mary Fog - Cum Laude
Patrick Douglas Free
Carl E Fruncek - Magna Cum Laude
Gabrielle Caitlin Fung
Jessica Taylor Gering
Patrick James Gilland - Magna Cum Laude
Kaleb Patrick Glowacki
Wesley Stewart Gratz
Paul C Hanafin
Daniel Mark Heckman - Magna Cum Laude
Gabrielle Grace Heinz - Magna Cum Laude
Jacob Neal Hendrickson
Jacob Michael Hubert - Magna Cum Laude
Paul David Jacks
Timothy James Jackson - Cum Laude
Landon James Jakubos
Joseph W Jarvi
Emil Erik-Arthur Johnson - Cum Laude
Ethan Dean Johnson
Sarah Ann Jones
Benjamin Glenn Judd - Summa Cum Laude
Jesse Murphy Justice - Magna Cum Laude
Jacob Michael Kaisler - Magna Cum Laude
Quinn I Kaspriak
Alex Edward Keit - Cum Laude
Joshua Dan Kemppainen
Zachary Thomas Kendziorski - Cum Laude
Matthew Michel Kenney
Colton David Kettelhut
Ethan Michael Klein
Benjamin Robert Klinter - Cum Laude
Christian Michael Kniat - Cum Laude
Alyssa Marie Knoester - Magna Cum Laude
Eric James Kostreva
Lily Louise Kraft
Theodore De Filippo Kretzmann
Anthony Robert Lackey
Jacob Marshall Laidlaw - Magna Cum Laude
Bradley Scott Larson
Dylan August Lauscher
Alexander James Lautenbach
Erik Jay Lemmen
Hao Li
Jonathon Wood Lindfors - Magna Cum Laude
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Joshua Thomas Loiselle
Sean Thomas Lusk - Magna Cum Laude
Andre A Charles Makela
Alexander Swift Malliett - Cum Laude
Anson James Mannes
Trevor Jeffery Marvin
John Christopher Matcheck
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Jared Scott McDowell - Magna Cum Laude
Patrick Donovan Mcfall - Summa Cum Laude
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Brian Todd Messman
Jared James Meyer - Cum Laude
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Vincent Charles Mills
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Jaime Ann Modolo
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Justin William Niemi
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Peter Daniel O'Mara - Cum Laude
Luke John Olari - Cum Laude
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Ryan Patrick Quigg - Magna Cum Laude
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Steven David Ramfjord - Cum Laude
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Colin Robert Redner - Cum Laude
Nathaniel William Regan
Aaron Scott Richard
Jacob Josiah Richards - Summa Cum Laude
Thomas Nathaniel Richards
Gunnar J Rogers
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Zachary Allan Schultz
Andrew K Schunter - Summa Cum Laude
Daniel James Scsavnicki - Cum Laude
Brandon Nicholas Seitz
Caleb Alan Shear
Congtao Shen
Michael Brendan Sinclair - Cum Laude
Olivia Marie Smith
Tanner J Smith
Owen Michael Soutiere
Rebecca Delilah Spencer
Alexander Q Spiess
Nathan Steven Stancroff
Hugh Daniel Stanton
Logan David Stetsko - Summa Cum Laude
Alec Bradley Stilwell - Magna Cum Laude
Alex Emerson Stine
Hannah Mae Stoll
Kathryn Ann Stone - Magna Cum Laude
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Vilnis E Stumbris
Alex Brian Sutton
Dakota Wayne Sweeney
Max Martin Tervo
Traven Van Thai
Wiley Garrett Thomas
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Ryan James Thompson
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Zhongyu Tian - Cum Laude
Zachary Christian Tibbits
Blake Arthur Tiber - Cum Laude
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Alex James Voigt - Cum Laude
Taylor C Warren - Cum Laude
Ryan M Washington
Tyler William Wells
Mark William Wenzel - Cum Laude
Jacob Russell Wenzlick
Michael Dennis Werthman - Cum Laude
Anna Catherine Wheatley
Jason Robert Whittler - Magna Cum Laude
Jeremy Collin Whitman
Davin Paul Wiitanen
Bachelor of Science in Mechanical Engineering Technology

Sean Radley Wilde
Aubrey Lee Woern
Daniel James Woodall
Jason Hunter Woeful
Travis James Zuleger - Cum Laude
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Nicholas Jason Hilliard
Billy Matthew Lowney
Margaret Anne Miko - Cum Laude
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Daniel A Novicki
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Brian Mark Piettila
Mitchell James Rucinski - Magna Cum Laude
Nicholas J Wylin

Bachelor of Science in Medical Laboratory Science

Ellen S Burns - Magna Cum Laude
Laura Marie Deters
Nicole Elizabeth Haughey
Manjere Mwarianesu Hungwe
Gilliane Natascha Kenyon - Cum Laude
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Jarett Ray Mcclanahan
Amanda Jane Mickelson
Lauren Taylor Parrett - Magna Cum Laude
Rebecca C Riffe
Hannah Olivia Riggs - Magna Cum Laude
Alexis Elizabeth Strome
Lucas Rodney Tarvainen - Cum Laude
Zebulun Haze Tester-Riccardo
Taylor Marie Tienhaara
Paige Nicole Webb
Kaitlyn L Wheeler

Bachelor of Science in Natural Resources Management
Bachelor of Science in Pharmaceutical Chemistry
Bachelor of Science in Physics
Bachelor of Science in Psychology

Benjamin Adam Wright
Connor John Hensley
Samuel John Groetsch
Glory Anne Creed
Mariah Riley Sherman - Summa Cum Laude
Megan Nicole Volaski - Cum Laude
Kira Katherine Warner - Summa Cum Laude
Michigan Technological University  
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<td>Master of Geographic Info Sci in Geographic Information Scie</td>
<td>Jeffrey M Selan</td>
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Michigan Technological University
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Master of Science in Computer Engineering
Andre Thomas Ringle
Zeyu Yin
Emily Anne Crombez
Naga Sravya Aparna Devi Indana
Saideep Reddy Kandula
Naga Venkateswara Rao Kukunuru
Shuhao Qu

Master of Science in Computer Science
Dilip Ati
Sandeep Battula
Tanmayee Prathamesh Deshpande
Sophia Grace Farquhar
Mary Louise Flood
Eassa Hedayati
Rahul Dhananjay Javadekar
Nichole Suzanne Mackey
Shashank Munnooru
Kusuma Pallapotu
Ruby Periera
Justin Donald Williams

Master of Science in Cybersecurity
Ryan Alexander Olson

Master of Science in Data Science
Nisarg Parag Dave
Shruti Ganjoo
Pranav Anand Joshi
Ashmit Kolli
Sanjana Krithi
Inchara Manjunatha Gowda
Sowmith Reddy Muppidi
Shashikanth Nagula
Srushthi Rajendra Parab
Arvind Petha Patel
Sai Vaishnavi Potluri
Srihari Raghavendra Rao
Swetha Sre Srinivasan

Master of Science in Electrical Engineering
Rituparna Basak
Eswar Kaushik Reddy Butukuri
Vaibhav Chadha
Kartik Devendra Chavhan
Smruti Prasad Dash
Yashdeep Subhash Datta
Sameer Sudhir Deshmukh
Harshada Dilip Gaikwad
Mohammed Ariful Hossain
Aniruddha Kalyani Inamdar
Praveen Swaminathan Iyer
Khaled Ali Salem Jadi
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Rushikesh Rajendra Kadam
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Sreenivasulu Kamma
Kalpesh Dhananjay Kuber
Kara Beth Kuhns
Om Prakash Kukunuru
Shiena Kundu
Sami Mikael Kysar
Renu Anvesh Maddi
Arun Varkey Malppan
Apeksha Ganesh Manekar
Michael Aaron Maurer
Sphurti Kirit More
Unknown Mudit Kumar
Saurabh Mohan Muley
Dolphin Nitinkumar Patel
Ashwin Shrikant Pathak
Mohammad Faiz Pervez
Narendra Raghav
Ashfiqur Rahman
Suman Ravichandran
Aakash Jagdishchandra Revdiwala
Amit Anil Sabu
Bharath Sadashivaiah
Shweta Shankar Shete
Snehal Balu Shinde
Pratik Sanjay Shrike
Ajit Vijayan Thachireth
Devalkumar Bharatkumar Thakar
Vaibhavi Tharval
Ashish Manohar Wagh
Karina Eyre
Hayden Matthew Henderson
Mina Claire Kosmowski Kukuk
Vaishnavi Narayanan
Yogesh Vasant Shejal

Master of Science in Environmental Engineering

Master of Science in Environmental Engineering Science
Master of Science in Environmental and Energy Policy
Master of Science in Forest Molecular Genetics and Biotechnology
Master of Science in Forestry
Master of Science in Geological Engineering
Master of Science in Geology

Master of Science in Geophysics
### Master of Science in Kinesiology
- Jeremy Andrew Bigalke
- Thomas Kersch Bye
- Alex James Gabe
- Kelvyn Edric Van Laarhoven
- Derek Robert Verbrighe
- Neil Alexander Wilczynski

### Master of Science in Materials Science and Engineering
- Akash Manojkumar Desai
- Jiawen Liu
- Sasank Potluri
- Archit Vivek Kavishwar

### Master of Science in Mathematical Sciences
- Dale P Bigler
- Yanfang Liu
- Eric Jon Neubert
- Ziyao Xu

### Master of Science in Mechanical Engineering
- Anupam Anand
- Mayank Kumar Bagaria
- Tanmay Bandi
- Aayush Bansal
- Akshay Arun Basugade
- Ethan Jarrad Beavers
- Saurabh Sudhakar Bhasme
- Shuvodeep Bhattacharyya
- Amol Rajendra Birhade
- Vishal Jagannathan Chakravarthi Dwarakanathan
- Jaideep Singh Chavan
- Ayush Chutani
- Claire Mary Couture
- Minorka D Souza
- Kaushal Kumar Darokar
- Sai Rajeev Devaragudi
- Aishwarya Surendra Dhwad
- Fauzan Ayyaz Dhongre
- Rumit Rakeshbhai Doshi
- Cameron Richard Dulong
- Zachary Christopher Fata
- Adam Douglas Francis
- Atharva Pravin Ghate
- Sunit Girdhar
- Karan Gundre
- Ishan Gupta
- Cameron Hansel
- Sanket Rajendra Hiray
- Aniket Maruti Jadhav
- Ojus Suresh Jain
- Shubham Ramesh Jain
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Swejal Jain
Chaitanya Vilas Joshi
Ashutosh Anil Kalinkar
Mayuresh Pandharinath Kange
Behrouz Khoshbakht Irdmousa*
Benjamin Stuart Kolb
Aditya Dattatraya Kulkarni
Gaurav Kumar
Konark Dhananjay Kumbhalkar
Tejas Lokhande
Andrew Steven Luchenbach
Ajitesh Mahapatra
Prince Kumar Mehandi Ratta
Shardool Raju Mehta
Jinitkumar Nirajkumar Mistry
FNU Mohd Yaqzan
Kuldeep Popat More
FNU Muralidhar Nischal
Meet Naimeshbhai Patel
Ajay Jangonda Patil
Chinmay Vishwas Patil
Andrew Pochettino
Vinaykrishna Pratapa
Siddharth Premchandani
Vishnu Prasaad Raghupathy
Neeraj Rama
Sachin Rana
Vijayanand Ravi
Arvind Ravindran
Animesh Sarkar
Harsha Reddy Sathi
Deep Dirgesh Shah
Palash Sharma
Vishavjit Singh
Venkatmayur Sista
Ajay Somasundaram
Nathan David Spike
Mary Claire Sullivan
Nikhil Keshav Tamhankar
Ritesh Rajendra Thakur
Harshal Vinod Tilgule
Pranay Tiwari
Emily Ann Vigil
Saleel Milind Visal
Logan Alexander Weisend
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Mark Timothy Woodland
Master of Science in Medical Informatics
Shannon Leigh Lahnala Bleau
Ray Allen Mullins
Elizabeth Ann Mundell

Colin Pierce Sheidler
Master of Science in Physics
Nicholas Scott Videtich

Federico Correa Pose
Master of Science in Rhetoric, Theory and Culture
Nancy Achiaa Frimpong
Nicholas David Gerstner
Matias Larramendi Salvat
Kikelomo Sheila Omonojo
Laura Vidal Chiesa

Zhongyuan Hu
Master of Science in Statistics

*Addendum to Conferral:
Jonah Mueller degree awarded for term Spring 2017
Behrouz Khoshbakht Irdmousa degree awarded for Fall 2018

Michigan Technological University, Registrar’s Office 19-Jun-2019
IV-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, 2018 through June 30, 2019  
Compared to Prior Year  
(in millions)

<table>
<thead>
<tr>
<th>Source</th>
<th>FY19 YTD Total</th>
<th>FY18 YTD Total</th>
<th>FY 18 Total</th>
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<tr>
<td>Individuals - Major Gifts (25K and up)</td>
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<td>9.18</td>
<td>9.18</td>
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<tr>
<td>Annual Giving</td>
<td>2.76</td>
<td>2.86</td>
<td>2.86</td>
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<td>Corporate Sponsored Research</td>
<td>14.75</td>
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<td>Corporations</td>
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<td>2.14</td>
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<tr>
<td>Foundations &amp; Other Organizations</td>
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<tr>
<td>Gifts-In-Kind</td>
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<td>0.16</td>
<td>0.16</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>43.74</strong></td>
<td><strong>37.39</strong></td>
<td><strong>37.39</strong></td>
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<tr>
<td>Realized Planned Gifts</td>
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<td>5.00</td>
<td>5.00</td>
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<tr>
<td><strong>Grand Total</strong></td>
<td><strong>46.94</strong></td>
<td><strong>42.39</strong></td>
<td><strong>42.39</strong></td>
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-- Except for Annual Giving, all totals include outright gifts and the full amount of new pledge commitments.  
-- Annual Giving 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.
IV-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 14, 2019 – July 06, 2019)

## 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>Becker, Joan</td>
<td>Staff</td>
<td>Electrical and Computer Engineering</td>
<td>Administrative Aide 7</td>
<td>10/28/1996</td>
<td>06/15/2019</td>
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<tr>
<td>Dube, Germaine</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Custodian</td>
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<tr>
<td>Graff, Will</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Building Mechanic II</td>
<td>07/22/1981</td>
<td>06/28/2019</td>
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<tr>
<td>Hand, David</td>
<td>Faculty</td>
<td>Civil &amp; Environmental Engineering</td>
<td>Professor</td>
<td>09/13/1982</td>
<td>05/31/2019</td>
</tr>
<tr>
<td>Hayden, Janet</td>
<td>Staff</td>
<td>Vice President for Finance</td>
<td>Executive Director, Risk Management &amp; Compliance</td>
<td>07/13/1992</td>
<td>06/07/2019</td>
</tr>
<tr>
<td>Hietala, Jane</td>
<td>Staff</td>
<td>General Athletics</td>
<td>Office Assistant 5</td>
<td>01/06/1986</td>
<td>06/30/2019</td>
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<tr>
<td>Jackovich, James</td>
<td>Staff</td>
<td>Keweenaw Research Center</td>
<td>Contracts Analyst</td>
<td>03/10/1980</td>
<td>06/28/2019</td>
</tr>
<tr>
<td>Johnson, Evelyn</td>
<td>Faculty</td>
<td>Humanities Research Center</td>
<td>Senior Lecturer</td>
<td>08/17/2003</td>
<td>06/30/2019</td>
</tr>
<tr>
<td>Johnson, Robert</td>
<td>Faculty</td>
<td>Humanities</td>
<td>Professor</td>
<td>08/02/1999</td>
<td>06/30/2019</td>
</tr>
<tr>
<td>Jukkala, Lisa</td>
<td>Staff</td>
<td>Vice President for Research</td>
<td>Director, Sponsored Programs Office</td>
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</tr>
<tr>
<td>Kiiskila, Laurie</td>
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<td>Kyllonen, Patricia</td>
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<td>McCarthy, Patrick</td>
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<td>Sports &amp; Recreation Operations</td>
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<td>06/30/2019</td>
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<td>McCullah, Carol</td>
<td>Staff</td>
<td>Van Pelt and Opie Library</td>
<td>Assistant Director, Administration &amp; Environment Services</td>
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<td>Muller, Patricia</td>
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<td>Vice President for Research</td>
<td>Environmental Health &amp; Safety Analyst</td>
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<td>Niemi, Susan</td>
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<tr>
<td>Nitz, David</td>
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<tr>
<td>Osborne, Mark</td>
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<td>Project Manager/Research Leader</td>
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<td>06/30/2019</td>
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<td>Patterson, Michael</td>
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<td>Dining Services</td>
<td>Associate Director</td>
<td>11/26/2001</td>
<td>06/15/2019</td>
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<tr>
<td>Polzien, Joanne</td>
<td>Staff</td>
<td>Vice President for Research</td>
<td>Executive Director, Compliance, Integrity &amp; Safety</td>
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<td>06/30/2019</td>
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<td>Schutz, Mary</td>
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<td>06/30/2019</td>
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<td>Residential Dining</td>
<td>Stock Clerk</td>
<td>08/05/1993</td>
<td>06/30/2019</td>
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<td>Stevens, Mary</td>
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<td>Director of Administration &amp; Residential Planning</td>
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<td>06/30/2019</td>
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<td>Thomas, Sheri</td>
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<td>Associate Director</td>
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<td>Verran, Judy</td>
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<td>Residential Dining</td>
<td>Food Service Helper</td>
<td>09/20/1989</td>
<td>05/10/2019</td>
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<tr>
<td>Waddell, R</td>
<td>Faculty</td>
<td>Humanities</td>
<td>Associate Professor</td>
<td>08/28/1989</td>
<td>05/31/2019</td>
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<td>Wirtenen, Denise</td>
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<td>Housing and Residential Life</td>
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<td>11/24/1997</td>
<td>05/31/2019</td>
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<tr>
<td>Yeo, Mary</td>
<td>Staff</td>
<td>Financial Services &amp; Operations</td>
<td>Manager, Auxiliary Fund and Banking Operations</td>
<td>07/17/1978</td>
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### OFF-PAYROLL

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Department</th>
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<th>Most Recent Hire Date</th>
<th>Term Date</th>
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<tr>
<td>Anderson, Thomas</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Custodian</td>
<td>10/27/2011</td>
<td>05/31/2019</td>
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<td>Auger, Samantha Michele</td>
<td>Staff</td>
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<td>Planned Giving Officer</td>
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<tr>
<td>Baumann, Jeremiah</td>
<td>Staff</td>
<td>Housing and Residential Life</td>
<td>Assistant Director, Creative &amp; Technology Services</td>
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<tr>
<td>Beutler, Ernest</td>
<td>Staff</td>
<td>Dining Services</td>
<td>Manager, Dining Services</td>
<td>08/07/2006</td>
<td>06/03/2019</td>
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<tr>
<td>Brinkman, Scott</td>
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<td>Custodian</td>
<td>03/02/2015</td>
<td>06/10/2019</td>
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<tr>
<td>Cook, Leslie</td>
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<td>President's Office</td>
<td>Vice President for Strategic University Partnerships</td>
<td>07/21/2003</td>
<td>06/30/2019</td>
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<tr>
<td>Edson, Curtis</td>
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<td>School of Forest Resources &amp; Environmental Science</td>
<td>Assistant Professor</td>
<td>08/15/2016</td>
<td>06/11/2019</td>
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<tr>
<td>Farrey, Michelle</td>
<td>Staff</td>
<td>Career Services</td>
<td>Coordinator, Career Development/Corporate Event Promotions</td>
<td>04/30/2012</td>
<td>04/26/2019</td>
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<tr>
<td>Freitag, Matthew</td>
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<td>Information Technology, Telecommunications</td>
<td>Telecom Network Engineer I</td>
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<td>06/18/2019</td>
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<td>Information Technology, Business Operations</td>
<td>IT Procurement Agent</td>
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<td>Grogg, Mitchell</td>
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<td>Enterprise Application Services</td>
<td>Programmer/Analyst</td>
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<td>06/21/2019</td>
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<tr>
<td>Honkala, Erik</td>
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<td>School of Technology</td>
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<td>06/14/2019</td>
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<td>Dispatcher</td>
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<td>05/02/2019</td>
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<td>05/18/2019</td>
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<td>Manager of Marketing &amp; Digital Content</td>
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<td>05/31/2019</td>
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<td>Kitalong-Will, Ann</td>
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<td>Liimatainen, Joel</td>
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<td>Business Systems Analyst</td>
<td>04/01/2015</td>
<td>06/10/2019</td>
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<tr>
<td>Meadows, Guy</td>
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<td>Director, Great Lakes Research Initiative/Robbins Chair</td>
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<td>Center for Technology &amp; Training</td>
<td>Senior Software Engineer</td>
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<tr>
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<td>Data Specialist</td>
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<td>06/18/2019</td>
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<td>Manager</td>
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<td>Business Systems Analyst</td>
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<td>05/16/2019</td>
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<tr>
<td>Sartin, David</td>
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<td>Assistant Coach, Football</td>
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<tr>
<td>Schaefer, Lacy</td>
<td>Staff</td>
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<td>Food Service Helper</td>
<td>02/16/2015</td>
<td>04/07/2019</td>
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<td>Serotzke, Mark</td>
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<tr>
<td>Name</td>
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<td>Title</td>
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</tr>
<tr>
<td>Shemwell, Tiffany</td>
<td>Staff</td>
<td>Housing and Residential Life</td>
<td>Residence Life Coordinator</td>
<td>07/02/2018</td>
<td>05/24/2019</td>
</tr>
<tr>
<td>Stevens, Olivia</td>
<td>Staff</td>
<td>Kinesiology/Integrative Physiology</td>
<td>Administrative Aide 7</td>
<td>11/06/2017</td>
<td>05/03/2019</td>
</tr>
<tr>
<td>Store, Justin</td>
<td>Staff</td>
<td>Information Technology, Security &amp; Compliance</td>
<td>IT Security Architect</td>
<td>07/18/2016</td>
<td>04/19/2019</td>
</tr>
<tr>
<td>Thompson, Erin</td>
<td>Staff</td>
<td>Alumni Engagement</td>
<td>Associate Director, Alumni Programming</td>
<td>07/21/2008</td>
<td>05/08/2019</td>
</tr>
<tr>
<td>Tisdale, Heather</td>
<td>Staff</td>
<td>Provost &amp; Senior Vice President for Academic Affairs</td>
<td>Director, Intensive ESL Program</td>
<td>08/29/2016</td>
<td>07/05/2019</td>
</tr>
<tr>
<td>Wall, Jennifer</td>
<td>Staff</td>
<td>Career Services</td>
<td>Communications Manager</td>
<td>01/29/2018</td>
<td>05/31/2019</td>
</tr>
<tr>
<td>Will, Cayce</td>
<td>Staff</td>
<td>Associate Vice President for Administration</td>
<td>Director, Business Intelligence</td>
<td>12/03/2007</td>
<td>06/21/2019</td>
</tr>
</tbody>
</table>
IV-E. TENTATIVE 2020 MEETING DATES

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

Friday, February 28, 2020
Friday, May 1, 2020 (Commencement – Saturday, May 2)
Thursday, August 6, 2020 (Alumni Reunion)
Friday, October 9, 2020
Friday, December 18, 2020 (Commencement – Sat. December 19)
V. ACTION/DISCUSSION ITEMS

A. Employee Recognition

B. Michigan Council for the Arts

C. BOT Policy 9.10 International Ambassador Scholarship

D. Appointment of Secretary
V-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 individual:

1.) Will Graff – 37 years of service
2.) David Hand – 36 years of service
3.) James Jackovich – 39 years of service
4.) Lisa Jukkala – 35 years of service
5.) Patty Kyllonen – 40 years of service
6.) Carol McCullah – 37 years of service
7.) Kelly McLean – 39 years of service
8.) Mark Osborne – 36 years of service
9.) Mary Ellen Stevens – 38 years of service
10.) Mary Yeo – 40 years of service
Michigan Council for the Arts
BOT Policy 9.10 International Ambassador Scholarship

The International Ambassador Scholarship was established with fixed dollar values. At the time the maximum value was roughly equivalent to 30% of non-resident tuition. This proposed change would re-establish the value of the award at its original proportional value and allow for subsequent revisions to fluctuate with tuition and inflation.

RECOMMENDATION: That the Board of Trustees approves editing the value of the International Ambassador Scholarship to read Value: Variable (maximum no more than 35% of non-resident undergraduate tuition).

Track Changes Version

Value: Variable ($1,000 minimum to $6,000 maximum maximum no more than 35% of non-resident undergraduate tuition).

Applicants must be citizens and residents of any country except the United States. Awarded, based on academic achievement, for a four-year period (8 semesters) to students in their first year of study working on a bachelor's degree, or to students with transfer credit for a variable period of time depending on Michigan Technological University requirements. Scholarship Committee considers requests for extensions of scholarships, but in no case would they be extended beyond 10 semesters. The 10 semesters would apply to those students required to attend a summer semester or who demonstrate extenuating circumstances. Renewable for second, third, and fourth year students who maintain a cumulative grade point average of 2.50 as of the end of spring semester, acceptable social behavior, and continuous full-time undergraduate enrollment. Scholarship Committee considers requests for reinstatement of scholarships from students returning after a withdrawal, depending upon the circumstances of the withdrawal, provided the student had an acceptable grade point average on leaving.

History

- 07/16/2009
- 07/15/2010: Was previously 10.3.2.2. Renumbered only.

Clean Copy with Revisions Accepted

9.10 International Ambassador Scholarships

Value: Variable (maximum no more than 35% of non-resident undergraduate tuition).

Applicants must be citizens and residents of any country except the United States. Awarded, based on academic achievement, for a four-year period (8 semesters) to students in their first year of study working on a bachelor's degree, or to students with transfer credit for a variable period of time depending on Michigan Technological University requirements.
Scholarship Committee considers requests for extensions of scholarships, but in no case would they be extended beyond 10 semesters. The 10 semesters would apply to those students required to attend a summer semester or who demonstrate extenuating circumstances. Renewable for second, third, and fourth year students who maintain a cumulative grade point average of 2.50 as of the end of spring semester, acceptable social behavior, and continuous full-time undergraduate enrollment. Scholarship Committee considers requests for reinstatement of scholarships from students returning after a withdrawal, depending upon the circumstances of the withdrawal, provided the student had an acceptable grade point average on leaving.

**History**
- 07/16/2009
- 07/15/2010: Was previously 10.3.2.2. Renumbered only.
V-D. APPOINTMENT OF SECRETARY

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

As Ms. Sarah Schulte begins her employment on August 1, 2019, it is being recommended that the Board appoint a Secretary effective August 2, 2019.

RECOMMENDATION: That the Board of Trustees appoints Sarah Schulte Secretary effective August 2, 2019
VI. REPORTS

A. Advancement and Alumni Engagement Report
   Dr. William Roberts
   Vice President for Advancement and Alumni Engagement
Advancement and Alumni Engagement Overview

Michigan Technological University Board of Trustees Meeting

Dr. Bill Roberts
**Draft** Final Numbers not totaled yet

**Fiscal Year 19 Review**

- Major Gifts of $25k or more at $7.09 million: 105% of goal
- Planned Gifts at $14.69 million: 113% of goal
- Annual gifts of under $25k at $2.76 million: 100% of goal
- Non-research corporate gifts at $1.73 million: 69% of goal
- Foundation gifts at $1.53 million: 102% of goal
- Corporate sponsored research $14.75: 134% of goal
FY 19 Fundraising Totals

Total Raised: $43.69M
Total Goal: $38.00M

- Major (105%)
- Planned (113%)
- Annual Giving (100%)
- Corporate Sponsored Research (134%)
- Corporations (69%)
- Foundations and Other (102%)
- Gifts in Kind (228%)

In Millions

$0

FY19 Actual
FY19 Goal

Michigan Tech
Historical Total Funds Raised by FY (in millions)

<table>
<thead>
<tr>
<th>Year</th>
<th>Funds Raised (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>$21.66</td>
</tr>
<tr>
<td>2010</td>
<td>$13.16</td>
</tr>
<tr>
<td>2011</td>
<td>$25.45</td>
</tr>
<tr>
<td>2012</td>
<td>$27.95</td>
</tr>
<tr>
<td>2013</td>
<td>$28.01</td>
</tr>
<tr>
<td>2014</td>
<td>$30.94</td>
</tr>
<tr>
<td>2015</td>
<td>$33.66</td>
</tr>
<tr>
<td>2016</td>
<td>$38.42</td>
</tr>
<tr>
<td>2017</td>
<td>$52.39</td>
</tr>
<tr>
<td>2018</td>
<td>$37.39</td>
</tr>
<tr>
<td>2019</td>
<td>$43.69</td>
</tr>
</tbody>
</table>
Successful Launch — 906 Day

• Helping to build the culture of philanthropy with current students
• Launched our new young alumni giving club – the 906 Club
• Total membership for 2018-19 was 216
Gold and Black Give Back — April 11, 2019

- Inaugural 24-hour giving challenge
- 1,337 gifts with a total of $570,813
- Thank you to our campus partners
- Special thanks to Provost and Deans
- 248 first-time donors
- 338 gifts from faculty/staff
Michigan Tech Night at the Detroit Red Wings

Feb, 17, 2019

- Over 800 alumni participated
- $3,850 check from Red Wings to SE MI alumni chapter for scholarships
- Special thanks to Steve Coates ’73, Philadelphia Flyers commentator
Fiscal Year 19 Review

• Advancement Officers located with Deans in the schools and colleges
• Integrated Foundation and Corporate philanthropy into Advancement and Alumni Engagement
• Initiated a Corporate Council
• Territory analysis resulting in shifting advancement focus to different markets
• Developed new metrics with proposal tracking tools
Fiscal Year 20 Goals

• Set a $xx million (still waiting on this #) fundraising goal for FY 20
• Host three fundraising training sessions on campus
• Launch new President’s Advisory Group and volunteer management plan
• Develop new comprehensive naming policy
Annual Alumni Reunion

- Reunion began in 1911 hosted every five years
- 1911 25th anniversary of the inaugural class
- 1926 40th anniversary of the inaugural class
- Hiatus between 1942-1947
- Annual event since 1967
Annual Alumni Reunion

• Welcoming xx Huskies back to campus
• 599 Golden M inductees from the class of 1969 bringing the total Golden M members to 5,648
• Multiple events ranging from
  • Tech talks
  • Department open house/tours
  • Boat cruise
  • Escape room
  • Ropes course event
  • Canoe trip
Questions?

Thank You
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, 2018 to June 30, 2019.
### MICHIGAN TECH UNIVERSITY
### INVESTMENT PORTFOLIO
### JUNE 30, 2018 THROUGH JUNE 30, 2019

<table>
<thead>
<tr>
<th>Fund Type</th>
<th>Market Value 6/30/2018</th>
<th>Market Value 6/30/2019</th>
<th>Fiscal-Year Investment Return</th>
</tr>
</thead>
<tbody>
<tr>
<td>Money Market Fund</td>
<td>$ 2,140,030</td>
<td>$ 2,172,599</td>
<td>2.20%</td>
</tr>
<tr>
<td>Equity Funds:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core Equity Fund</td>
<td>8,672,775</td>
<td>9,503,043</td>
<td>8.24%</td>
</tr>
<tr>
<td>Commonfund Strategic Solutions Equity Fund</td>
<td>5,316,134</td>
<td>5,787,008</td>
<td>14.84%</td>
</tr>
<tr>
<td>Total Equity Funds</td>
<td>13,988,909</td>
<td>15,290,051</td>
<td></td>
</tr>
<tr>
<td>Fixed Income Funds:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate Term Fund</td>
<td>6,348,165</td>
<td>7,239,252</td>
<td>4.44%</td>
</tr>
<tr>
<td>Commonfund Contingent Asset Portfolio</td>
<td>7,442,980</td>
<td>7,383,558</td>
<td>3.52%</td>
</tr>
<tr>
<td>High Quality Bond Fund</td>
<td>5,328,730</td>
<td>5,685,866</td>
<td>8.04%</td>
</tr>
<tr>
<td>Total Fixed Income Funds</td>
<td>19,119,875</td>
<td>20,308,676</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>$ 35,248,814</td>
<td>$ 37,771,326</td>
<td>7.68%</td>
</tr>
</tbody>
</table>

**Current Asset Allocation**

- **Money Market, 6%**
- **Fixed Income, 54%**
- **Equities, 40%**
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, 2019.
<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>Series 2008 Bond Issue (maturity 2038)</td>
<td>$4,935,000</td>
<td>$155,000</td>
<td>$5,090,000</td>
<td>$15,880,000</td>
</tr>
<tr>
<td>Purchase of UPPCO Building</td>
<td>Partial Funding of KRC Building</td>
<td>MUB Ballroom Renovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Series 2008 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series 2009A Bond Issue (maturity 2039)</td>
<td>$14,305,000</td>
<td>$445,000</td>
<td>$14,750,000</td>
<td>$18,235,000</td>
</tr>
<tr>
<td>New Student Apartment Building</td>
<td>Partial Funding of KRC Building</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Series 2009 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series 2010A Bond Issue (maturity 2040)</td>
<td>$7,655,000</td>
<td>$235,000</td>
<td>$7,890,000</td>
<td>$10,975,000</td>
</tr>
<tr>
<td>Great Lakes Research Center</td>
<td>A.E. Seaman Mineral Museum</td>
<td>KRC Building Purchase (Blizzard Building)</td>
<td>Life Safety Improvements on Campus</td>
<td></td>
</tr>
<tr>
<td>Total Series 2010 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series 2012A Bond Issue (maturity 2034)</td>
<td>$24,985,000</td>
<td>$1,365,000</td>
<td>$26,350,000</td>
<td>$33,070,000</td>
</tr>
<tr>
<td>Refunding of 2003 &amp; 2004 Fixed Rate Bond Issues</td>
<td>SDC Ice Plant and Partial Roof of SDC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Series 2012 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series 2013A Bond Issue (maturity 2036)</td>
<td>$10,570,000</td>
<td>$665,000</td>
<td>$11,235,000</td>
<td>$14,265,000</td>
</tr>
<tr>
<td>Refunding 2006 Bond Issue</td>
<td>Refunding partial 2008 Bond Issue</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Series 2013 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series 2015A Bond Issue (maturity 2046)</td>
<td>$22,525,000</td>
<td>$465,000</td>
<td>$22,990,000</td>
<td>$24,295,000</td>
</tr>
<tr>
<td>Daniell Heights Renovation</td>
<td>Campus Dining Renovation</td>
<td>Fuel Storage Tank Facility</td>
<td>Chemical Storage Facility</td>
<td>Chemistry Labs Renovation</td>
</tr>
<tr>
<td>Total Series 2015 Bond Issue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total - All Bond Issues</td>
<td>$84,975,000</td>
<td>$3,330,000</td>
<td>$88,305,000</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.
<table>
<thead>
<tr>
<th>Sponsor</th>
<th>FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>Award Received FY '19 as of 6/30</th>
<th>Award Received FY '18 as of 6/30</th>
<th>Variance $</th>
<th>Variance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA</td>
<td>61</td>
<td>55</td>
<td>46</td>
<td>21</td>
<td>7,373,205</td>
<td>4,283,806</td>
<td>3,089,399</td>
<td>72.1%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>156</td>
<td>178</td>
<td>48</td>
<td>54</td>
<td>8,899,557</td>
<td>8,748,635</td>
<td>150,922</td>
<td>1.7%</td>
</tr>
<tr>
<td>US Department of Agriculture</td>
<td>64</td>
<td>51</td>
<td>47</td>
<td>59</td>
<td>1,359,711</td>
<td>2,161,755</td>
<td>-802,044</td>
<td>-37.1%</td>
</tr>
<tr>
<td>US Department of Defense</td>
<td>127</td>
<td>109</td>
<td>112</td>
<td>89</td>
<td>14,176,299</td>
<td>11,357,779</td>
<td>2,818,520</td>
<td>24.8%</td>
</tr>
<tr>
<td>US Department of Education</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>88,732</td>
<td>141,292</td>
<td>-52,560</td>
<td>-37.2%</td>
</tr>
<tr>
<td>US Department of Energy</td>
<td>42</td>
<td>43</td>
<td>22</td>
<td>16</td>
<td>3,645,357</td>
<td>1,495,825</td>
<td>1,149,532</td>
<td>78.1%</td>
</tr>
<tr>
<td>US Department of HHS</td>
<td>66</td>
<td>57</td>
<td>11</td>
<td>10</td>
<td>2,829,867</td>
<td>2,211,217</td>
<td>618,650</td>
<td>28.0%</td>
</tr>
<tr>
<td>US Department of Transportation</td>
<td>17</td>
<td>14</td>
<td>16</td>
<td>9</td>
<td>2,859,357</td>
<td>1,495,825</td>
<td>1,363,532</td>
<td>91.2%</td>
</tr>
<tr>
<td>Other Federal Agencies*</td>
<td>62</td>
<td>45</td>
<td>56</td>
<td>35</td>
<td>4,360,524</td>
<td>4,161,237</td>
<td>199,287</td>
<td>4.8%</td>
</tr>
<tr>
<td><strong>Federal Agency Total</strong></td>
<td>599</td>
<td>555</td>
<td>361</td>
<td>295</td>
<td>45,592,609</td>
<td>36,039,057</td>
<td>9,553,552</td>
<td>26.5%</td>
</tr>
<tr>
<td>State of Michigan</td>
<td>51</td>
<td>47</td>
<td>31</td>
<td>30</td>
<td>2,556,834</td>
<td>2,400,845</td>
<td>155,989</td>
<td>6.5%</td>
</tr>
<tr>
<td>Industrial</td>
<td>218</td>
<td>168</td>
<td>195</td>
<td>148</td>
<td>8,743,736</td>
<td>6,401,825</td>
<td>2,341,911</td>
<td>36.6%</td>
</tr>
<tr>
<td>Foreign</td>
<td>26</td>
<td>30</td>
<td>19</td>
<td>20</td>
<td>1,187,810</td>
<td>1,094,523</td>
<td>93,287</td>
<td>8.5%</td>
</tr>
<tr>
<td>All Other Sponsors</td>
<td>88</td>
<td>82</td>
<td>50</td>
<td>43</td>
<td>2,550,014</td>
<td>1,461,840</td>
<td>1,088,174</td>
<td>44.4%</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>982</td>
<td>882</td>
<td>656</td>
<td>536</td>
<td>60,631,003</td>
<td>47,398,090</td>
<td>13,232,913</td>
<td>27.9%</td>
</tr>
<tr>
<td><strong>Gifts</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>275</td>
<td>281</td>
<td>3,152,856</td>
<td>3,468,475</td>
<td>-315,619</td>
<td>-9.1%</td>
</tr>
<tr>
<td><strong>Crowd Funding</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>17</td>
<td>9</td>
<td>62,385</td>
<td>25,080</td>
<td>37,305</td>
<td>148.7%</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>982</td>
<td>882</td>
<td>948</td>
<td>826</td>
<td>63,846,244</td>
<td>50,891,645</td>
<td>12,954,599</td>
<td>25.5%</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

Vice President for Research
*PRELIMINARY*
Fiscal Year 2019
4th Quarter
Ended June 30, 2019
TOTAL: $63,846,244

Percentages of Tenured & Tenure Track Faculty
(as either PI or Co-PI)
Submitting Proposals since 07/01/2018
72.2%
On Active Projects as of 06/30/2019 60.6%

<table>
<thead>
<tr>
<th>SPO &amp; OIC 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></td>
<td>25</td>
<td>441</td>
<td>188</td>
<td>18</td>
<td>63</td>
<td>96</td>
<td>6</td>
<td>131</td>
<td>11</td>
<td>982</td>
<td>882</td>
<td>11.3%</td>
</tr>
<tr>
<td>Awards Received</td>
<td></td>
<td>162</td>
<td>355</td>
<td>92</td>
<td>18</td>
<td>81</td>
<td>75</td>
<td>40</td>
<td>309</td>
<td>70</td>
<td>948</td>
<td>826</td>
<td>14.8%</td>
</tr>
<tr>
<td>Federal</td>
<td></td>
<td>1,321,564</td>
<td>6,185,495</td>
<td>669,839</td>
<td>182,407</td>
<td>751,385</td>
<td>4,657,335</td>
<td>308,675</td>
<td>143,420</td>
<td>5,000</td>
<td>14,251,200</td>
<td>9,365,830</td>
<td>51.9%</td>
</tr>
<tr>
<td>Federal Pass-Through</td>
<td></td>
<td>370,113</td>
<td>26,404</td>
<td>99,977</td>
<td>14,500</td>
<td>58,983</td>
<td>3,600</td>
<td>378,150</td>
<td>166,438</td>
<td>56,350</td>
<td>3,152,856</td>
<td>3,468,475</td>
<td>-9.1%</td>
</tr>
<tr>
<td>Gifts</td>
<td></td>
<td>1,681,375</td>
<td>692,983</td>
<td>99,977</td>
<td>14,500</td>
<td>58,983</td>
<td>3,600</td>
<td>378,150</td>
<td>166,438</td>
<td>56,350</td>
<td>3,152,856</td>
<td>3,468,475</td>
<td>-9.1%</td>
</tr>
<tr>
<td>Crowd Funding</td>
<td></td>
<td>481</td>
<td>2,281</td>
<td>26,404</td>
<td>99,977</td>
<td>14,500</td>
<td>58,983</td>
<td>3,600</td>
<td>166,438</td>
<td>56,350</td>
<td>3,152,856</td>
<td>3,468,475</td>
<td>-9.1%</td>
</tr>
<tr>
<td>Industry</td>
<td></td>
<td>1,085,067</td>
<td>1,097,806</td>
<td>96,946</td>
<td>-</td>
<td>11,562</td>
<td>4,625</td>
<td>10,443</td>
<td>296</td>
<td>4,093</td>
<td>2,150,014</td>
<td>2,065,014</td>
<td>45.4%</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>121,324</td>
<td>750,590</td>
<td>20,222</td>
<td>-</td>
<td>39,232</td>
<td>-</td>
<td>64,489</td>
<td>-</td>
<td>-</td>
<td>2,556,834</td>
<td>2,400,845</td>
<td>6.5%</td>
</tr>
<tr>
<td>State of MI</td>
<td></td>
<td>630,561</td>
<td>1,605,530</td>
<td>201,522</td>
<td>39,232</td>
<td>39,232</td>
<td>-</td>
<td>12,500</td>
<td>-</td>
<td>-</td>
<td>2,556,834</td>
<td>2,400,845</td>
<td>6.5%</td>
</tr>
<tr>
<td>Total $ by Division</td>
<td></td>
<td>3,755,305</td>
<td>29,346,340</td>
<td>7,115,074</td>
<td>425,497</td>
<td>7,430,453</td>
<td>11,354,568</td>
<td>11,354,568</td>
<td>35,500</td>
<td>266,254</td>
<td>63,846,244</td>
<td>63,846,244</td>
<td>25.5%</td>
</tr>
<tr>
<td>Fiscal Comparison</td>
<td></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>1,260,456</td>
<td>2,550,014</td>
<td>63,846,244</td>
<td>63,846,244</td>
<td>25.5%</td>
</tr>
<tr>
<td>Percent Change</td>
<td></td>
<td>-2.0%</td>
<td>78.10%</td>
<td>61.11%</td>
<td>97.77%</td>
<td>-1.62%</td>
<td>-8.8%</td>
<td>80.7%</td>
<td>-25.3%</td>
<td>-33.6%</td>
<td>7,430,453</td>
<td>63,846,244</td>
<td>25.5%</td>
</tr>
<tr>
<td>Disclosures Received</td>
<td></td>
<td>-</td>
<td>78.10%</td>
<td>61.11%</td>
<td>97.77%</td>
<td>-1.62%</td>
<td>-8.8%</td>
<td>80.7%</td>
<td>-25.3%</td>
<td>-33.6%</td>
<td>7,430,453</td>
<td>63,846,244</td>
<td>25.5%</td>
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<td>NonDisclosure Agreements</td>
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<td>2</td>
<td>49</td>
<td>5</td>
<td>-</td>
<td>14</td>
<td>22</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>49</td>
<td>105</td>
<td>-7.6%</td>
</tr>
<tr>
<td>Patents Filed or Issued</td>
<td></td>
<td>-</td>
<td>61.11%</td>
<td>27.77%</td>
<td>-</td>
<td>5.56%</td>
<td>-</td>
<td>-</td>
<td>5.56%</td>
<td>-</td>
<td>27</td>
<td>27</td>
<td>-33.3%</td>
</tr>
<tr>
<td>License Agreements</td>
<td></td>
<td>7</td>
<td>9</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>7</td>
<td>21</td>
<td>50.0%</td>
</tr>
<tr>
<td>Gross Royalties1</td>
<td></td>
<td>17.07%</td>
<td>53.66%</td>
<td>19.51%</td>
<td>-</td>
<td>7.32%</td>
<td>-</td>
<td>-</td>
<td>2.44%</td>
<td>-</td>
<td>334,790</td>
<td>354,545</td>
<td>-5.6%</td>
</tr>
</tbody>
</table>

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

*PRELIMINARY* Fiscal Year 2019 4th Quarter Ended June 30, 2019 TOTAL: $63,846,244
<table>
<thead>
<tr>
<th>Industry Segment</th>
<th>FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>Variance as of 6/30</th>
<th>Variance $</th>
<th>Variance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive</td>
<td>74</td>
<td>68</td>
<td>128</td>
<td>147</td>
<td>6,580,016</td>
<td>5,626,598</td>
<td>953,418</td>
</tr>
<tr>
<td>Business &amp; Economics</td>
<td>3</td>
<td>3</td>
<td>13</td>
<td>13</td>
<td>64,500</td>
<td>282,861</td>
<td>-218,361</td>
</tr>
<tr>
<td>Chemical</td>
<td>18</td>
<td>4</td>
<td>20</td>
<td>10</td>
<td>726,867</td>
<td>268,695</td>
<td>458,172</td>
</tr>
<tr>
<td>Civil</td>
<td>14</td>
<td>10</td>
<td>36</td>
<td>19</td>
<td>817,477</td>
<td>68,159</td>
<td>749,318</td>
</tr>
<tr>
<td>Consumer Products</td>
<td>44</td>
<td>30</td>
<td>43</td>
<td>38</td>
<td>726,867</td>
<td>2,236,347</td>
<td>1,509,480</td>
</tr>
<tr>
<td>Defense &amp; Space</td>
<td>34</td>
<td>33</td>
<td>41</td>
<td>33</td>
<td>952,846</td>
<td>507,897</td>
<td>444,949</td>
</tr>
<tr>
<td>Energy</td>
<td>15</td>
<td>12</td>
<td>41</td>
<td>33</td>
<td>297,141</td>
<td>194,694</td>
<td>102,447</td>
</tr>
<tr>
<td>Environmental</td>
<td>6</td>
<td>4</td>
<td>14</td>
<td>13</td>
<td>219,791</td>
<td>923,406</td>
<td>-703,615</td>
</tr>
<tr>
<td>Health</td>
<td>17</td>
<td>11</td>
<td>22</td>
<td>22</td>
<td>176,098</td>
<td>209,673</td>
<td>-33,575</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>9</td>
<td>8</td>
<td>24</td>
<td>25</td>
<td>638,933</td>
<td>450,953</td>
<td>187,980</td>
</tr>
<tr>
<td>IT Services</td>
<td>8</td>
<td>8</td>
<td>18</td>
<td>14</td>
<td>875,765</td>
<td>308,911</td>
<td>-566,854</td>
</tr>
<tr>
<td>Mining &amp; Metals</td>
<td>17</td>
<td>23</td>
<td>44</td>
<td>44</td>
<td>726,867</td>
<td>1,283,738</td>
<td>-556,871</td>
</tr>
<tr>
<td>Other</td>
<td>9</td>
<td>12</td>
<td>30</td>
<td>18</td>
<td>726,867</td>
<td>507,730</td>
<td>219,137</td>
</tr>
<tr>
<td>Technology</td>
<td>19</td>
<td>16</td>
<td>30</td>
<td>19</td>
<td>1,283,738</td>
<td>376,008</td>
<td>907,730</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>287</strong></td>
<td><strong>235</strong></td>
<td><strong>502</strong></td>
<td><strong>457</strong></td>
<td><strong>17,178,564</strong></td>
<td><strong>13,498,188</strong></td>
<td><strong>3,680,376</strong></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 2019 & 2018  
As of June 30, 2019 Period 12 and June 30, 2018 Period 12

<table>
<thead>
<tr>
<th>College/School/Division</th>
<th>Preliminary FY2019</th>
<th>Preliminary FY2018</th>
<th>Variance</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration*</td>
<td>2,935,374</td>
<td>2,827,358</td>
<td>108,016</td>
<td>3.8%</td>
</tr>
<tr>
<td>College of Engineering</td>
<td>29,863,068</td>
<td>29,326,460</td>
<td>536,608</td>
<td>1.8%</td>
</tr>
<tr>
<td>College of Science &amp; Arts</td>
<td>15,583,385</td>
<td>16,627,133</td>
<td>(1,043,748)</td>
<td>-6.3%</td>
</tr>
<tr>
<td>Great Lakes Research Center**</td>
<td>782,737</td>
<td>440,030</td>
<td>342,707</td>
<td>77.9%</td>
</tr>
<tr>
<td>Pavlis Honors College</td>
<td>639,332</td>
<td>371,698</td>
<td>267,634</td>
<td>72.0%</td>
</tr>
<tr>
<td>Keweenaw Research Center (KRC)</td>
<td>8,675,123</td>
<td>8,808,275</td>
<td>(133,152)</td>
<td>-1.5%</td>
</tr>
<tr>
<td>Michigan Tech Research Institute (MTRI)</td>
<td>8,934,562</td>
<td>8,510,165</td>
<td>424,397</td>
<td>5.0%</td>
</tr>
<tr>
<td>School of Business &amp; Economics</td>
<td>1,559,194</td>
<td>1,410,355</td>
<td>148,839</td>
<td>10.6%</td>
</tr>
<tr>
<td>School of Forest Resources &amp; Environmental Science</td>
<td>5,190,565</td>
<td>5,542,114</td>
<td>(351,549)</td>
<td>-6.3%</td>
</tr>
<tr>
<td>School of Technology</td>
<td>1,008,369</td>
<td>470,763</td>
<td>537,606</td>
<td>114.2%</td>
</tr>
<tr>
<td>Total</td>
<td>75,171,709</td>
<td>74,334,351</td>
<td>837,358</td>
<td>1.1%</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. William Roberts, Vice President for Advancement and Alumni Engagement, on the university's advancement and alumni engagement activities.

This is for the Board's information.
Adancement

- Completed portfolio restructuring along geographic and academic units
- PAW Worksheet: Developed and implemented proposal tracking and status system
- Initiated monthly frontline fundraiser strategy meeting process
- Created and supported top donor lists
- Utilizing LEAN/value stream mapping, developed and implemented illustration and research request processes in response to meetings with front-line fundraisers
- Created fundraising resource drive for frontline fundraisers
- Transferred Gift Planning Registry to new platform; working with SAIS on reporting
- Assumed management of creation and execution of donor gift agreements
- Developed and initiated lead generation plan, focused on targeted markets, and created a process to identify, review and provide donor leads from Crescendo to frontline fundraisers
- Onboarded new staff members transferred from corporations and foundations
- Incorporated new responsibilities and programs that came with corporations and foundations
- Assumed board professional role for MTF Board of Directors and enhanced relationship with University Finance and Operations
- Formed Corporate Council and created top 10 list of companies we will continue to work with

Gift Planning activity:

- 32 new planned gifts booked totaling $14.69 million
- Six gift annuities totaling $680,000
- $3.2 million in realized planned gifts
- 69 illustrations, proposals and gift agreements were provided for donors and advancement staff (over double from FY18)
- 15 executed gift agreements

Principal Gifts

- Working to close a $9+ million planned gift proposal along with a 5 figure outright gift. This will be for scholarships for the College of Sciences and Arts, with an emphasis on the Physics, Chemistry and Math
- We have an outstanding multi-million dollar proposal. This includes endowed scholarships and endowed faculty positions, with a portion of it benefiting the school of Forest Resources and Environmental Sciences
- Working on a $1.6 million planned gift proposal, along with a 5 figure outright gift proposal. This proposed gift would be for equipment, endowed scholarships and faculty positions in the Geological Engineering department, with an emphasis in mining
- Working on a multi-million proposal for faculty position(s) in the College of Computing
● Working on a $1 million outright proposal for an endowed professorship in ME-EM
● Our Annual Planned Giving/Estate Planning Seminar is scheduled to be held on campus October 11-13

Foundation Relations
● Proposals totally over $2.225 million were submitted
● President Koubek and Bill Roberts hosted dinner with Executive Board of Portage Health Foundation to discuss naming opportunity for H-STEM building
● Major awards since May:
  ○ $1.5M Herbert H. and Grace A. Dow Foundation for Mi-STAR
  ■ Pitching Mi-STAR to the following groups: MPR, Detroit Free Press, and MLive
  ○ $100K from the Michigan Health Endowment Fund for collaboration between Keweenaw Bay Indian Community, Western UP Planning and Development Region and Michigan Tech toward the project Debwewendan Indigenous Gardens
● Consulting with W.M. Keck Foundation for future proposal consideration
● National visibility: Annexstad requested presidential photo and quote for their Annual Mission Report after visit this spring with President Koubek. Previously featured presidents include: Notre Dame, Duke, Indiana University

Annual Giving
● Overall 2018-2019 Annual Giving - Goal of $2.5 million. As of June 30, 2019 - $2,770,367 which is 111% of goal. These are preliminary numbers and will change once all of the gifts have been entered for the fiscal year
● Culture of Philanthropy Programming
  ○ Student Programs - The class tribute program for May's commencement brought in $530 from 53 tributes. That money will go toward the scholarship for an incoming first year student.
  ○ Planning is underway for orientation programming and 906 Day in the fall.

Alumni Engagement
● Alumni Reunion 2019
  ○ Featured classes 1979, 1989, 1994, 1999, and 2009 with a special program for the 50 year class of 1969, the 60 year Class of 59 and the Golden M's. We will also be hosting events for former Residence Life and Orientation staff members, Tennis and Women’s Basketball athletes.
  ○ New events this year – Career Services Escape Room, Engineering Alumnae event with SYP Women in Engineering group, Trees of Michigan Tech Campus Walk.
  ○ The Tech Talks will feature: Dr. Veronica Webster, Intense Rainfall and Flood Risk in an Environment of Increasing Uncertainty and Dr. John Gierke, Geospatial Data Analysis of the 2018 Copper Country Father’s Day Flood
● The Alumni Engagement team welcomes two new staff members – Alicia O’Grady, Student and Alumni Programs Manager (also the Reunion coordinator) and Courtney Hohnholt, Administrative Assistant (and the Alumni House Manager)
● Alumni chapters throughout the mid-west collaborate with Admissions and with the International Programs and Services teams to welcome new students and their families:
  ○ July 16-New Student Sendoff - St. Paul, MI (Twin Cities Chapter)
  ○ July 21-New Student Sendoff - Elk Grove Village, IL (Chicago Chapter)
  ○ July 24-New Student Sendoff - Canton, MI (Detroit Chapter and African American Alumni group)
- July 28-New Student Sendoff - Green Bay, WI (Green Bay Chapter)
- July 30-New Student Sendoff - Midland, MI (Tri-City Chapter)
- August 1-New Student Sendoff - Grand Rapids, MI (West Michigan Chapter)
- August 4-New Student Sendoff - Waukesha, WI (Milwaukee Chapter)
- August 20 & 22-International Student
- Arrivals - Chicago, IL (Chicago Chapter)
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

Regular Meeting of the Board of Trustees, August 1, 2019
Apr 6, 2019 - Jul 14, 2019
Michigan Technological University

Summary
Total Mentions: 5.1K
Total Reach: 3.4B
Total Publicity Value: $2.0M
News Media Report
Regular Meeting of the Board of Trustees, August 1, 2019

Coverage Summary

Total Mentions

Reach

Tag Usage Over Time

Tag Usage

Events: 27.1%  Research: 20.9%  Athletics: 18.6%  Alumni: 14.8%
Curricula/Programs: 6.4%  Other: 1.5%  Student Life: 0.5%
Hometown: 0.1%
Trend of Coverage by Media Type

Share of Coverage by Media Type

Mentions by Location

Top Locations

LOCATION                  NUMBER OF CLIPS
Michigan                 498
California               210
Ohio                     152
New York                 148
Minnesota                123
Wisconsin                112
Virginia                 105
Washington DC            92
Texas                    80
Illinois                 80
Pennsylvania             75
Indiana                  43
Oklahoma                 42
Iowa                     39
New Jersey               36
North Dakota             34
Maryland                 34
Connecticut              32
Arizona                  32
Montana                  30
Value of Coverage

Sentiment Over Time

- Publicity Value ($2.0M)
- Neutral (2.7K)
- Positive (2.0K)
- Negative (367)
VIII-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 2018/2019

<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>Number of Recordable Injuries</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Lost Time Cases</td>
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<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>5</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>7</td>
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</tr>
<tr>
<td>Restricted Work Cases</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
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<tr>
<td></td>
<td>2019</td>
<td>2</td>
<td>1</td>
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<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>4</td>
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<tr>
<td>Recordable Injuries (Total)</td>
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<td>0</td>
<td>4</td>
<td>0</td>
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<td>7</td>
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</tr>
<tr>
<td></td>
<td>2019</td>
<td>7</td>
<td>2</td>
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<td>0</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Number of Days</td>
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<td>0</td>
<td>0</td>
<td>19</td>
<td>0</td>
<td>3</td>
<td>46</td>
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</tr>
<tr>
<td>Injury Lost Time</td>
<td>2019</td>
<td>47</td>
<td>9</td>
<td>0</td>
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<tr>
<td>Restricted Work Days</td>
<td>2018</td>
<td>75</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>124</td>
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<tr>
<td>2019</td>
<td>101</td>
<td>30</td>
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<td>0</td>
<td>161</td>
<td>0</td>
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<td>292</td>
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<tr>
<td>Hours Worked</td>
<td>2018</td>
<td>141,476</td>
<td>408,268</td>
<td>74,332</td>
<td>9,354</td>
<td>551,904</td>
<td>30,802</td>
<td>117,282</td>
<td>1,333,418</td>
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<tr>
<td>Total Work Hours</td>
<td>2019</td>
<td>141,015</td>
<td>402,458</td>
<td>68,316</td>
<td>9,597</td>
<td>558,356</td>
<td>27,533</td>
<td>106,993</td>
<td>1,314,268</td>
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<tr>
<td>Percentage of Work Hours</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>
<tr>
<td></td>
<td>2019</td>
<td>10.7%</td>
<td>30.6%</td>
<td>5.2%</td>
<td>0.7%</td>
<td>42.5%</td>
<td>2.1%</td>
<td>8.1%</td>
<td>100.0%</td>
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</tr>
<tr>
<td>Rates</td>
<td>2018</td>
<td>2.8</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>1.1</td>
<td>0.0</td>
<td>1.7</td>
<td>0.9</td>
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<tr>
<td>Lost Time Case Rate</td>
<td>2019</td>
<td>7.1</td>
<td>0.5</td>
<td>0.0</td>
<td>0.0</td>
<td>0.4</td>
<td>0.0</td>
<td>0.0</td>
<td>1.1</td>
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<tr>
<td>Frequency Rate (Recordable)</td>
<td>2018</td>
<td>2.8</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>1.4</td>
<td>0.0</td>
<td>1.7</td>
<td>1.0</td>
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<tr>
<td></td>
<td>2019</td>
<td>9.9</td>
<td>1.0</td>
<td>0.0</td>
<td>0.0</td>
<td>1.1</td>
<td>0.0</td>
<td>1.9</td>
<td>2.0</td>
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</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.

1. The Lost Time Case Rate is calculated by multiplying the number of Lost Time Cases by 200,000 then dividing by the labor hours at the University.
2. The Frequency Rate is calculated by multiplying the number of recordable cases by 200,000 then dividing by the labor hours at the University.
3. The number of days are total days for the life of the cases first reported during this period.
VIII. OTHER BUSINESS
IX. PUBLIC COMMENTS
X. INFORMAL CLOSED SESSION FOR PERIODIC PERSONNEL 
EVALUATION OF PRESIDENT KOUBEK
XI. ADJOURNMENT