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
   F. Michigan Technological University/Michigan Tech Fund Agreement

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
F. Michigan Technological University/Michigan Tech Fund Agreement
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
Bachelor of Arts in English  
Margaret Janeen Clay  
Megan Marie Hughes  
Michael Anthony Robert Santoro

Bachelor of Arts in History  
Dalton J Dlouhy  
Ian Kenneth Cooper Provoast

Bachelor of Arts in Physics  
Nathan Stephen Schlorke

Bachelor of Arts in Scientific and Technical Communication  
Jessica N Brassard  
Michael Lindblom Burns  
Alexander Norman Gillies

Bachelor of Arts in Sound Design  
Allen M Harrison  
Samantha B Palumbo - Cum Laude  
Christopher Paul Wilson

Bachelor of Arts in Theatre and Electronic Media Performance  
Robert James Mampe

Bachelor of Science in Accounting  
Kylie Christine Muonio - Magna Cum Laude  
Shania Pearl Nixon  
Joseph Michael Platz - Magna Cum Laude  
Andrea Lynn Revoyr  
Jack Ray Schornhorst - Magna Cum Laude

Bachelor of Science in Anthropology  
Morgan Elizabeth Davis - Cum Laude  
Austin Ryan Feys

Bachelor of Science in Applied Ecology and Environmental Science  
Kaylie Mary Butts - Cum Laude  
Veronica M Porter - Summa Cum Laude

Bachelor of Science in Applied Geophysics  
Martine Hope Loevaas - Cum Laude

Bachelor of Science in Applied Physics  
Kaelan Robert Anderson

Bachelor of Science in Audio Production and Technology  
Andrew Wyatt Bess  
Noah Penner Budd  
Michael Christopher Chopp  
Jonah Joel Mueller*

Bachelor of Science in Biochemistry and Molecular Biology  
Heather Lee Bernia  
Elise Astrid Cheney-Makens - Summa Cum Laude  
Daniel Adam Noren - Cum Laude  
David Samuel Trine - Summa Cum Laude  
Jackson T Waugh  
Samuel Joseph Willard - Cum Laude

Bachelor of Science in Biological Sciences  
Dominique Taylor Aleo - Cum Laude  
Hilding Mose Beaudoin  
Maya Rose Braden - Magna Cum Laude  
Anna Christine Caramella - Cum Laude  
Elisha Jean Earley - Summa Cum Laude  
Emily Layne Garner  
Gregory A Kaurala - Magna Cum Laude  
Madeline Kemp  
Mariel Emilie Leibovitz
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Bachelor of Science in Biomedical Engineering

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
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 Eienbaas - 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 Geralda Inaury
Jackson T Jadin
Emily Lyla Jasinski
Kyle Thomas Johnson - Magna Cum Laude
Seth Charles Jones
Tanya M Juarez
Michigan Technological University
Degrees Awarded for Conferral Term 201901

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

Bachelor of Science in Chemistry
Jacob Steven Mohar - Magna Cum Laude
Elizabeth Ann Rose
Joseph Vermeylen - Cum Laude

Bachelor of Science in Civil Engineering
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 Pawlowski
Cristina Álvia 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
Michigan Technological University
Degrees Awarded for Conferral Term 201901

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
Avritt 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
Bachelor of Science in Construction Management

Christian David Albers
Jacob Tanner Hendricks
Brady Scott Jackan
Jake Kenneth Kessler - Cum Laude
Trent James Pennala
Brandon Ray Francis Taavola - Cum Laude
Matthew Adam Wray

Bachelor of Science in Economics

Alex James Hill - Cum Laude

Bachelor of Science in Electrical Engineering

Elizabeth Ann Adams - Magna Cum Laude
Samuel Walter Bilot - Cum Laude
Mollie Kathryn Boswell - Magna Cum Laude
Nicholas Edmund Brodowski - Magna Cum Laude
Haroon Rahman Chaudhry - Magna Cum Laude
Madison Marie Cleary
Lukas Robert Cline - Cum Laude
Travis Ryan Durgan - Summa Cum Laude
Aaron James Eskola
Delainy Mae Farley - Summa Cum Laude
Nathan Andrew Fox
Nicholas James Gagalis
Connor Andrew Gessner
Collin Walter Graf
Amanda Lynn Hahn
Alexander Craig Hubble
Kayla Loraine Kent
Ethan Michael Klein
Samuel D LaMarche - Magna Cum Laude
Blake Allan Lindeman
Allie Starr McCleary
Trevor Kyle McFadden - Summa Cum Laude
Zacharias Mikko Mills - Magna Cum Laude
Tyler James Nelson - Summa Cum Laude
Jacob Travis Oquist
Aaron Frank Ortiz - Summa Cum Laude
Mackenzie Hanika Pletcher
Dustin Allen Powell
Matthew James Radloff
Katelyn Elizabeth Rhue
Kelsey Clarke Robinson - Cum Laude
Nathan Stephen Schlorke
Alexis Helen Schroeder
Lucas Robert Simonson - Summa Cum Laude
Jacob Andrew Soter
Matthew Scott Sunde
Brody Maximilian Sundquist
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Bachelor of Science in Electrical Engineering Technology
Caitlin Marie Swim - Cum Laude
Owen David VanTiem
Abhilash Vinod
Steven Joseph Whitaker - Summa Cum Laude
Dawei Wu
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

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 Exercise Science - Abigail Louise Botz - Magna Cum Laude
- Michelle Marie Burge
- Katie Sue Heikkinen
- Joseph Christopher Hofer
- Kenneth Allan Juras - Magna Cum Laude
- Sydnie Sue-Ellen Mazurek - Summa Cum Laude
- Hannah Elizabeth Nicholas
- Erin A Reetz - Magna Cum Laude
- Alyssa Morgan Smith - Summa Cum Laude
- Abby A Sutherland
- Allison Rae Waara

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
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 Malliett - 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Honors</th>
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<tbody>
<tr>
<td>Alexander Salesius Akermann</td>
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<td>David J Anna - Summa Cum Laude</td>
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<td>Elizabeth Anne Bergh - Summa Cum Laude</td>
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<td>Austin Jason Bittner - Summa Cum Laude</td>
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<td>Trevor Scott Boal - Cum Laude</td>
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<td>Monica Rose Brechtling - Cum Laude</td>
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<td>Gordon H Brinkman</td>
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<td>Nicholas Edmund Brodowski - Magna Cum Laude</td>
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<td>Logan Paul Brunette - Cum Laude</td>
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<td>Dakota Ryan Calvin Carpenter - Cum Laude</td>
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<td>Cody Joseph Chartier</td>
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<td>Yuxin Chen</td>
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<td>Austin M Chmura - Summa Cum Laude</td>
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<td>Raymond Roman Coyle - Summa Cum Laude</td>
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<td>Trevor Alan Cretney - Cum Laude</td>
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<td>Aaron Benjamin Curtiss</td>
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<td>Tania Sofia Demonte Gonzalez - Magna Cum Laude</td>
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<td>Aaron T Dene</td>
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<td>Noah Maxwell Dobrzelewski - Magna Cum Laude</td>
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<td>Riley Joseph Dolan</td>
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<td>Jason Christopher Doverscak</td>
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<td>Mitchell T Dzikowicz - Magna Cum Laude</td>
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<td>Isidore Emeka Esemonu - Cum Laude</td>
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<td>Juan Ali Espinoza-Birruete</td>
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<td>Michael James Ferron</td>
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<td>Andrew Lawerence Fischer</td>
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</tbody>
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Michigan Technological University
Degrees Awarded for Conferral Term 201901

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
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Joshua Thomas Loiselle
Sean Thomas Lusk - Magna Cum Laude
Andre A Charles Makela
Alexander Swift Mallielt - Cum Laude
Anson James Mannes
Trevor Jeffery Marvin
John Christopher Matchecck
Sean Patrick McCann
Cal Thomas McCarty
Jared Scott McDowell - Magna Cum Laude
Patrick Donovan Mcfall - Summa Cum Laude
John Robert Medley
Brian Todd Messman
Jared James Meyer - Cum Laude
Adam Paul Alller
Vincent Charles Mills
Nicholas Scott Minarich
Jaime Ann Modolo
Clayton Sean Nadolsky - Summa Cum Laude
Wesley Edward Nelson
Justin William Niemi
Matthew Robert Norton
Thomas E O'Hotzke
Peter Daniel O'Mara - Cum Laude
Luke John Olari - Cum Laude
Matthew Alan Olson
Michael Carl Ostlund
Collin D Overlock
Rachel Leigh Palen
Stanley Robert Peterson
Bryce Andrew Potok
Ethan Alexander Prehoda
Alexander Joseph Prucha
Austin James Putnam-Johnson
Ryan Patrick Quigg - Magna Cum Laude
Jonathan Duane Quin
Steven David Ramfjord - Cum Laude
Jacob Daniel Ramos
Rebecca Ann Ratkowski
Colin Robert Redner - Cum Laude
Nathaniel William Regan
Aaron Scott Richard
Jacob Josiah Richards - Summa Cum Laude
Thomas Nathaniel Richards
Gunnar J Rogers
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Rachel Anne Savat
Zachary Allan Schultz
Andrew K Schunter - Summa Cum Laude
Daniel James Scsavnicki - Cum Laude
Brandon Nicholas Seitz
Caleb Alan Shear
Congtiao Shen
Michael Brendan Sinclair - Cum Laude
Olivia Marie Smith
Tanner J Smith
Owen Michael Soulliere
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
Cole S Stout
Vilnis E Stumbris
Alex Brian Sutton
Dakota Wayne Sweeney
Max Martin Tervo
Traven Van Thai
Wiley Garrett Thomas
Christopher Joseph Thompson
Ryan James Thompson
Christopher John Thormodson - Cum Laude
Zhongyu Tian - Cum Laude
Zachary Christian Tibbits
Blake Arthur Tiber - Cum Laude
Kyle Douglas Tolman
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 Whittier - Magna Cum Laude
Jeremy Colin Whitman
Davin Paul Wiitanen
Michigan Technological University
Degrees Awarded for Conferral Term 201901

Bachelor of Science in Mechanical Engineering Technology
Sean Radley Wilde
Aubrey Lee Woern
Daniel James Woodall
Jason Hunter Worful
Travis James Zuleger - Cum Laude
Giovanni Tino Campis
Dirk Allen Deckinga
Jacob Richard Denny - Cum Laude
James Robert Glombowski
Nicholas Jason Hilliard
Billy Matthew Lowney
Margaret Anne Miko - Cum Laude
Justin Robert Mondeik - Magna Cum Laude
Daniel A Novicki
James David Oysti
Brian Mark Pietila
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
Rylie Ilene Kostreva
Erik John Larson - Cum Laude
Sarah Elizabeth LewAllen - Summa Cum Laude
Kathryn Jean Mauck
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
Benjamin Adam Wright
Connor John Hensley
Samuel John Groetsch
Glory Anne Creed
Mariah Riley Sherman - Summa Cum Laude
Megan Nicole Yolaski - Cum Laude
Kira Katherine Warner - Summa Cum Laude

Bachelor of Science in Pharmaceutical Chemistry

Bachelor of Science in Physics

Bachelor of Science in Psychology
Michigan Technological University
Degrees Awarded for Conferral Term 201901

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<tr>
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<td>Bachelor of Science in Scientific and Technical Communicatio</td>
<td>Steven R Dobbs</td>
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<td>Bachelor of Science in Social Sciences</td>
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<td>Kyla Lee Valenti</td>
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<td>Alexandra Broughton Walker</td>
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<tr>
<td>Bachelor of Science in Wildlife Ecology and Management</td>
<td>Rebecca Labre Allen</td>
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<td>Marisa Renee DeMario</td>
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<td>Jaimie Elizabeth Opsahl</td>
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<td>Doctor of Philosophy in Biochemistry and Molecular Biology</td>
<td>Rupsa Basu</td>
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<td>Yogesh Kumar Ahlawat</td>
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<td>Jaya Raghavendra Arun Kumar Yellajosula</td>
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Michigan Technological University
Degrees Awarded for Conferral Term 201901

Doctor of Philosophy in Engineering - Environmental Engineer
Xinyu Ye

Doctor of Philosophy in Geophysics
Kyle Arthur Brill

Doctor of Philosophy in Integrative Physiology
Kevin Cyle Phillips

Doctor of Philosophy in Materials Science and Engineering
Oladeji Taiwo Fadayomi

Doctor of Philosophy in Mathematical Sciences
Nattaporn Chuenjarern

Matthew Jacob Roberts

Sulin Wang

Doctor of Philosophy in Mechanical Engineering - Engineering
Xian Li

Soroush Sepahyar

Eddy Howard Trinklein

Doctor of Philosophy in Physics
Matipon Tangmatitham

Aranya Srijongjai

Xueling Li

Joshua Thomas Balcom

Doctor of Philosophy in Rhetoric, Theory and Culture
Stephanie Michelle Bedford

Tracey Lynn Bershing

Doctor of Philosophy in Statistics
Rachel A Chard

Xaiyang Fu

Kaiyang Fu

Halie Michele Hart

Alec Michael Holm

Mary Muncil Jennings

Elizabeth L Kelliher

Devin Dale Kero

Matthew William Mckelvey

Amber Lianne Oja

Garrett Timothy Ross

Joshua Robert Rzeppa

Brayden Charles Severt

Madeline Paige Shortt

Dillon Myron Simon

Dylan James Steman

Kelsey Michael Stickney

Quentin Alexander Tovar-Prince

Yaqi Yang

Jingwen Zhang

Joshua Robert Rzeppa

Junxin Zhou

Master of Forestry in Forestry
Coleman Mathew Kaiser

Jeffrey M Selan

Kevin Anthony Suozzi

Master of Geographic Info Sci in Geographic Information Scie
Alexis Marcine Degabriele

Kenny Rodriguez Garcia

Master of Science in Accounting
Erin Elizabeth Gast

Cody Cruz Goldsworthy

Timothy H Judge

Kayleigh Alana Lake
Michigan Technological University  
Degrees Awarded for Conferral Term 201901

| Master of Science in Applied Cognitive Science and Human Fac | Ryan Michael Masakowski  
| Master of Science in Applied Ecology | Teresa Marie McCann  
| Master of Science in Applied Physics | David Martino Renaldi  
| Master of Science in Applied Science Education | Alexander Jeremiah Smith  
| Master of Science in Applied Science Education | Allison Jeanne Woodworth  
| Master of Science in Applied Science Education | Xiaomeng Zhang  
| Master of Science in Biological Sciences | Thomas M Offer-Westort  
| Master of Science in Biological Sciences | Kristin Maier  
| Master of Science in Biological Sciences | Michael Steven Foetisch  
| Master of Science in Biological Sciences | Jacob James Babb  
| Master of Science in Biological Sciences | Jason Orion Howes  
| Master of Science in Biological Sciences | Rachel Jean Ledebruh  
| Master of Science in Biological Sciences | Katelyn Priscilla McCarthy  
| Master of Science in Biological Sciences | Waad Ahmed Aljohani  
| Master of Science in Biological Sciences | Abdulaziz Saud M Alrashdi  
| Master of Science in Biological Sciences | Robert Wilson Beynon  
| Master of Science in Biological Sciences | Surattana Boonsai  
| Master of Science in Biological Sciences | Morgan Leigh Charbonneau  
| Master of Science in Biological Sciences | Tanner Gerald Keyzers  
| Master of Science in Biological Sciences | Ryan R Van Goethem  
| Master of Science in Biomedical Engineering | Peter Benjamin Beach  
| Master of Science in Biomedical Engineering | Elizabeth Gendreau Bloch  
| Master of Science in Biomedical Engineering | Jonathan Douglas Kelley  
| Master of Science in Biomedical Engineering | Brendan John Mccann  
| Master of Science in Biomedical Engineering | David John Ross  
| Master of Science in Biomedical Engineering | Stephanie Okyere Sarpong  
| Master of Science in Biomedical Engineering | Suhel Shaikh  
| Master of Science in Biomedical Engineering | Nathan David Wilkinson  
| Master of Science in Chemical Engineering | Utkarsh Shailesh Chaudhari  
| Master of Science in Chemical Engineering | Aditya Rajan Kumbhar  
| Master of Science in Chemical Engineering | Nikita Onil Pratap  
| Master of Science in Chemistry | Tyler Allyn Leverton  
| Master of Science in Chemistry | Charles Logan Schaerer  
| Master of Science in Civil Engineering | Louis John Paul Bassette  
| Master of Science in Civil Engineering | Emma Rujana Beachy  
| Master of Science in Civil Engineering | KC Paul Borseth  
| Master of Science in Civil Engineering | Mackenzie Ross Carter  
| Master of Science in Civil Engineering | Jeremy Joseph Dziewit  
| Master of Science in Civil Engineering | Keagan F Fortier  
| Master of Science in Civil Engineering | Courtney Paige Fournier  
| Master of Science in Civil Engineering | Michael Thomas Walter Frahm  
| Master of Science in Civil Engineering | Emily Kathryn Gamm  
| Master of Science in Civil Engineering | Abigail Grace Nieskes  
| Master of Science in Civil Engineering | Danielle Catherine Pilarski  
| Master of Science in Civil Engineering | Michael David Prast  

Formal Session of the Board of Trustees - IV. Consent Agenda

19
Michigan Technological University
Degrees Awarded for Conferral Term 201901

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
Srushti 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 Hussain
Aniruddha Kalyani Inamdar
Praveen Swaminathan Iyer
Khaled Ali Salem Jadi
Michigan Technological University
Degrees Awarded for Conferral Term 201901

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree and Program</th>
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<tr>
<td>Rushikesh Rajendra Kadam</td>
<td>Master of Science in Environmental Engineering</td>
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<tr>
<td>Pavan Raj Kalapala</td>
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<td>Sreenivasulu Kamma</td>
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<td>Kalpesh Dhananjay Kuber</td>
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<td>Kara Beth Kuhns</td>
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<td>Om Prakash Kukunuru</td>
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<td>Shiena Kundu</td>
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<td>Sami Mikael Kysar</td>
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<td>Michael Aaron Maurer</td>
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<td>Sphurti Kirit More</td>
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<td>Aakash Jagdishchandra Revdiwala</td>
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<td>Jacob Michael Hernandez</td>
<td>Master of Science in Environmental and Energy Policy</td>
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<td>Sophia Katherine Ford</td>
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<td>Eric William Smith</td>
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<td>Christie Eileen Torres Rosa</td>
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<td>Benjamen Stoneham Pletcher</td>
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### Master of Science in Kinesiology
- Jeremy Andrew Bigalke
- Thomas Kersch Bye
- Alex James Gabe
- Kelvyn Edric Van Laarhoven
- Derek Robert Verbrigghe
- 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 Dwarkanathan
- 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 Prasad 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
Nancy Achiaa Frimpong
Nicholas David Gerstner
Matias Larramendi Salvat
Kikelomo Sheila Omonojoo
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.
Formal Session of the Board of Trustees - IV. Consent Agenda

Michigan Technological University
Michigan Tech Fund
Fundraising Productivity Report
July 1, 2018 through June 30, 2019
Compared to Prior Year
(in millions)

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<td>9.18</td>
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<td>2.86</td>
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<td>0.19</td>
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<td>Gifts-In-Kind</td>
<td>1.14</td>
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<td>Total</td>
<td><strong>43.74</strong></td>
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<td>Realized Planned Gifts</td>
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<td>Grand Total</td>
<td><strong>46.94</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>
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<th>Title</th>
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<th>Term Date</th>
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<td>Graff, Will</td>
<td>Staff</td>
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<td>Building Mechanic II</td>
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<tr>
<td>Hand, David</td>
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<td>Civil &amp; Environmental Engineering</td>
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<td>Contracts Analyst</td>
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<tr>
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## OFF-PAYROLL

<table>
<thead>
<tr>
<th>Name</th>
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<td>Vice President for Strategic University Partnerships</td>
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<tr>
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</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)
IV-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, 2019 to August 31, 2020.

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, 2019 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.

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, 2020 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
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
V-B. 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:

- 10/06/19: **Stars of American Ballet** - Engagement: Masterclass for local dance students taught by professional dancers, in collaboration with the Superior School of Dance.
- 12/07/19: **Selected Shorts** - Engagement: Bringing in the Bells on the Bay, a local hand bell choir, to play in the lobby pre-show. Open call for local residents to submit their best UP holiday true stories, the top three selections will be able to present their stories aloud in the Rozsa lobby before the Selected Shorts performance. In collaboration with WGGL, Minnesota Public Radio.
- 01/18/20: **Pulse (New Music)** - Engagement: Pulse will be in residence at the MTU-VPA Department 01/16-18, 2020 and work with compositions students through workshops and performance of student compositions.
- 2/24/20: **Ebony Stewart** - Engagement: This performance is presented in collaboration with Michigan Tech's Black Student Association.
- 3/28/20: **Manual Cinema** - Engagement: Trish Helsel, Associate Professor of Theater will present a workshop and performance with shadow puppets for area school children.
- 4/03/20: **Audiopharmacy** - Engagement: workshops in the schools with Audiopharmacy including a residence in the Baraga, an Ojibwa reservation and on the campus of MTU working with MTU music and sound students and members of the community.
- 04/04/20: **Evelyn Glennie** - Engagement: Keynote lecture. Ms. Glennie will present her approach to sound-creation, new definitions of hearing.
- 04/04/20: **Vieux Farka Touré** - Engagement: Public Workshop/Q&A with Vieux Farka Touré allowing the audience to engage with him and his music.

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.
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 as General Counsel 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
8/1/19
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 $1.58 million: **105% of goal**
- Corporate sponsored research $14.75: **134% of goal**
Fiscal Year 19 Review

- Total Raised: $43.74M
- 112% of Goal: $38.00M
- 115% of FY 18-19 Goal
Historical Total Funds Raised by FY (in millions)
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

February 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
- Market analysis resulting in shifting advancement focus to different territories
- Developed new metrics with proposal tracking tools
Fiscal Year 20 Goals

- $40 million fundraising goal for FY 20
- Host fundraising information sessions for campus partners
- Launch new philanthropy 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 336 Huskies back to campus
• 599 Golden M inductees from the class of 1969 bringing the total Golden M members to 5,648
• Multiple events
  • 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></th>
<th></th>
<th></th>
<th></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>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>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>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>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>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>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.
### Sponsored Awards

**PRELIMINARY**

**Fiscal Year 2019**

4th Quarter

Ended June 30, 2019

TOTAL: $63,846,244

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>Variance</th>
<th>FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA</td>
<td>61</td>
<td>55</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>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>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>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>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>3,645,357</td>
<td>1,477,511</td>
<td>2,167,846</td>
<td>146.7%</td>
</tr>
<tr>
<td>US Department of HHS</td>
<td>66</td>
<td>57</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>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>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>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>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>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>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>2,550,014</td>
<td>1,461,840</td>
<td>1,088,174</td>
<td>74.4%</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>982</td>
<td>882</td>
<td>60,631,003</td>
<td>47,398,090</td>
<td>13,232,913</td>
<td>27.9%</td>
</tr>
<tr>
<td>Gifts**</td>
<td>N/A</td>
<td>N/A</td>
<td>3,152,856</td>
<td>3,468,475</td>
<td>-315,619</td>
<td>-9.1%</td>
</tr>
<tr>
<td>Crowd Funding</td>
<td>N/A</td>
<td>N/A</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>$12,954,599</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%

---

SPO & OIC Metrics

<table>
<thead>
<tr>
<th>Division</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>25</td>
<td>441</td>
<td>18</td>
<td>18</td>
<td>63</td>
<td>96</td>
<td>6</td>
<td>3</td>
<td>131</td>
<td>11</td>
<td>982</td>
<td>882</td>
<td>11.3%</td>
</tr>
<tr>
<td>Awards Received</td>
<td>162</td>
<td>355</td>
<td>92</td>
<td>18</td>
<td>81</td>
<td>75</td>
<td>40</td>
<td>3</td>
<td>109</td>
<td>13</td>
<td>948</td>
<td>826</td>
<td>14.8%</td>
</tr>
<tr>
<td>Federal</td>
<td>-</td>
<td>15,795,698</td>
<td>4,340,106</td>
<td>184,407</td>
<td>751,385</td>
<td>4,657,335</td>
<td>308,675</td>
<td>3,000</td>
<td>1,391,004</td>
<td>170,311</td>
<td>31,367,489</td>
<td>26,673,227</td>
<td>17.6%</td>
</tr>
<tr>
<td>Federal Pass-Through</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>14,250,120</td>
<td>9,365,830</td>
<td>3,152,856</td>
<td>3,468,475</td>
</tr>
<tr>
<td>Foreign</td>
<td>-</td>
<td>370,113</td>
<td>38,885</td>
<td>14,500</td>
<td>58,983</td>
<td>3,600</td>
<td>378,150</td>
<td>500</td>
<td>166,438</td>
<td>56,350</td>
<td>1,187,810</td>
<td>1,094,523</td>
<td>8.5%</td>
</tr>
<tr>
<td>Gifts</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>500</td>
<td>166,438</td>
<td>56,350</td>
<td>1,187,810</td>
<td>1,094,523</td>
<td>8.5%</td>
</tr>
<tr>
<td>Crowd Funding</td>
<td>481</td>
<td>2,281</td>
<td>28,604</td>
<td>11,562</td>
<td>4,625</td>
<td>-</td>
<td>10,443</td>
<td>296</td>
<td>4,093</td>
<td>62,385</td>
<td>25,080</td>
<td>148.7%</td>
<td>25,080</td>
</tr>
<tr>
<td>Industry</td>
<td>-</td>
<td>3,601,173</td>
<td>638,335</td>
<td>80,850</td>
<td>2,450,913</td>
<td>634,509</td>
<td>17,500</td>
<td>35,000</td>
<td>1,260,456</td>
<td>20,000</td>
<td>8,743,736</td>
<td>6,401,825</td>
<td>36.6%</td>
</tr>
<tr>
<td>Other</td>
<td>121,324</td>
<td>1,085,067</td>
<td>1,097,806</td>
<td>96,946</td>
<td>-</td>
<td>64,898</td>
<td>-</td>
<td>148,871</td>
<td>-</td>
<td>2,550,014</td>
<td>1,461,840</td>
<td>74.4%</td>
<td>1,461,840</td>
</tr>
<tr>
<td>State of MI</td>
<td>630,561</td>
<td>1,608,530</td>
<td>201,522</td>
<td>39,232</td>
<td>64,898</td>
<td>-</td>
<td>-</td>
<td>12,500</td>
<td>2,556,834</td>
<td>2,400,845</td>
<td>50,891,645</td>
<td>50,891,645</td>
<td>50,891,645</td>
</tr>
</tbody>
</table>

Total $ by Division

<table>
<thead>
<tr>
<th>Division</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>Fiscal Comparison</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>35,500</td>
<td>3,320,485</td>
<td>268,254</td>
<td>63,846,244</td>
<td>50,891,645</td>
<td>50,891,645</td>
<td>50,891,645</td>
</tr>
<tr>
<td>Percent Change</td>
<td>-3.0%</td>
<td>55.0%</td>
<td>1.3%</td>
<td>-64.2%</td>
<td>80.7%</td>
<td>158.3%</td>
<td>-33.6%</td>
<td>-10.2%</td>
<td>-80.6%</td>
<td>25.5%</td>
<td>25,080</td>
<td>148.7%</td>
<td>148.7%</td>
</tr>
</tbody>
</table>

Disclosures Received

<table>
<thead>
<tr>
<th>Category</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>NonDisclosure Agreements</td>
<td>2</td>
<td>49</td>
<td>5</td>
<td>-</td>
<td>14</td>
<td>22</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>97</td>
<td>105</td>
<td>7.6%</td>
<td>-105</td>
</tr>
<tr>
<td>Patents Filed or Issued</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>18</td>
<td>27</td>
<td>-33.3%</td>
<td>27</td>
</tr>
<tr>
<td>License Agreements</td>
<td>7</td>
<td>9</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>21</td>
<td>14</td>
<td>50.0%</td>
<td>14</td>
</tr>
<tr>
<td>Gross Royalties</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>
<td>354,545</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*
Sponsored Awards
-Industry-COMBINED
*PRELIMINARY*
Fiscal Year 2019
4th Quarter
Ended June 30, 2019
TOTAL: $17,178,564

<table>
<thead>
<tr>
<th>Industry Segment</th>
<th>Proposals Submitted 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>FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>Awards Received FY '19 as of 6/30</th>
<th>FY '18 as of 6/30</th>
<th>Awards Received ($)</th>
<th>Variance $</th>
<th>Variance %</th>
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<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>
<td>16.9%</td>
<td></td>
<td></td>
<td></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>
<td>-77.2%</td>
<td></td>
<td></td>
<td></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>
<td>170.5%</td>
<td></td>
<td></td>
<td></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>
<td>1099.4%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumer Products</td>
<td>44</td>
<td>21</td>
<td>39</td>
<td>50</td>
<td>970,333</td>
<td>1,274,164</td>
<td>-303,831</td>
<td>-23.8%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defense &amp; Space</td>
<td>34</td>
<td>38</td>
<td>43</td>
<td>38</td>
<td>3,338,440</td>
<td>2,236,347</td>
<td>1,102,093</td>
<td>49.3%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy</td>
<td>15</td>
<td>12</td>
<td>41</td>
<td>33</td>
<td>952,867</td>
<td>507,897</td>
<td>444,949</td>
<td>87.6%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental</td>
<td>6</td>
<td>4</td>
<td>14</td>
<td>13</td>
<td>297,141</td>
<td>194,694</td>
<td>102,447</td>
<td>52.6%</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>17</td>
<td>11</td>
<td>22</td>
<td>22</td>
<td>219,791</td>
<td>923,406</td>
<td>-703,615</td>
<td>-76.2%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>9</td>
<td>8</td>
<td>24</td>
<td>25</td>
<td>176,098</td>
<td>209,673</td>
<td>-33,575</td>
<td>-16.0%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT Services</td>
<td>8</td>
<td>5</td>
<td>18</td>
<td>14</td>
<td>638,933</td>
<td>238,100</td>
<td>400,833</td>
<td>168.3%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mining &amp; Metals</td>
<td>17</td>
<td>23</td>
<td>44</td>
<td>36</td>
<td>875,765</td>
<td>450,953</td>
<td>424,812</td>
<td>94.2%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>9</td>
<td>12</td>
<td>30</td>
<td>18</td>
<td>236,619</td>
<td>308,911</td>
<td>-72,292</td>
<td>-23.4%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technology</td>
<td>19</td>
<td>16</td>
<td>30</td>
<td>19</td>
<td>1,283,738</td>
<td>907,730</td>
<td>376,008</td>
<td>41.4%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>287</td>
<td>235</td>
<td>502</td>
<td>457</td>
<td>17,178,564</td>
<td>13,498,188</td>
<td>3,680,376</td>
<td>27.3%</td>
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</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><strong>Total</strong></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.
Advancement

- 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
• Major awards since May:
  o $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
  o $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 Debweyendan 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
  o 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.
  o Planning is underway for orientation programming and 906 Day in the fall.

Alumni Engagement
• Alumni Reunion 2019
  o 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.
  o New events this year – Career Services Escape Room, Engineering Alumnae event with SYP Women in Engineering group, Trees of Michigan Tech Campus Walk.
  o 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:
  o July 16-New Student Sendoff - St. Paul, MI (Twin Cities Chapter)
  o July 21-New Student Sendoff - Elk Grove Village, IL (Chicago Chapter)
  o 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: 14.4%  Curricula/Programs: 6.4%  Other: 1.5%  Student Life: 0.5%  Hometown: 0.1%

Formal Session of the Board of Trustees - VII. Informational Items
News Media Report
Regular Meeting of the Board of Trustees, August 1, 2019

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
Formal Session of the Board of Trustees - VII. Informational Items

News Media Report
Regular Meeting of the Board of Trustees, August 1, 2019

Value of Coverage

<table>
<thead>
<tr>
<th>Date</th>
<th>Value (K)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/29/19</td>
<td>250K</td>
</tr>
<tr>
<td>5/30/19</td>
<td>225K</td>
</tr>
<tr>
<td>6/1/19</td>
<td>200K</td>
</tr>
<tr>
<td>6/2/19</td>
<td>175K</td>
</tr>
<tr>
<td>6/3/19</td>
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</tr>
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<td>6/4/19</td>
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<td>6/8/19</td>
<td>25K</td>
</tr>
<tr>
<td>6/9/19</td>
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</table>

Sentiment Over Time

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<th>Sentiment</th>
</tr>
</thead>
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<td>Neutral (2.7K)</td>
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<tr>
<td>5/30/19</td>
<td>Positive (2.0K)</td>
</tr>
<tr>
<td>6/1/19</td>
<td>Negative (367)</td>
</tr>
<tr>
<td>6/2/19</td>
<td>Neutral (2.7K)</td>
</tr>
<tr>
<td>6/3/19</td>
<td>Positive (2.0K)</td>
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<tr>
<td>6/4/19</td>
<td>Negative (367)</td>
</tr>
<tr>
<td>6/5/19</td>
<td>Neutral (2.7K)</td>
</tr>
<tr>
<td>6/6/19</td>
<td>Positive (2.0K)</td>
</tr>
<tr>
<td>6/7/19</td>
<td>Negative (367)</td>
</tr>
<tr>
<td>6/8/19</td>
<td>Neutral (2.7K)</td>
</tr>
<tr>
<td>6/9/19</td>
<td>Positive (2.0K)</td>
</tr>
<tr>
<td>6/10/19</td>
<td>Negative (367)</td>
</tr>
</tbody>
</table>
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 2018/2019

<table>
<thead>
<tr>
<th>Category</th>
<th>Years</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>Injury Only w/Medical - No Lost Time</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>1</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>2</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>
</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>
</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>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>OSHA Recordable Injuries</td>
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<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>2019</td>
<td>7</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>1</td>
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<td>Injury Lost Time</td>
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<td>19</td>
<td>0</td>
<td>3</td>
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<tr>
<td></td>
<td>2019</td>
<td>47</td>
<td>9</td>
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<td>0</td>
<td>15</td>
<td>0</td>
<td>0</td>
<td>71</td>
</tr>
<tr>
<td>Restricted Work Days</td>
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<td>75</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>49</td>
<td>0</td>
<td>0</td>
<td>124</td>
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<td></td>
<td>2019</td>
<td>101</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>161</td>
<td>0</td>
<td>0</td>
<td>292</td>
</tr>
<tr>
<td>Total Work Hours</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>
</tr>
<tr>
<td></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>
</tr>
<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>
</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>
</tr>
<tr>
<td>Lost Time Case Rate</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>
</tr>
<tr>
<td></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>
</tr>
<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>
</tr>
<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>
</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