

10906
03/1/2019

MINUTES OF THE FORMAL SESSION OF THE BOARD OF TRUSTEES OF MICHIGAN TECHNOLOGICAL UNIVERSITY held pursuant to due call Ballroom B of the Memorial Union Building on the campus of Michigan Technological University in the City of Houghton, Michigan at nine o'clock on the morning of March 1, 2019.

The Board of Trustees of Michigan Technological University met in formal session at the University's campus at Michigan Technological University in the City of Houghton, State of Michigan, at 9:00 a.m., on the 1st day of March, in Ballroom B of the Memorial Union Building. The place, hour, and date duly established and duly published for the holding of such a meeting.

The meeting was called to order by the Chair, B. Ryan, and a quorum was declared present.

The following members of the Board of Trustees were present:

B. R. Ryan, Chair
W. L. Johnson, Vice Chair
J. U. Bacon
R. J. Jacquart
L. D. Kennedy
J. C. Littmann
D. D. Sanders
S. M. Tomaszewski (via conference phone)
R. J. Koubek, ex officio

Also present during part or all of the session were: Julie Seppala, Treasurer; Bonnie Gorman, Dean of Student and Associate Provost for Student Affairs; John Lehman, Vice President for University Relations and Enrollment; Kellie Raffaelli, Special Assistant to the President for Diversity and Inclusion; David D. Reed, Vice President for Research and Interim Chief Financial Officer; William Roberts, Interim Vice President for Advancement; Suzanne Sanregret, Athletic Director; and various members of the faculty, administrative staff, student body, press and public.

Where item numbers are used, they refer to corresponding item numbers in the agenda, in the hands of the Board members.

I. APPROVAL OF AGENDA

The agenda was amended to table VI-E. 2019-2020 Room and Board and Apartment Rental Rates until the May 2019 meeting.

It was moved by W. Johnson, supported by D. Sanders, and passed by voice vote without dissent, that the agenda of the formal session of March 1, 2019, as distributed to the Board, be approved.

II. APPOINTMENT OF SECRETARY

As Roberta Dessellier retired on January 19, 2019, it is being recommended that the Board appoint a Secretary effective March 1, 2019.

It was moved by W. Johnson, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Trustees appoints John Lehman as Secretary effective March 1, 2019.

III. OPENING REMARKS

A. Chair's Comments

Good morning and welcome to our first Board of Trustees meeting in 2019.

I would like for everyone to join me in welcoming our two new Trustees, Jeffrey Littmann and John Bacon to the Board. I had the pleasure to meet with both of them a few weeks ago and I can tell you that the university will continue to be in good hands with both Jeff and John. They bring an added level of diversity and knowledge that will only enhance the mission of Michigan Tech. On behalf of the Trustees, we look forward to serving with you. As Board Chair, it has been most exciting to watch the development of the Tech Forward Initiatives by the university community. Last Fall more than 500 faculty, staff and students engaged in campus conversations focused on how Michigan Tech will (1) prepare its students, (2) influence and adapt to disruptive forces and (3) conduct responsive research.

Yesterday, during our Board Retreat, the Tech Forward Initiative Leaders gave presentations on their preliminary work to date. Nine institutional initiatives emerged around five themes. The Board heard how each of these groups might:

- Develop solutions to natural resources, water, and energy problems,
- Build innovative autonomous and intelligent systems,
- Create technological solutions to enhance human health and the quality of life,
- Prepare culturally receptive leaders for a diverse world and
- Redefine education for the next generation

Tech Forward brings together all that is best about Michigan Tech and will indeed propel the institution in a direction that ensures it remains a key asset to our students, our faculty, the state of Michigan, industry and our Alumni. We are all looking forward to these initiatives to

10908
03/1/2019

continue to come into sharper focus as we progress towards the summer and we thank you for your work thus far.

The University Budget Forum, sponsored by the Senate, Undergraduate Student Government and Graduate Student Government was held this past Tuesday afternoon. This healthy exchange of information in the spirit of shared understanding and responsibility is commendable; strong communities have strong stakeholders. Our community of scholars and students greatly benefit from this shared commitment to ensure the ongoing well-being of the institution.

President Koubek's testimony in Lansing to the House Appropriations Subcommittee for Higher Education was very well received. The state of Michigan continues to understand that its investment in Michigan Tech is certainly warranted and that their original charge to our institution, to serve the needs of the state's industry, continues to be fulfilled. If anything, last week's well attended Career Fair by recruiters was further evidence of how Michigan Tech prepares its students for the workforce.

It really is remarkable -- that just over a year ago, we as Michigan Technological University's Board of Trustees, were in the final phase of selecting Michigan Tech's 10th president. I don't think any of us, at the time, could have predicted the remarkable progress we have made as an institution over the past twelve months. This is a testament to the spirit of our faculty, staff and students and their willingness to embrace innovation and change, which was on full display at yesterday's Board retreat. We were all immensely impressed with the forward thinking ideas presented by the leaders of the nine initiatives for Tech Forward. I can also say that we are certainly energized by the momentum occurring on campus. This is a sign of good leadership, teamwork and commitment by everyone involved. But, it is also a testament about the passion, enthusiasm and energy we all share as a campus community and our mutual desire to constantly press the boundaries of excellence.

As a Board, we are grateful to all of you for your spirit and tenacity. We know it is the people and the culture of an institution that ultimately defines its destiny. Thank you

We will now hear from President Koubek.

B. President's Comments

Chair, Members of the Board. Thank you for your time this morning and your service to Michigan Tech.

On the past two occasions that I've presented to the board, I shared with you a future direction and vision for Michigan Tech on behalf of campus. Some labelled the goals "aspirational", others called them "a bit audacious" and others classified them as "stretch goals" for this year. But, after meeting individually with nearly every academic department and support unit on campus over the past seven months, my confidence for achievement is steadfast. As I listened to our faculty and staff talk about the aspirations for their units, four common themes permeated each conversation in one form or another.

I would like to share with you today what I have heard.

First, the campus has embraced a spirit of continual improvement. While the conversations included the excellence already found in each the unit, it quickly turned to how we can get even better. Every week, I learn about a training program or seminar designed to improve the educational and research experience on our campus. Be it the Teaching at Tech workshops or the 5S Lean Workshop for staff -- there is always something happening on campus focused on improvement. I believe that is one of the reasons the campus been so successful thus far with the Tech Forward initiative. As our board members witnessed yesterday, the ideas, collaboration and innovation demonstrated at the Tech Forward presentations were admirable and we are thankful to those who have spent so much time and energy driving these initiatives.

Also in this regard, I would like to specifically recognize Michigan Tech's University Senate, under the leadership of President Mike Mullins, Vice President Cayce Will and the executive council. They have worked extremely hard this year to pass what appears to be a record number of proposals and initiatives to improve our academic programs and campus life. And they are still not done.

Second, identity. We know Tech is like no other. The tenacity. The relentlessness. A self-confident humility found in our students. There is no standard mold at Michigan Tech -- we strive for each person to accepted for themself and uniting this diversity has made us stronger.

Third, Everyone I talk to, and I mean this, does not view their position as "just a job." It is their passion, where they invest themselves into their work. And, it's not just here within the confines of our campus. This passion spills out into the community. At Michigan Tech, the faculty and staff are not only invested in the outcomes of our students and their future -- but also our community and the economic vitality of our region.

And, finally, commitment. Specifically a commitment to student success. In my meetings with faculty and staff, the student experience and student success was always at the forefront of our conversations. The discussions range from scheduling and housing issues, to academic programs and tuition costs, affordability and access.

Continuously Improving. Unique identity, Personally Invested and Commitment to students.

These are reasons we shall, as a leadership team, make decisions that honor the ideals of our campus community and our commitment to access, affordability and excellence.

I conclude these remarks by expressing my thanks to the staff and faculty who work every day to make Michigan Tech a better place for our students and the community. Thank you.

IV. COMMITTEE REPORTS

IV-A. Academic Affairs Committee Report

Ms. Linda Kennedy reported that the Committee did not have an opportunity to meet since the last meeting. Linda wanted to take this opportunity to welcome new Board of Trustee's member, John Bacon, to the Academic Affairs Committee.

IV-B. Audit and Finance Committee Report

Mr. Steven Tomszewski reported that the Audit and Finance Committee met once since the last board meeting and hosted several conference calls as their ongoing commitment for fiscal excellence. Steve wanted to take this opportunity to welcome new Board of Trustee's member, Jeffrey Littmann, to the Audit and Finance Committee.

The Committee reviewed the Financial Position and outlook for FY '19, which included the second quarter financial results and projections for the general fund and current fund, as well as the cash position for the University.

Other items reviewed on an annual basis by the Audit and Finance Committee are:

- Historical trends for revenues, expenses and investments
- Five year historical metrics
- Five year targets for enrollment, employment, and diversity
- Operating investment guidelines
- Capital Projects Update
- Quarterly Report on Continuous Improvement Using Lean Principles

In preparing and planning for the next fiscal year, the Committee reviewed the Fiscal Year '20 Tuition and Room and Board Rates, which included enrollment projections and long-term planning targets.

Preliminary finance discussions occurred regarding the State Capital Outlay for the H-STEM Complex.

IV-C. Leadership Committee

Bill Johnson reported that the Leadership Committee met with President Koubek to receive an update and discuss his base salary and bonus plan objectives for this fiscal year. The President's goals and objectives for the next fiscal year will be reviewed at the next Committee meeting.

The committee also reviewed their Committee Charter. Minor improvements will be discussed at the next meeting.

The Committee also discussed a Board of Trustee's Chair and Vice Chair for the next Academic Year; a recommendation will be made at the May meeting.

V. CONSENT AGENDA

It was moved by W. Johnson, supported by D. Sanders, and passed by voice vote without dissent, that the Board of Trustees approve and adopt the items contained in the Consent Agenda.

V-A. Approval of Minutes

It was moved by W. Johnson, supported by D. Sanders, and passed by voice vote without dissent, that the minutes of the formal session of December 14, 2018, as distributed to the Board, be approved.

V-B. Gifts

It was moved by W. Johnson, supported by D. Sanders, and passed by voice vote without dissent, 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 January 31, 2019
Compared to Prior Year**

| Source | FY19 YTD Total | FY18 YTD Total | FY18 Total |
|---|-------------------|-------------------|-------------------|
| Individuals - Major Gifts (25K and up) | 13,799,810 | 11,031,764 | 17,991,494 |
| Realized Planned Gifts (Unanticipated) | 47,487 | 1,104,129 | 2,132,476 |
| Individuals - non-Major Gifts | 1,359,568 | 1,351,176 | 1,972,362 |
| Full Value New Planned Gift Commitments | 7,644,819 | 6,817,500 | 12,138,000 |
| Annual Fund | 1,012,389 | 944,243 | 1,491,595 |
| Corporate Sponsored Research | 7,168,184 | 460,485 | 3,025,560 |
| Corporations | 1,000,820 | 1,023,959 | 2,142,215 |
| Foundations & Other Organizations | 214,709 | 91,004 | 163,999 |
| Gifts-in-Kind | 956,313 | 118,387 | 323,917 |
| Grand Total | 33,204,099 | 22,942,646 | 41,381,619 |

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

V-C. Resignations, Retirements and Off Payroll

It was moved by W. Johnson, supported by D. Sanders, and passed by voice vote without dissent, that the Board of Trustees accepts the resignations and confirms the off payroll determinations.

BOARD OF TRUSTEES OFF-PAYROLL REPORT
(November 18, 2018 – February 9, 2019)

RETIRED

| Name | Class | Department | Title | Most Recent Hire Date | Term Date |
|---------------------|---------|--|---|-----------------------|------------|
| Beard, John | Faculty | Mechanical Engineering- Engineering Mechanics | Associate Professor | 01/06/1992 | 01/05/2019 |
| Dessellier, Roberta | Staff | President's Office | Executive Associate to the President / Secretary to the Board of Trustees | 10/02/1975 | 01/19/2019 |
| Johnson, Dana | Faculty | School of Business and Economics | Professor | 08/22/1999 | 01/04/2019 |
| Seely, Nancy | Staff | Jackson Center for Teaching & Learning | Associate Director Jackson Center for Teaching & Learning | 08/29/1994 | 02/09/2019 |
| Tomasi, Michael | Staff | Facilities Management | Facilities Manager | 01/08/1990 | 01/03/2019 |
| Wareham, Donald | Staff | Vice President for Research | Manager Chemical Stores | 09/12/1977 | 01/11/2019 |

OFF-PAYROLL

| Name | Class | Department | Title | Most Recent Hire Date | Term Date |
|---------------------|---------|---|--|-----------------------|------------|
| Brodeur, Shannon | Staff | Facilities Management | Administrative Support Specialist | 08/28/2017 | 01/17/2019 |
| Clancey, Michael | Faculty | Chemical Engineering | Instructor | 08/15/2016 | 01/18/2019 |
| Esterline, Diane | Staff | Jackson Center for Teaching & Learning | Office Assistant 3 | 09/10/2018 | 11/24/2018 |
| Frank, Marie | Staff | Residential Dining | Food Service Helper | 08/27/2018 | 12/10/2018 |
| Hauswirth, Gavin | Staff | Residential Dining | Food Service Helper | 08/27/2018 | 12/17/2018 |
| Jacques, Shane | Staff | Innovation & Commercialization | Senior Business Consultant | 09/10/2018 | 02/01/2019 |
| Kastamo, Mark | Staff | University Marketing & Communications | Print Specialist | 07/03/2006 | 01/04/2019 |
| Kerr, Rachael | Staff | Graduate School | Digital Content & Special Program Manager | 12/11/2017 | 02/01/2019 |
| Mahmoudian, Nina | Faculty | Mechanical Engineering- Engineering Mechanics | Associate Professor | 12/26/2010 | 12/30/2018 |
| Markham, Karmen | Staff | Counseling Services | Case Manager | 07/20/2008 | 01/25/2019 |
| Nelson, Casey | Staff | Facilities Management | Office Assistant 6 | 06/18/2018 | 12/28/2018 |
| Pattenaude, Timothy | Staff | Michigan Tech Research Institute (MTRI) | Research Engineering/Scientist I | 07/08/2013 | 01/16/2019 |
| Rastgaar, Mo | Faculty | Mechanical Engineering- Engineering Mechanics | Associate Professor | 12/26/2010 | 12/30/2018 |
| Schwartz, Tyler | Staff | Enterprise Application Services | Programmer/Analyst | 01/26/2015 | 01/04/2019 |
| Thome, Matthew | Staff | Kinesiology/Integrative Physiology and General Athletics | Instructor / Assistant Track & Field / Cross Country Coach | 09/04/2012 | 01/02/2019 |
| Williams, Christine | Staff | Transportation Services | Office Assistant 5 | 03/26/2018 | 12/28/2018 |
| Zhang, Shasha | Staff | Internal Audit | Auditor | 08/27/2018 | 01/14/2019 |

10913
03/1/2019

V-D. Degrees in Course

It was moved by W. Johnson, supported by D. Sanders, and passed by voice vote without dissent, that the Board of Trustees approves the awarding of the degrees as specified, to each of the candidates listed, and offer congratulations.

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|--|--|
| Associate of Arts in Humanities | Patrick Ronald Munson |
| Bachelor of Arts in Communication, Culture, and Media | Bridget Irene Alaniva - Cum Laude |
| | Matthew Christian Cavender |
| Bachelor of Arts in Physics | Robert J Stenger |
| Bachelor of Science in Accounting | Alexander Phillip Claerbaut |
| | Lili Jiang |
| | Erin Patricia Lipp - Magna Cum Laude |
| | Alexandra Elizabeth Morley |
| Bachelor of Science in Applied Ecology and Environmental Sci | Logan Thomas Hawley |
| | Joslyn Elaine Pomeroy |
| Bachelor of Science in Applied Geophysics | Katie E Bristol |
| | Daniel Brian Trekas - Cum Laude |
| Bachelor of Science in Applied Physics | Taylor May Kaminski |
| Bachelor of Science in Audio Production and Technology | Brendan David Espinosa |
| | Steven Anthony Klier |
| | Ethan Charles Sommer |
| Bachelor of Science in Biochemistry and Molecular Biology | William Callow Christian - Summa Cum Laude |
| | Reginald Lawrence Mullen |
| | Terry Vliek |
| Bachelor of Science in Biological Sciences | Ciera M Danen - Magna Cum Laude |
| | Gary Michael Swain |
| | Rachel Anne Wall - Cum Laude |
| | Richard Yang - Magna Cum Laude |
| Bachelor of Science in Biomedical Engineering | Grace Frances Louise Carey |
| | Monica Louise Nelson |
| | Levi L Oxner |
| | Daniel Pieter Puyleart |
| Bachelor of Science in Chemical Engineering | Carolynn Aspen Que |
| | Tyler Tarec Dennis |
| | Tanner Montana Norcross |
| Bachelor of Science in Chemistry | Joseph Alan Brouwer |
| | Brian Patrick Burtka - Cum Laude |
| | Alyssa Jailee Cinder - Magna Cum Laude |
| | Danielle R Langdon |
| | Tyler J Phillips |
| Bachelor of Science in Civil Engineering | Hannah Marie Akey |
| | Addison Marie Bailey |
| | Alexander Michael Baker - Summa Cum Laude |
| | Grant Michael Beatus |
| | Ryan Michael Beering - Summa Cum Laude |
| | Margaret Louise Clark |
| | Tasha L Cook |
| | Brett Wesley Daavettila |
| | Brandi Nicole Dain - Cum Laude |
| | Luke Patrick Dowell |

10914
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|--|--|
| | Luke William Esposito - Cum Laude |
| | Michael Thomas Walter Frahm |
| | Joseph Michael Giancarlo |
| | James Parker Hegel |
| | Chad Edward Helppi |
| | Kyle Thomas Hiltunen - Magna Cum Laude |
| | Brock V Jabusch |
| | Tyler Daniel Jacquain - Magna Cum Laude |
| | Anthony Alan Jakska |
| | Tyler Andrew Kearly |
| | Carlee Joyce Klenotich |
| | Kyle Peter Lehto |
| | Cade Douglas MacArthur |
| | Seth Joseph Malcolm |
| | Jacob John Munie |
| | Isaac Edward Pantti |
| | Maya Marie Price - Cum Laude |
| | Gregory Lee Schultz |
| | Andrew Gentry Shepard |
| | Jesse Dakota Steeves |
| | Michael Paul Stepnak |
| | Brandon Scott VanWert - Magna Cum Laude |
| Bachelor of Science in Computer Engineering | Isobel Mae Alberts |
| | Drew Hubert Applegath |
| | Cameron Nicholas Burke |
| | Justin Allen Evankovich - Summa Cum Laude |
| | Alexander Ryan Gall |
| | Zachary Jhon Garavet - Magna Cum Laude |
| | Cole Edward Kendall |
| | Cody Hunter Kovar |
| | Brendan James Miller |
| | David Peter Muter - Cum Laude |
| | Winston Montgomery Parker |
| | Jack Richard Swanberg - Magna Cum Laude |
| | Benjamin Davis Tovar-Prince |
| | Haden P Wasserbaech |
| Bachelor of Science in Computer Network and System Administr | Carlos Williams-Moreiras - Magna Cum Laude |
| | Ashley Ann Brown |
| | Trevor J Burek |
| | Michael Adrian Conway |
| | Dylan Wayne Earls |
| | Isaac James Hermann - Cum Laude |
| Bachelor of Science in Computer Science | Benjamin Charles Stinchcomb - Cum Laude |
| | Collin Bailey Bernard |
| | Stephen D Colegrove |

10915
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|--|---|
| | Neil Joseph Culbertson |
| | Matthew James Finzel |
| | Brandon Alexander Johnson - Cum Laude |
| | Daniel Erik Knenlein |
| | Brett Robert Kurzawa - Magna Cum Laude |
| | Brennan Douglas Lautner |
| | Samuel August Meluch |
| | Utkarsh Mishra |
| | Connor Gary Przybyla |
| | Joseph David Ryan |
| | Jiaxin Teng |
| | Ajay Vasu |
| | Nikita John Velat |
| | Kate M Weber |
| | Jamie J Witmer - Cum Laude |
| | Daniel Jacob Wood - Cum Laude |
| Bachelor of Science in Construction Management | Aaron Ray Crapsey |
| Bachelor of Science in Electrical Engineering | Cameron Nicholas Burke |
| | Christine Ann Cauley |
| | William Mark Comillie |
| | Matthew Aaron Cukier |
| | Paul Frank Daily |
| | Brandon M Guster |
| | Sean Michael James |
| | Jacob R Jarvis - Cum Laude |
| | Justin T Jung |
| | Michael David Kytola |
| | Chen Lou |
| | Drake James McClendon - Cum Laude |
| | Matthew Jeffrey O'Brien |
| | Levi L Oxner |
| | Trevor Brendan Peffley |
| | Lanna Raye Pirkola - Magna Cum Laude |
| | Isaac Kenneth Rasmusson |
| | Bradley Thomas Revett |
| | Marc Robertson |
| | Nolan Norbert Rochelle |
| | Nicholas Woodward Shabino |
| | Thomas C Siler |
| | Alexa Raye Thompson |
| | Michael Theodore Von Kronenberger - Cum Laude |
| | Sarah Shang Wade - Magna Cum Laude |
| | Gabriel Richard Wykle |
| | Hui Xie |
| Bachelor of Science in Electrical Engineering Technology | Jenna Lyn Gillman |

10916
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|---|--|
| | Zachary L Sargent - Cum Laude |
| | Kai Bourdeau Wilkinson |
| Bachelor of Science in Engineering | Patrick Karl Sargent |
| Bachelor of Science in Engineering Management | Timothy Adam Bart - Cum Laude |
| | Kelby Paul Chrvia |
| | Gabriela Elena Mayorga |
| Bachelor of Science in Environmental Engineering | Paige Nicole Wojcik-Wilson |
| | Ellen Victoria Aiken - Magna Cum Laude |
| | Caitlin Marie Korvela |
| | Sarah Jo Martens - Summa Cum Laude |
| | Michael Anthony Rosati |
| | Kaitlyn Anne Sterling |
| | Rose Cecilia Turner - Summa Cum Laude |
| | Alexander Haviland Ware |
| | Robert Michael Watt |
| Bachelor of Science in Exercise Science | Christine Danielle Wood - Magna Cum Laude |
| | Nicholas Gordon Carlson - Summa Cum Laude |
| | Benjamin Alden Cockfield - Magna Cum Laude |
| | Gretchen Elizabeth Helminen - Cum Laude |
| | Eric P Keskimaki |
| | Max D Keyzers |
| Bachelor of Science in Finance | Hannah Josephine Maat |
| | Mason George Blacklock |
| Bachelor of Science in Forestry | Cody Jay Eppert |
| | Michael A MacIntosh |
| | James Robert Park - Cum Laude |
| Bachelor of Science in Geological Engineering | Frederick Michael Saigh - Magna Cum Laude |
| | Tasha L Cook |
| | Anthony Richard Deciechi - Cum Laude |
| | Graham Evan Hubbell |
| | Katelyn Elizabeth Kring - Summa Cum Laude |
| | Tyler N Maiers |
| | Leah Ahn Meek |
| | Michael Xavier Schienke - Cum Laude |
| | Robert Biedron Shlimovitz |
| Bachelor of Science in Geology | Melanie Joy Zondag - Cum Laude |
| Bachelor of Science in Management | Kelly Ann Edwards |
| | Stephen Michael Butina - Cum Laude |
| | Rachel A Chard - Magna Cum Laude |
| | Nolan Charles Storm |
| Bachelor of Science in Management Information Systems | Damon D Greer |
| | Christian Alexander Pirie |
| | Stephen Nicholas Ross |
| Bachelor of Science in Marketing | Nuwanga H Wanaguru |
| | Catalina Ann Palm |

10917
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|--|---|
| Bachelor of Science in Materials Science and Engineering | Elizabeth Megan Beauvais Simon James Eddy Ryan Lloyd Hebner Daniel Jerome LaCroix - Summa Cum Laude Karry Adeline Modolo - Magna Cum Laude Charles Alan Newlin Jacob Braykovich Park Zachary Lawrence Reuter Tyler G Rick Laura K Schimmel - Cum Laude |
| Bachelor of Science in Mathematics | Benjamin Bergeron Scott Strachan Darios Brandon Thomas King Eric Edward Minch Andrea N Spencer - Cum Laude Nolan Robert Stoffer |
| Bachelor of Science in Mechanical Engineering | Aimee Mary Allen - Magna Cum Laude Roberto Araujo Ferreira - Cum Laude Joseph Robert Axberg Zachary Allan Bauman Jalen Jessie Beck Jeremy Howard Bell Kaleb Zaide Bergman Timothy Daniel Billman Taylor James Bischof Logan Mitchell Brueck Weston Floyd Butler Dennis James Byard - Cum Laude Greta Pryor Colford - Cum Laude Marlena Aileen Daniels - Cum Laude Aaron Joseph Dean Stephen Lyle Dietrich Austin Daniel Dohse Matthew John Lehman Erickson Douglas O Fabry Conner Jamison Ford - Summa Cum Laude Joshua Michael Gentner Joshua M Gerez Jessica Ann Geroux Cassandra Michelle Gietek Steven Frank Golm - Magna Cum Laude Alexander John Goreyca Ryan Casey Groves Nicholas Jared Harmsen - Summa Cum Laude Matthew Cantrell Hays |

10918
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

Jacob W Herzog
Dustin Shawn Hitchings
John Joseph Hoffman
Joseph Angelo Hurford
Victor Medell Ierulli
Todd Alex Impola - Magna Cum Laude
Nicholas Spencer Irwin
Michael Maloney James
Chenguang Jin
Andrew Scott Johnson - Cum Laude
Brandon Johann Alexande Johnson
Clark Alan Kangas
Michael Dennis Kennedy
Leroy Taylor Kincannon - Summa Cum Laude
Rachel Kailey Kolb
Christian S Koszewski
Alexandra Gabrielle Krisztian
Daniel Jerome LaCroix - Summa Cum Laude
Scott Edward Laiho
Brandt Harrison Lanser
Brendan John Lefebvre
Justin John Lerma
Andrew Steven Luchenbach - Summa Cum Laude
Matthew Allan McInerney
Mendel Gregory Meister
Lucas John Meyer - Cum Laude
Adam Michael Michaud
Robert Theodore Mikula-Malstrom
Alexander Rogers Miller
Tyler James Miller
Adam Daniel Mitchell
Jeffrey John Mott
Armand Anthony Mucci - Cum Laude
Brandon T Narodzonek
Hannah Jo Nelson
James Paul Noble
Benjamin Eric Palmer
Justin Patrick Pearl
Shawn Allan Peterson
Sabrina J Pflanzner
Brian Zachary Piechocki - Cum Laude
Levi Aaron Pietila
Carson Christopher Price - Cum Laude
Spencer Patrick Reames
Taylor Chadderdon Reed - Cum Laude

10919
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|--|---|
| | Thomas Joseph Richter |
| | Brian Paul Roman |
| | Bryant James Rowe |
| | Marshall Manning Sayles |
| | Laura K Schimmel - Cum Laude |
| | Alec Benjamin Schmoll |
| | Christopher Steven Schultz |
| | Brayden Charles Severt - Cum Laude |
| | Devon Jay Smith |
| | Maxwelle Alexander Smith |
| | Daniel William Thomas Stapley - Cum Laude |
| | Cora Jane Taylor |
| | Matthew Jared Thompson - Magna Cum Laude |
| | Collin Judd Triick |
| | Jackson Dean Troin |
| | Courtney Elizabeth VanWagoner |
| | Michael Alan Vennard - Cum Laude |
| | Sivakumar Dinesh Vigneshwar |
| | Julia T Vu |
| | Alan James Wilson - Summa Cum Laude |
| | Andrew John Wunderlin |
| | Gabriel Richard Wykle |
| | Duo Zhang |
| Bachelor of Science in Mechanical Engineering Technology | Benjamin Robert Bartosh |
| | Miakel Sheridan-Gilbert Bixler |
| | Drew Johnathon Bonnee |
| | Bradley Daniel Byrne |
| | Russell D Crofton |
| | Brian Michael Gronevelt |
| | Sean K Gustafson |
| | Christopher Lee Horger-Hill |
| | Ryan M Hulbert |
| | Connor Patrick King |
| | David Geyer Kloiber - Cum Laude |
| | Thomas Anthony Klonowski |
| | Shawn Robert Kroll |
| | Jooyeol Lee |
| | Jacob Daniel Lundin |
| | Brent M Marcusen |
| | Josh John Meierhofer |
| | Heather Elainah Mensch |
| | Alexander Steven Nyhoff |
| | Nicholas Schmulbach Schaefer |
| | Adam C Scholl - Cum Laude |
| | James Robert Stine |

10920
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|--|---|
| Bachelor of Science in Medical Laboratory Science | Monica Kay Vine Joshua Gale Bowman Allison Haley Branch Kaycee Ann Kolar Caitalyn Heather Nielson |
| Bachelor of Science in Psychology | Ashley Ann DeVoge Margrethe Grace Fisher Jennifer R McDonald - Cum Laude Darby Hammond McLaurin Sara Sandra Pietila Samantha June Verran |
| Bachelor of Science in Scientific and Technical Communicatio | Xena Leigh Cortez Noah K Kozminski Brianna Lynn Neeb |
| Bachelor of Science in Social Sciences | Peter Steven Mayer |
| Bachelor of Science in Software Engineering | Richard Lee Carpenter Joshua Lee Fosdick - Summa Cum Laude Nicholas Lee Fosdick - Summa Cum Laude Brett Andrew Kriz Marcus Anthony Stojceovich - Summa Cum Laude Daniel Kenneth Wagner Eric Richard Widmann - Magna Cum Laude Bryce E Williams Logan Scott Wilson |
| Bachelor of Science in Sports and Fitness Management | Austin Richard Johnson Daniel Harrison Perrault |
| Bachelor of Science in Surveying Engineering | Kyle Thomas Hiltunen - Magna Cum Laude |
| Bachelor of Science in Theatre and Entertainment Technology | Luke Degen Dixon |
| Bachelor of Science in Wildlife Ecology and Management | Ashley P Berton - Magna Cum Laude Scott Michael Davison Emily Rose Fifelski Nathan Aaron Kriger |
| Doctor of Philosophy in Applied Cognitive Science and Human | Seyedeh Maryam Fakhr Hosseini |
| Doctor of Philosophy in Atmospheric Sciences | Janarjan Bhandari Neel Uday Desai |
| Doctor of Philosophy in Biochemistry and Molecular Biology | Roba Bdeir Jeffrey D Kiiskila Trevor H Moser |
| Doctor of Philosophy in Biomedical Engineering | Ameya Ravindra Narkar |
| Doctor of Philosophy in Chemical Engineering | Richard James Machiela |
| Doctor of Philosophy in Chemistry | Mingxi Fang Shanshan Hou |
| Doctor of Philosophy in Civil Engineering | Sangpil Ko Shuaidong Zhao |
| Doctor of Philosophy in Computer Engineering | Yachen Tang |

10921
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|---|--|
| Doctor of Philosophy in Electrical Engineering | Casey Dennis Demars Paniz Khanmohammadi Hazaveh Mehrzaad Mohammadi Bijaieh Jingyuan Wang Zhiyuan Yang |
| Doctor of Philosophy in Engineering - Environmental Engineer | Mohammad Alizadeh Fard Aditya Kumar Zhimin Song |
| Doctor of Philosophy in Environmental and Energy Policy | John Bradley Barnett |
| Doctor of Philosophy in Forest Molecular Genetics and Biotech | Wenping Deng |
| Doctor of Philosophy in Geological Engineering | Priscilla Efua Addison |
| Doctor of Philosophy in Geology | Hans N Lechner |
| Doctor of Philosophy in Integrative Physiology | Matthew Allen Kilgas |
| Doctor of Philosophy in Mechanical Engineering - Engineering | Mufaddel Zohar Dahodwala Edward De Jesus Rivera Muhammed Rifat Imam Bingxi Li John Joseph Salvato |
| Doctor of Philosophy in Physics | Dolendra Karki Kevin Waters Mingxiao Ye |
| Master of Business Administr. in Business Administration | Samantha Michele Auger Brent Andrew Baltus Jannah Rae Brandt Jacob David Brown Jenna Morgan Burns Aoi Buto Amanda Caldwell Ellaina E Cook Jason Frood Hawke Courtney Rose Holzberger Brandon Michael Hutchison Corey Michael Labissoniere Garrett Patrick Mitchell Daniel J Schlais Alex Michael Sherbinow |
| Master of Forestry in Forestry | Jarrod Lee Amundson Joseph Johnson Garret Lee Price |
| Master of Geographic Info Sci in Geographic Information Scie | Parth Parimalbhai Bhatt Danielle Rupp |
| Master of Science in Accounting | Gina Marie Roose Lihua Zhang |
| Master of Science in Applied Cognitive Science and Human Fac | Erin Nicole Richie Kaitlyn Marie Roose |

10922
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|---|-----------------------------|
| Master of Science in Applied Ecology | Megan Minnie Cleaver |
| Master of Science in Applied Natural Resource Economics | Mo Li |
| | Karl Enrike Palm |
| Master of Science in Applied Physics | Brandon D Blasiola |
| Master of Science in Biological Sciences | Msharee Saleh F Alrashedy |
| | Timothy Michael Butler |
| Master of Science in Biomedical Engineering | Reis Guthrie Mielke Jones |
| | Tithi Vinendra Tiwari |
| Master of Science in Chemical Engineering | Michael Scott Archambo |
| | Xi Chen |
| | Sanaz Habibi |
| | Rishab Patil |
| Master of Science in Civil Engineering | Jessica Kathryn Daignault |
| | Jacob Allen Loew |
| | Madison Nicole Olmstead |
| Master of Science in Computer Engineering | Deepak Reddy Danda |
| | Vincent Thomas Druschke |
| Master of Science in Computer Science | Jiban Krishna Adhikary |
| | Joshua Richard Marshall |
| | James Steven Roznick |
| | Mark Charles Schlax |
| Master of Science in Data Science | Karen Marie Colbert |
| | Akshara Coomar |
| | Utkarsha Negi |
| | Rohith Pagadala |
| | Belle Pandya |
| | Sucheta Vinayak Sadalgekar |
| | Sivaramakrishnan Sriram |
| | Abdullah Tahir |
| Master of Science in Electrical Engineering | Himanshu A Barapatre |
| | Anindya Ghoshroy |
| | Jonathan Eddier Goldsworthy |
| | Yuancheng He |
| | Hui Huang |
| | Nikunj M Mathukiya |
| | Mehrzad Mohammadi Bijaieh |
| | Yuzhou Tang |
| | Pratik Shrinivas Tuplondhe |
| | Shweta Sanjay Vetel |
| | Zhouquan Wu |
| Master of Science in Environmental Engineering | Terrianna Lynn Bradley |
| | Erica A Coscarelli |
| | Qiuyuan Nan |
| | Margaret Neff |
| | Jaya Sanjay Shirke |

10923
03/1/2019

Michigan Technological University
Degrees Awarded for Conferral Term 201808

| | |
|--|-------------------------------|
| Master of Science in Environmental Engineering Science | Emily Shaw |
| Master of Science in Forest Ecology and Management | Tugay Demiraslan |
| | Thomas John Nara |
| Master of Science in Forestry | Tyler J Hovde |
| Master of Science in Geology | Mary K Witucki |
| Master of Science in Geophysics | Jer Yu Jeng |
| Master of Science in Integrated Geospatial Technology | Erin Lynn Jean |
| Master of Science in Kinesiology | Jake Jeffery Isaacson |
| Master of Science in Materials Science and Engineering | Peter Johannes Hokemeir-Seim |
| | Julia Mary Scruton |
| Master of Science in Mathematical Sciences | Jacob James Blazejewski |
| Master of Science in Mechanical Engineering | Nitisha Ahuja |
| | Vinicius Bonfochi Vinhaes |
| | Sampath Kumar Reddy Boyapally |
| | Daniel Steven Bruck |
| | Surya Prakash Reddy Dasari |
| | Baleshwar Gowdelli |
| | Michael Thomas Heilman |
| | Abhishek Kamlesh Jadav |
| | Abhishek Javvaji |
| | Anurag Kamal |
| | Jianyang Lyu |
| | Byrel Robert Mitchell |
| | Balaji Murali |
| | John Eliot Naglak |
| | Divykumar Chandrakant Patel |
| | Aishwary Sharad Patil |
| | Devyani Balwant Patil |
| | Clive Nelson Pinto |
| | Maryam Pourhasanzadehsharifi |
| | FNU Rahul Jitendra Thakkar |
| | Sai Charan Sandugula |
| | Nikhil Appasaheb Shinde |
| | Shubhada Satishraje Surve |
| | Mitchel Lee Timm |
| | FNU Tushar Khanna |
| | Amit Dev Vojini |
| Master of Science in Medical Informatics | Sharefa Bajabir-Geddes |
| Master of Science in Physics | Ziwei Qian |
| Master of Science in Rhetoric, Theory and Culture | Emily Marie Simmons |
| Master of Science in Statistics | Xiaoqing Gao |

*Addendum to Conferral: Jacob Braykovich Park degree awarded for term Spring 2016
Michigan Technological University, Registrar's Office 07-Feb-2019

VI. ACTION/DISCUSSION ITEMS

VI-A. Employee Recognition

It was moved by W. Johnson, supported by R. Jacquart, and passed by voice vote without dissent that the Board of Trustees adopts the Resolution in Appreciation for the following individuals:

Ms. Roberta Dessellier – 43 years of service
Mr. Donald Wareham – 41 years of service

VI-B. Exclusion Resolution for the Department of Defense

In 2008 the Board of Control amended policy 12.8. Security Clearance Department of Defense by establishing an Executive Committee. On March 5, 2009, the Board approved an Exclusion Resolution for the Department of Defense that excludes Board of Trustees member's access to classified information unless they are a member of the Executive Committee. The Board appointees to the Executive Committee are Bob Jacquart, Brenda Ryan and Derhun Sanders. The Administration is requesting that the Exclusion Resolution be revised to reflect the current Board appointments.

It was moved by L. Kennedy, supported by J. Littmann, and passed by voice vote without dissent, that the Board of Trustees adopts the Exclusion Resolution as presented herein.

EXCLUSION RESOLUTION

WHEREAS, current Department of Defense Regulations contain a provision making it mandatory that the Senior Management Officials and Facility Security Officer meet the personnel clearance requirements established for a contractor facility security clearance; and

WHEREAS, said Department of Defense Regulations permit the exclusion from the personnel clearance requirements of certain members of the Board of Trustees and other officers, provided that this action is recorded in the corporate minutes.

NOW THEREFORE BE IT DECLARED that the President of the University, Vice President for Research, and Facility Security Officer at the present time do possess, or will be processed for, the required security clearance; and

BE IT RESOLVED that in the future, when any individual enters upon any duties as President of the University, Vice President for Research, and Facility Security Officer, such individual shall immediately make application for the required security clearance; and

BE IT RESOLVED AND DIRECTED that the following members of the Board of Trustees shall not require, shall not have, and can be effectively excluded from access to all **CLASSIFIED** information in the possession of the corporation and shall not affect adversely corporate policies or practices in the performance of classified contracts for the Department of Defense or the government contracting activities (User Agencies) of the National Industrial Security Program.

| NAME | TITLE |
|-----------------------|--------------------------|
| John U. Bacon | Board of Trustees Member |
| William L. Johnson | Board of Trustees Member |
| Linda D. Kennedy | Board of Trustees Member |
| Jeffrey C. Littmann | Board of Trustees Member |
| Steven M. Tomaszewski | Board of Trustees Member |
| | |

VI-C. Revision of Board Policy 12.2 Building, Property Rules and Regulations

It was moved by D. Sanders, supported by W. Johnson, and passed by voice vote without dissent, that the Board of Trustees adopt Board Policy 12.2 Building, Property Rules and Regulations as presented.

The amended section shall read as follows:

7. For reasons of health and sanitation, cats, dogs, birds, or other pets or animals are prohibited in any university structure. The exceptions to this are:
 - a. Animals owned or maintained by Michigan Technological University for educational or research purposes after receiving the approval of such facilities by the Provost and Senior Vice President for Academic Affairs.
 - b. Animals and aquariums kept in University housing facilities after receiving the approval from the Vice President for Student Affairs and Advancement.
 - c. Guide, leader, hearing or service animals trained to perform the work or task required by the user's disability when used by a qualified individual with a disability in compliance with State or Federal Law.

The added section shall read as follows:

8. Animals on any property owned, possessed, held or controlled by the Michigan Technological University Board of Trustees must be licensed (if appropriate), have a record of compliance with required vaccinations, be under the owners' control at all times, and not be allowed to leave behind any wastes.

The amended policy shall read as follows:

12.2 BUILDING AND PROPERTY RULES AND REGULATIONS

1. Smoking and all tobacco use is prohibited except where approval is granted by the Chief Financial Officer.
2. Use or possession of alcoholic beverages is prohibited, unless specifically approved in writing by the President, in accordance with the policy of the Board of Control on alcoholic beverages.
3. Solicitation, advertising, or sales on property owned or controlled by Michigan Technological University is prohibited unless authorized by the Chief Financial Officer. The exceptions to this are:
 - a. Advertising is permitted only on designated bulletin boards, as permitted by, or in other locations, as authorized by the manager of the building in which the advertising occurs.
 - b. Student organizations registered with the Vice President for Student Affairs and Advancement may sell tickets or conduct limited sales of goods, advertise, solicit, and use grounds as authorized by the manager of the building or grounds in or on which the activity occurs.
4. Activities or announcements at Michigan Technological University events shall have the prior written approval of the Chief Financial Officer or a delegated representative, with the following exceptions:
 - a. Announcements regarding the operation of a facility may be authorized by the manager of the building or grounds on which the announcements are made.
 - b. Announcements regarding traffic, health, or safety may be authorized by the Department of Public Safety and Police Services.
 - c. Announcements relating to the game or event in progress may be made over the public address system by the game announcer providing such announcements are appropriate to the situation and in good taste.
5. Distribution of handbills or other printed material is permitted only in designated areas.
6. Unruly behavior will not be tolerated and may be cause for expulsion from the facility.
7. For reasons of health and sanitation, cats, dogs, birds, or other pets or animals are prohibited in any university structure. The exceptions to this are:

- a. Animals owned or maintained by Michigan Technological University for educational or research purposes after receiving the approval of such facilities by the Provost and Senior Vice President for Academic Affairs.
 - b. Animals and aquariums kept in University housing facilities after receiving the approval from the Vice President for Student Affairs and Advancement.
 - c. Guide, leader, hearing or service animals trained to perform the work or task required by the user's disability when used by a qualified individual with a disability in compliance with State or Federal Law.
8. Animals on any property owned, possessed, held or controlled by the Michigan Technological University Board of Trustees must be licensed (if appropriate), have a record of compliance with required vaccinations, be under the owners' control at all times.
9. Bicycles unicycles, scooters, skateboards, roller or in-line skates, or any other human powered or electrically or mechanically powered wheeled or hovering recreational personal transport or mobility devices, except for personal assistive mobility devices used by a disabled person, shall not be brought into University buildings or ridden, stored, or parked in corridors, stairwells, laboratories, offices, classrooms, or buildings other than in those designated areas in student housing facilities.
10. This policy shall be administered in accordance with rules and procedures established by the Chief Financial Officer.

This Policy constitutes a Rule or Regulation pursuant to and enforceable (including the statutory maximum penalties) pursuant to Michigan Constitution 1963, Article 8, Section 6; MCL 19.141 et seq., MCL 390.363 et seq., or MCL 752.581 et seq. as applicable.

This policy supersedes Board of Trustees policy 12.2. Building and Property Rules and Regulations dated September 1, 2018.

VI-D. Revision of Board Ordinance No. 3 – Control of Pets

It is being recommended that this Ordinance be amended to comply with the above changes to Board Policy 12.2. It was moved by J. Littmann, supported by W. Johnson, and passed by voice vote without dissent, that the Board of Trustees amends Ordinance No. 3 – Control of Pets as presented herein.

The amended ordinance shall read as follows:

ORDINANCE NO. 3 – CONTROL OF PETS

A REGULATION REGARDING THE BRINGING OR KEEPING OF ANIMALS ON UNIVERSITY PROPERTY

No person shall bring, keep, or possess any animal, including but not limited to, dog, cat, bird, rat, mouse, monkey, gerbil, reptile, or rabbit, into any property owned, possessed, held, or controlled by the Michigan Technological University Board of Trustees in Houghton County except:

1. Guide, Leader, Hearing, or Service Dogs or Animals trained to perform the work or task required by the user's disability when used by a qualified individual with a disability or a trained handler, in compliance with State or Federal law;
2. Animals owned or possessed and maintained by Michigan Technological University for educational or research purposes; or
3. Specific exceptions authorized according to Board of Trustees Policy 12.2.

Animals on any property owned, possessed, held, or controlled by the Michigan Technological University Board of Trustees must be licensed (if appropriate), have a record of compliance with required vaccinations, be under the owners' control at all times, and not be allowed to leave behind any wastes.

This Ordinance shall become effective on its publication in The Daily Mining Gazette, Houghton, Michigan. Copies of the said Ordinance shall be made available at the Department of Public Safety and Police Services and at the office of the Secretary of the Board of Trustees of Michigan Technological University.

HISTORY

Prior:

03/20/81

01/28/82

01/28/83

09/18/92

08/03/2000 Changed Executive Vice President and Provost title to Provost and Senior Vice President for Academic and Student Affairs

05/04/2007 Replaced the reference to Guide Dogs with one including other Service Animals as defined by Michigan and Federal laws, regulations and guidelines, and changed Provost title.

Adopted: 08/07/14 Revised language in item #1.

03/01/19 Revised language item #1, #3, and added paragraph two.

VI-E. 2019-2020 Room and Board and Apartment Rental Rates

The item was tabled and will be discussed in May.

VI-F. Resolution Authorization for Approval of H-STEM Engineering and Health Technologies complex – Phase I Planning and Design


It was moved by D. Sanders, supported by W. Johnson, and passed by voice vote without dissent, that the Board of Trustees approves the expenditures to complete planning and design for the H-STEM Engineering and health Technologies Complex – Phase I at a cost not to exceed \$3,100,000.

VII. REPORTS

A. Undergraduate Student Government Report




Student Affairs Initiatives



A group of six students (three men and three women) are standing in a hallway. They are positioned in front of a large black banner with the 'USG' logo in yellow. The students are dressed in casual attire. The hallway has white walls and a tiled floor.

3


Student Affairs Initiatives



- Career Fair Recess Proposal
 - Proposal asks for a recess from classes for 2 hours during career fair
 - Asks Career Services to move our fall career fair forward two hours
 - Combined with minimal classes scheduled during dinner hours, ~ 4 hours class free
 - Proposal was voted on by USG Wednesday 2/27

4


Student Affairs Initiatives




- Student Evaluations
 - Concern brought to USG about who can see student evaluations
 - Recommendation to Senate Student Evaluations Committee:
 - Allow deans and department chairs access to student evaluations
 - Currently in committee with the Senate

5

Student Affairs Initiatives




- US-41 Expansion
 - MDOT currently planning on expanding US-41 down College Ave.
 - SA Committee chair asked Student Commissions if there could be a student info session
 - Student Commissions wanted to make sure that parties affected the most invited
 - MDOT hosted the info session, took place Thursday 2/28




1UP Conference



1UP Conference



- Invited to attend 1UP conference on Feb. 16th
- MTU Delegation asked to give presentation at this conference
 - Finding Your Why
- Takeaways:
 - We brought our student org funding knowledge
 - They brought ideas for collecting student feedback






Questions?



B. Graduate Student Government Report



Advocacy • Enrichment • Community




**Graduate Student Government
of Michigan Tech**

Apurva Baruah

March 01 2019

Board of Trustees
Michigan Technological University



Enrichment & Collaboration

| <u>Professional Development Workshops</u> | <u>Academic Seminars</u> |
|---|---------------------------------|
| Graduate Student Networking | Innovation and Entrepreneurship |
| Effective Negotiation Strategies | Grant Writing |
| Exploring career pathways & options | |

Graduate Research Colloquium (GRC)

- Oral and poster presentations - March 27 and 28.
- Graduate Awards Banquet - evening of March 28.
 - Awards presented - Graduate School awards, GSG awards and GRC presentation awards.



Enrichment & Collaboration

Travel Grant Program

- Spring 2019: In progress



Community

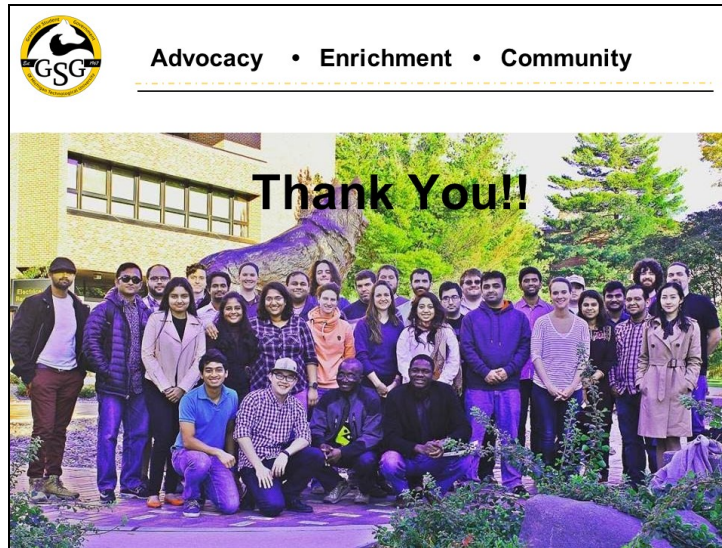
Competitive Laser Tag

Grad Movie Night



Advocacy

→ Transparency in Tech Forward task forces



C. Finance and Budget Report

Ms. Julie Seppala provided the Board with the following report.



Overview

- Condensed Statement of Net Position
- Condensed Statement of Revenues, Expenses & Changes in Net Position
- General and Current Fund Projected Revenues & Expenses



Balance Sheet Condensed Statement of Net Position as of December 31, 2018 (in thousands)

| | University | Tech Fund | Total |
|--|-------------------|-------------------|-------------------|
| Assets | | | |
| Current Assets | \$ 97,744 | \$ 8,047 | \$ 105,791 |
| Noncurrent Assets: | | | |
| Capital Assets, net | 236,528 | - | 236,528 |
| Other Noncurrent Assets | 56,884 | 143,361 | 200,245 |
| Total Assets | \$ 391,166 | \$ 151,408 | \$ 542,564 |
| Deferred Outflows of Resources | | | |
| Deferred Pension Amounts | \$ 6,524 | \$ - | \$ 6,524 |
| Total Deferred Outflows of Resources | \$ 6,524 | \$ - | \$ 6,524 |
| Liabilities | | | |
| Current Liabilities | \$ 101,105 | \$ 1,504 | \$ 102,609 |
| Noncurrent Liabilities | 177,378 | 5,270 | 182,648 |
| Total Liabilities | \$ 278,483 | \$ 6,774 | \$ 285,257 |
| Deferred Inflows of Resources | | | |
| Deferred Pension Amounts | \$ 2,583 | \$ - | \$ 2,583 |
| Total Deferred Inflows of Resources | \$ 2,583 | \$ - | \$ 2,583 |
| Net Position | | | |
| Investments in capital assets, net of related debt | \$ 144,334 | \$ - | \$ 144,334 |
| Other net position, restricted and unrestricted | (27,720) | 144,634 | 116,914 |
| Total Net Position | \$ 116,614 | \$ 144,634 | \$ 261,248 |



Income Statement Condensed Statement of Revenues, Expenses and Changes in Net Position As of December 31, 2018 (in thousands)

| | |
|---------------------------------|--------------------|
| Operating Revenues | |
| Student Tuition and fees | \$ 70,751 |
| Grants and Contracts | 23,420 |
| Educational Activities | 2,815 |
| Department Activities | 5,604 |
| Student Residence fees | 13,803 |
| Total Operating Revenues | \$ 116,393 |
| Operating Expenses | |
| Salaries & Wages | \$ 66,547 |
| Fringe Benefits | 21,017 |
| Student Financial Support | 33,026 |
| Supplies, Services & Other | 37,802 |
| Total Operating Expenses | \$ 158,392 |
| Non Operating Revenues | \$ 22,513 |
| Other Revenues | \$ 1,803 |
| Change in Net Position | \$ (17,683) |
| Net Position, Beginning | \$ 278,931 |
| Net Position, End | \$ 261,248 |

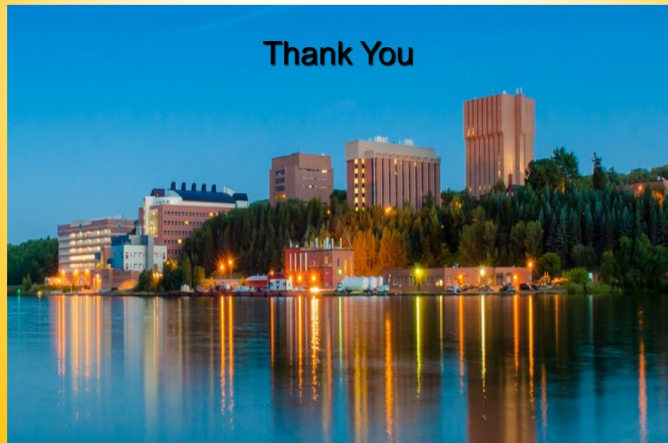


FY 2019 General Fund and Current Fund
Projected vs Actual Revenues, Expenses & Change in Net Assets
 (in thousands)

| | GENERAL FUND | | CURRENT FUND | |
|-----------------------------|--|----------------------------------|---------------------------------|----------------------------------|
| | Adjusted Budget <u>As of Dec 2018</u> | 2nd Quarter <u>Projection</u> | Original * <u>Projection</u> | 2nd Quarter <u>Projection</u> |
| Revenues | \$ 212,659 | \$ 210,360 | \$ 309,681 | \$ 307,977 |
| Expenses | \$ (212,659) | \$ (208,783) | \$ (308,220) | \$ (309,551) |
| Change in Net Assets | \$ - | \$ 1,577 | \$ 1,461 | \$ (1,574) |

* Original projection did not include estimates for investment income or pension expense.

Note: Current Fund includes General, Designated, Auxiliary, Retirement and Insurance, and Expendable Restricted Funds.



D. University Senate Report

Dr. Michael Mullins provided the Board with the following report.

Report from the University Senate - March 2019

Recent Senate Approved Proposals

- 2-19: Revision to Policy 104.1 Developing Academic Policy at MTU
- 4-19: Expanded Endowment for Graduate Support
- 8-19: Sabbatical Leave for Lecturer Track Faculty
- 10-19: Modification of Graduate Faculty Status in Faculty Handbook
- 11-19: Procedure for Review of Graduate Faculty Status
- 12-19: Establish a Policy on the Quality of Online Courses
- 14-19: Proposal to Shelve Certificate Program: Teaching English to Speakers of Other Languages (TESOL)
- 15-19: Proposal to Shelve Minor Program: Teaching English to Speakers of Other Languages (TESOL)
- 17-19: Proposal for a New Concentration in Data Analytics Within the B.S. in Accounting
- 26-19: Proposal for Graduate Certificate in Safety and Security of Autonomous Cyber-Physical Systems
- Seven Proposals Shelving Various Unused Academic Programs (Proposals 18-19, 19-19, 20-19, 21-19, 22-19, 23-19, 25-19)

Senate Proposals Pending

- 5-19: Revised Policy on Compensation of Senate Officers
- 10-19: Modification of Graduate Faculty Status in Faculty Handbook
- 11-19: Procedure for Review of Graduate Faculty Status
- 13-19: Proposal for Minor in Forest Biomaterials
- 16-19: Minor in Business
- 24-19: Proposal for a new Master's in Engineering Management
- 27-19: Proposal for Minor in Systems Engineering
- 28-19: Modify Class Start Times
- 29-19: Proposal to Reinstate (Unshelve) the Bachelor of Science Degree in Mining Engineering
- 30-19: Proposal for a Master of Science in Mechatronics
- 31-19: Chemistry Department Charter
- 32-19: Revision to Senate Policy 411.1: Graduate Certificates
- 33-19: Proposal for a Graduate Certificate in Mechatronics
- XX-19: Academic rank librarian appointments
- XX-19: Bi-Monthly Pay Periods
- XX-19: Enhance Retirement Benefits
- XX-19: Modification of TRIP Benefit

Senate FBC Total Compensation History Report Feb. 8, 2019

- University support for the current defined contribution retirement plan has decreased by over (41%) in the past decade, and now nearly all peer institutions provide more competitive retirement plans.
- Staff and faculty wage increases have not kept up with inflation.
- The trend over the past decade has been to shift the increasing cost of benefits to employees.
- To attract and retain talented faculty and staff in the increasingly challenging environment of higher education, a broader, more inclusive perspective on benefits is needed.
- Constitute a University Benefits Planning Committee, comprised of elected individuals from across the various University constituencies, charged with reviewing, evaluating, and recommending strategies for benefits planning (see upcoming FBC proposal).

Senate FBC
Total
Compensation
History Report
Feb. 8, 2019

Table 9. Medical benefit claims paid by Michigan Tech (fiscal year based on audited financial statements, net of employee premiums). (Source: University Senate Financial Overview, University Senate, Michigan Technological University, December 2018).

| Fiscal Year | Actual Expenditure | Expenditure in 2008 Dollars |
|-------------|--------------------|-----------------------------|
| 2008 | \$13,875,743 | \$13,875,743 |
| 2009 | \$13,980,633 | \$14,339,530 |
| 2010 | \$14,310,670 | \$14,302,470 |
| 2011 | \$14,748,919 | \$14,503,570 |
| 2012 | \$15,735,827 | \$15,034,420 |
| 2013 | \$14,377,991 | \$13,521,240 |
| 2014 | \$12,498,807 | \$11,571,370 |
| 2015 | \$14,475,538 | \$13,413,780 |
| 2016 | \$13,333,124 | \$12,188,150 |
| 2017 | \$14,691,242 | \$13,101,000 |

University costs related to medical benefit expenditures and total employee benefit costs to the University have declined over this period when adjusting for inflation, despite the continued rising cost of health care nationally (22.5% since 2001) and in spite of adding 12% more faculty and staff. This means that employees have absorbed the majority of rising health care costs.

Senate FBC
Total
Compensation
History Report
Feb. 8, 2019

Table 10. Total employee benefit costs to Michigan Tech. (Source: University Senate Financial Overview, University Senate, Michigan Technological University, December 2018).

| Fiscal Year | Payments for Benefits | Expenditure in 2008 Dollars |
|-------------|-----------------------|-----------------------------|
| 2008 | \$35,802,819 | \$35,802,819 |
| 2009 | \$35,859,251 | \$35,848,551 |
| 2010 | \$34,709,950 | \$33,811,795 |
| 2011 | \$35,124,359 | \$33,666,101 |
| 2012 | \$37,803,478 | \$35,204,191 |
| 2013 | \$34,740,933 | \$31,844,345 |
| 2014 | \$34,132,400 | \$30,800,231 |
| 2015 | \$36,256,688 | \$32,746,395 |
| 2016 | \$36,428,782 | \$32,456,176 |
| 2017 | \$38,852,584 | \$33,771,361 |

E. Faculty Presentation

Dr. Richelle Winkler provided the Board with the following report.

COMMUNITY-ENGAGED SCHOLARSHIP

- Integrates research-teaching-service
- Collaborate with communities as partners
- Applied: Facilitates decision-making in real contexts
- Informs basic/generalizable research
 - important questions/issues
- Extends boundaries of campus
- Students gain skills, practice, teamwork, civic-minded

Michigan
Technological
University

COMMUNITY SOLAR

Community investors own the solar panels (system), sell energy to the grid, and earn \$ in the form of credits on their bills.



BENEFITS & CHALLENGES

- Increased access: renters/site
- Increased affordability
- Money saving potential
- Lower emissions
- Local energy source & local control
- Community-building
- Easy- No individual installation
- Lack of institutional and policy support
- Lack of resources/expertise
- Complicated program design
- Community skepticism/lack knowledge
- Low participation
- Affordability



THE PROBLEM

1. L'Anse & Baraga interest in community solar, but where to start?
2. Is it technically feasible here?
3. Would community support it?
4. Would enough people be able to afford to buy in and be interested enough to do it?
5. How many panels should be included?
6. How should the program be designed?

Few resources (rural).
Low-to-Moderate Income households

RESEARCH & ENGAGEMENT

Do people in L'Anse & Baraga want community solar, and if so, how should it be designed to meet community interests and needs?

- 15 key informant interviews
- 3 community meetings
- 2 community surveys: mail and door-to-door
- Financial analysis: NPV
- Press features & presentations

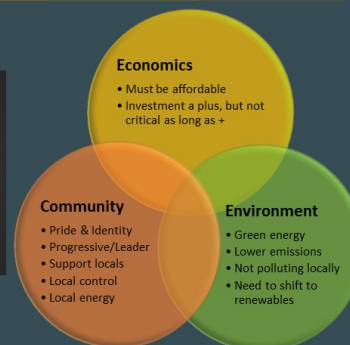


FINDINGS

- Yes- people are interested!



- Concerns, but can design around them



MTU INVOLVEMENT

- Alternative Energy Enterprise - Solar Team - Spring/Summer 2017. Technical Feasibility Report.
- SS 3990 Topics Course: Community Solar Applications. Fall 2017. Social & Economic Feasibility in L'Anse
- 2018/2019 Cin/Optic media team documentary
- Prehoda - PhD Research & Dissertation
- Funded by Michigan Department of Agriculture and Rural Development; American Public Power Association; & U.S. Dept of Energy Sunshot Prize: Solar in Your Community Challenge



MAKING IT REAL

- L'Anse put out RFP. Currently pre-selling

| L'ANSE COMMUNITY SOLAR SUBSCRIPTION OPTIONS AND SAVINGS ESTIMATES* | | | | | |
|---|-----------------|----------------------------|-----------------|----------------------|------------------------|
| Payment Plans (per panel) | Upfront Payment | Monthly Payment | Monthly Savings | Net Lifetime Savings | Payback Length (years) |
| Long Term Payment Plan** | \$ — | \$ 2.50/month for 25 years | \$ 3 | \$ 150 | 21 |
| Short Term Payment Plan | \$ 250 | \$ 2.00/month for 10 years | \$ 3 | \$ 410 | 14 |
| Upfront Payment Plan | \$ 450 | \$ — | \$ 3 | \$ 450 | 13 |

* Savings will vary depending on actual system performance.
** Income qualifications apply to this payment plan.



OUTPUTS

- Journal articles/book chapters (2 published/another in prep)
- 5 professional presentations
- 2 video documentaries (in prep- April 2019)
- Guidebook: A Guidebook to Increasing Low-to-Moderate Income Households' Access to the Benefits of Rural Public Power Community Solar Programs (April 2019)
- Vickers: Senior Design Report (Summer 2017)
- SS 3990 Community Report (Dec 2017)
- Prehoda dissertation (Spring 2019)



OUTCOMES

- Students prepared with practical experience in emerging industry
- L'Anse (& Baraga) community members access affordable, renewable, local energy
- MTU engagement with local communities
- MTU reputation as a leader in transdisciplinary energy work



VIII. INFORMATIONAL ITEMS

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

IX. OTHER BUSINESS

There was no other business at this time.

X. PUBLIC COMMENTS

There were no public comments at this time.

XI. ADJOURNMENT

It was moved by W. Johnson, supported by J. Littmann, and passed by voice vote without dissent, that the meeting be adjourned.

Secretary of the Board of Trustees

Chair, Board of Trustees