

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 May 3, 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 3<sup>rd</sup> day of May, 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 (via conference phone)  
S. M. Tomaszewski  
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**

It was moved by W. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent, that the agenda of the formal session of May 3, 2019, as distributed to the Board, be approved.

## **II. OPENING REMARKS**

### **A. Chair's Comments**

Good morning and thank you for joining us for Michigan Technological University's Board of Trustees meeting. Today we have a very full agenda addressing both standing and new agenda items presented before the board today.

As we conclude the 2019 Spring semester at Michigan Tech, the board would like to recognize our graduates, and their families, who will receive diplomas at tomorrow's commencement exercises. On behalf of the board, please accept our sincerest congratulations and success for the future.

For most, graduation symbolizes accomplishment and transition – so it's fortuitous that we will recognize our faculty today for their diligence -- particularly those who have earned a promotion and/or tenure.

Today, the Board will also consider the approval of several new degree programs and the transitioning of academic units.

The actions before the board today depict the forward momentum of a healthy and vibrant university.

We are particularly grateful to everyone who participated in the Tech Forward conversations during the Fall and Spring semesters. I had the opportunity to view the final presentation online last week and was quite impressed. The energy and excitement in the room was palpable. I would especially like to thank the following individuals for their leadership of each of the nine initiatives: Andrew Burton, Dan Fuhrmann, Caryn Heldt, Lorelle Meadows, Jeff Naber, Gregory Odegard, Kellie Raffaelli, Jennifer Daryl Slack, David Shonnard and Zhenlin Wang.

The amount of work you've accomplished over the last seven months is remarkable; especially in light of their regular job responsibilities

I would also like to thank our university senate leadership, members of the president's council and the administrative leadership team for your hard work during this year of transition. As a board, we appreciate the extra effort you've invested to position Michigan Tech as a leader in the fourth industrial revolution and are confident in this future direction. Thank you.

I would now like to invite President Koubek to provide comments.

## **B. President's Comments**

Chair, Members of the Board. I am delighted to be with you all on the eve of our Spring 2019 graduation exercises. Graduation at Michigan Technological University represents joy, triumph and perseverance. And tomorrow, we will celebrate the occasion with 1,000 graduates and their families. The graduation ceremony itself symbolizes the hard work and dedication of everyone involved.

But -- it is also worth telling the individual stories of success -- like that of Joseph Chen, a graduating senior, who spent most of his spare time here at Tech working on the Oculus satellite project. In June, after more than 10 years of work by both current and former students enrolled in the Aerospace Enterprise program, Oculus will be the first ever micro satellite deployed from the Falcon Heavy rocket. Or the work of assistant professor of civil and environmental engineering, Dr. Zhang -- who recently received the NSF CAREER award. Nor does graduation fully capture the efforts of our campus to reimagine the future of Michigan Tech.

As you know, over the last several months our campus has been working extremely hard to develop a set of initiatives that position Michigan Tech as a thought leader in the fourth industrial revolution. Today, with the Board's concurrence, we will take the necessary actions to establish a new college of computing at Michigan Technological University. This will be the first college of its kind in Michigan. But most importantly -- it marks another inflection point in the history of Michigan Tech -- as we advance to meet the needs of our new technology driven economy while reinvesting in our core strengths as well.

Concurrently, we have engaged in a process to reimagine education at Michigan Tech for the 21<sup>st</sup> century. This approach is critical because we are no longer training students for the jobs of today, but equipping them with the skills and competencies to be successful in the rapidly changing economic environment. I would like to thank our Dean of the Pavlis Honors College, Lorelle Meadows, for her remarkable vision and leadership on campus to press this forward.

I have highlighted only two of the nine initiatives that evolved as a result of the Tech Forward conversations. The others are equally as transformative. All of this to say, it is truly an exciting time for Michigan Tech and the future of Michigan.

On another note, I am pleased to introduce Susan Kerry to the Board as Michigan Tech's chief financial officer and vice president for administration. Sue will start June 1 and brings 20 years of higher education experience and a bachelor's degree from Northwestern with an emphasis on business and higher education administration and a master's from the University of Michigan.

I would also like to say a special thanks to our colleague Dave Reed who has served as the interim CFO and Vice President for Research for the past 12 months.

Also, I would like to acknowledge my colleague Les Cook who will be assuming the post of Chancellor at Montana Tech July 1st. Les has served our institution in many capacities over the past 14 years and most recently is our Vice President for Strategic Partnerships. We as a campus are grateful to Les for his 14 years of service and wish him the very best for the next phase of his career.

In conclusion -- I wish to, again, extend my sincerest congratulations to all of our graduates and my heartfelt thanks to the Michigan Tech faculty, staff and board of trustees. Tomorrow's ceremony represents our collective success. Thank you.

### **III. COMMITTEE REPORTS**

#### **A. Academic Affairs Committee Report**

Ms. Linda Kennedy reported that the Academic Affairs Committee met on May 2 to discuss and evaluate the proposals on today's agenda including several faculty promotions, new degree programs, and the granting of emeritus status to retired faculty, and changes to board policy to recognize librarians and archivists as non-tenure track faculty. We are pleased to recommend all of these actions to the full board.

The committee also met with Dean of Students/Associate Provost, Dr. Bonnie Gorman and Dean of the College of Sciences and Arts, Dr. David Hemmer, to hear more details about the initiatives driven to support student success to improve first-year retention and six-year graduation rates. Student success is why we are all here.

Finally, the committee heard from the Undergraduate Student Government, Graduate Student Government and University Senate to gather their input and contributions for helping students succeed and we wish to thank them for their contributions and enthusiasm for shared governance.

#### **Provost's Report**

# Provost's Report

Jackie Huntoon

May 3, 2019



**Michigan Tech**

## Tenure, Promotion, and Reappointment

### **3** Promotions from Lecturer to Senior Lecturer

- Andrew Galerneau – Chemistry
- Jonathan Leinonen – School of Business & Economics
- Leo Ureel – Computer Science

### **3** Promotions from Senior Lecturer to Principal Lecturer

- Amy Hamlin – Engineering Fundamentals
- Amber Kemppainen – Engineering Fundamentals
- Norma Veurink – Engineering Fundamentals



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## Tenure and Promotion

### **21** Recommendations for Promotions from **Assistant Professor without Tenure to Associate Professor with Tenure**

### **1** Recommendation for **Associate Professor without Tenure to Associate Professor with Tenure**

### **7** Recommendations for Promotions from **Associate Professor with Tenure to Full Professor with Tenure**



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## Kudos to Faculty Considered for Tenure and/or Promotion

### From Penn State:

*It appears to me that Dr. X's varied background makes them highly and uniquely qualified to meet the diverse needs of the students at Michigan Technological University. They are an asset to Michigan Tech and to our profession and have a bright future as a leader and innovator in our field ."*

### From Michigan State University:

*"... is a strong researcher with a passion for using their knowledge and skills to improve the world – through their research, service, and outreach activities."*

### From The Ohio State University:

*"...is already regarded one of the world's authorities on the..."*



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## Kudos Continued

### From Yale:

*"...has been recognized as a next generation leader of our field who has a very distinguishable research identity."*

### From University of California:

*"MTU is lucky to count among its faculty such a brilliant professor and dedicated teacher."*

### From University of Massachusetts:

*"...is indeed the very symbolic character for creative and innovative research among the young faculty in the nation as well as the world."*



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## Kudos Continued

### From Arizona State University:

*"I feel that Dr. X is likely to serve as a role model for women in engineering."*

### From University of South Dakota:

*"Both the quantity of their scholarship and the quality indicate a level of scholarly productivity that exceeds any standard for tenure I have personally experienced in my career."*

### From Virginia Tech:

*"Their rate of journal article productivity continues to increase at a phenomenal rate, clearly placing them amongst the very top researchers in their field of study."*



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## School of Technology Future Plans

- Computer Network and System Administration (BS), Cybersecurity Minor (TCYM), Medical Informatics (MS)

### *Moving to the new computing unit*

- Construction Management (BS)

### *Jointly managed through the School of Business & Economics & the Department of Civil & Environmental Engineering*

- Mechanical Engineering Technology (BS), Minor in Manufacturing Systems (TMS) plus the School of Technology Machine Shop

### *Moving to the College of Engineering as a new department with planned name: Manufacturing and Mechanical Engineering Technology (name to be finalized)*

- Electrical Engineering Technology (BS), Minor in Data Acquisition and Industrial Control (TDAC), and proposed Master of Science in Mechatronics

### *Moving to the new computing unit*

- Surveying Engineering (BS), Surveying Minor (TSUM), Integrated Geospatial Technology (MS)

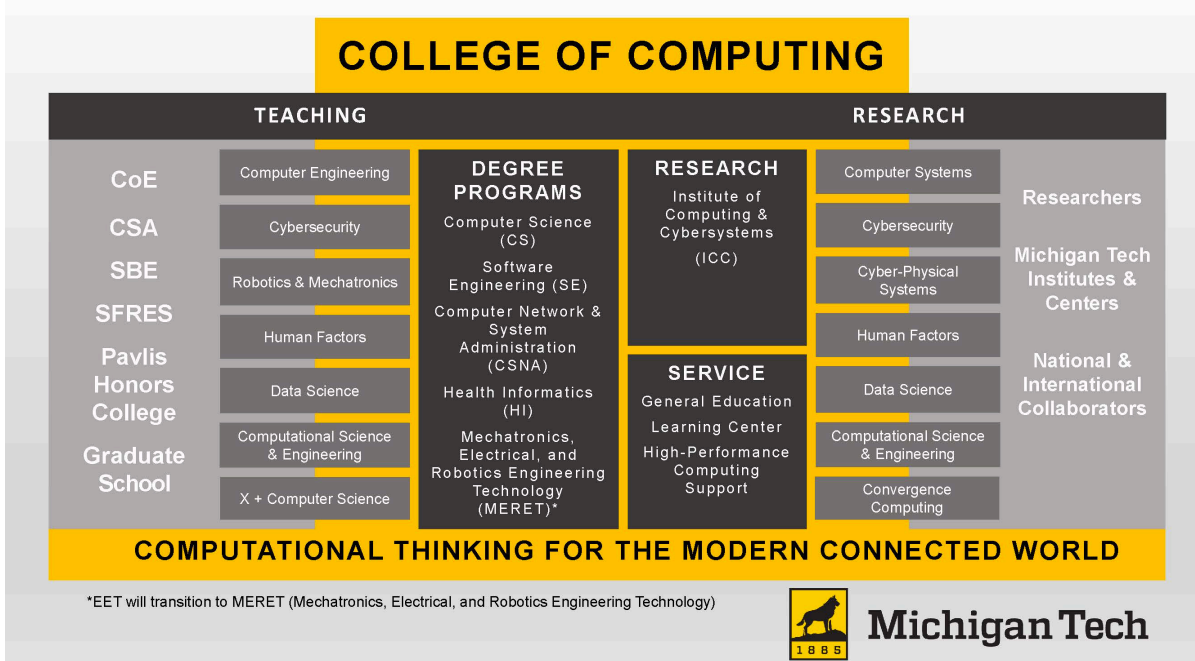
### *Moving to the Department of Civil & Environmental Engineering*

Transitions to be complete by July 1, 2019



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## Tech Forward

### Develop

solutions to natural resource, water, and energy problems.

### Build

innovative autonomous and intelligent systems.

### Create

technological solutions to enhance human health and quality of life.

### Prepare

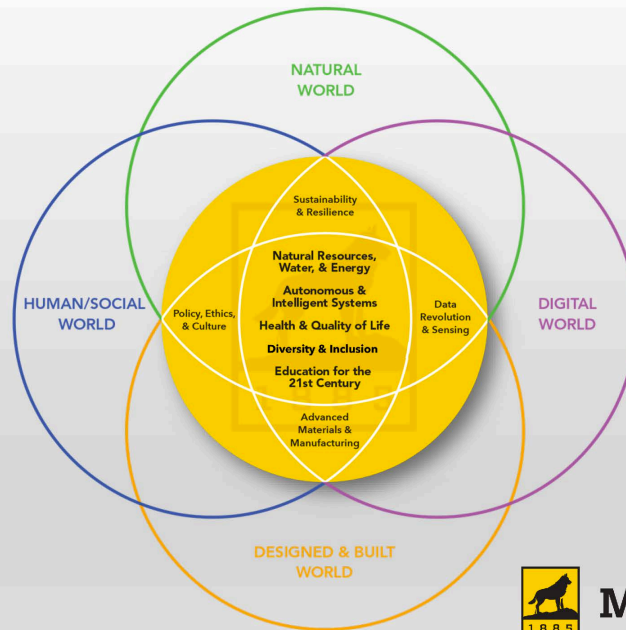
culturally receptive leaders for a diverse world.

### Redefine

education for the next generation.



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## Preparing Students – Skills and Qualities

- Communication
- Computational Thinking
- Critical Thinking
- Leadership
- Networking
- Systems Thinking
- Teaming
- Adaptable
- Comfortable with Ambiguity
- Confident
- Good Community/Global Citizen
- Hands-on/Can-do Approach
- Resilient/Tenacious
- Self-Motivated
- Self-Aware
- Willing to take Responsible Risks



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## Preparing Students - Education

- Early real-world experiences
- Exposure to a variety of careers
- Focus on sustainability
- Interdisciplinary



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## Tech Forward Initiatives

- Sustainability and Resilience: David Shonnard
- Data Revolution and Sensing: Dan Fuhrmann
- Advanced Materials and Manufacturing: Greg Odegard
- Policy, Ethics, and Culture: Jennifer Daryl Slack
- Natural Resources, Water, and Energy: Andrew Burton
- Autonomous and Intelligent Systems: Jeff Naber
- Health and Quality of Life: Caryn Heldt
- Education for the 21st Century: Lorelle Meadows
- Diversity and Inclusion: Kellie Raffaelli



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Thank you



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## Student Affairs Report

# Our Accomplishments Our Community

Board of Trustees  
May 3, 2019

**Bonnie Gorman**  
*Dean of Students and  
Associate Provost*





## Commencement Speaker Finalists



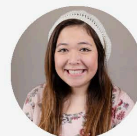
Dominique Aleo  
Biological Sciences



Nick Olson  
Chemical Engineering



Monica Brechting  
Mechanical Engineering



Eva Heydrich  
Chemical Engineering



Liesl Flannery  
Chemical Engineering





## Graduate Student Colloquium



**Karina Eyre**  
Civil and Environmental Engineering  
Graduate Student Leader



**Miles Penhale**  
Mechanical Engineering  
Graduate Student Scholar

85  
participants

32  
scholarship

35  
teaching

3  
service

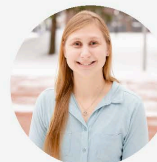
## Undergraduate Research Symposium



**Ceily Fessel Doan**  
Environmental Engineering  
*Comparison of Nannochloropsis and Chlorella Vulgaris Algae to Energy Efficiency in the Rio Grande Watershed*



**Jacob LeBarre**  
Chemical Engineering  
*Improvement of Virus Purification Method using Cation Exchange Chromatography*



**Kaylee Meyers**  
Biomedical Engineering  
*Nitric Oxide Releasing Composite Hydrogels for Tendon Repair Via Matrix Metalloproteinase Controlled Pathways*

61  
participants



## Student Leadership Awards



**Jack Hendrick**  
Biomedical Engineering  
*President's Award for Leadership*



**Tessa Steenwinkel**  
Biological Sciences  
*Provost's Award for Scholarship*



**Elise Cheney-Makens**  
Biochemistry and Molecular Biology  
*Dean of Students Award for Service*



**Ron Kyllonen**  
Mechanical Engineering  
*Percy Julian Award*

227  
nominations

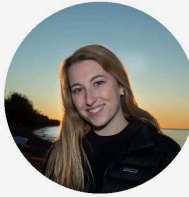
24  
department  
scholars



## Fraternity and Sorority Life Awards



**Trevor Peffley**  
Electrical Engineering  
*Fraternity Man of the Year*  
*Sigma Rho*



**Greta Colford**  
Mechanical Engineering  
*Sorority Woman of the Year*  
*Alpha Gamma Delta*

11,000  
statue hours

12,000  
hours of  
service

\$28,000  
donated



## Staff and Faculty Recognition



**Jessie Stapleton**  
Director of Student Activities,  
*National Association of Campus Activities (NACA) 2019 Outstanding Advisor  
for the Northern Plains Region*



**Tammy Monette**  
Custodian, Wadsworth Hall  
*Excellence in Service from the American College Personnel Association*



**Joel Isaacson**  
Associate Athletic Director  
*Clair M Donovan Award for Service*



**Melissa Baird**  
Assistant Professor, Social Sciences  
*Graduate School Mentor*



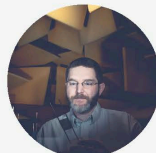
## Teaching Excellence Award Finalists



**Ann Maclean**  
SFRES



**Andrew Burton**  
SFRES



**Andrew Barnard**  
COE-MEEM



**Molly Cavaleri**  
SFRES



**Lisa Johnson de Gordillo**  
CSA-VPA



**Sheila Milligan**  
SBE



**Jeffrey Wall**  
SBE



**Heather Knewton**  
SBE



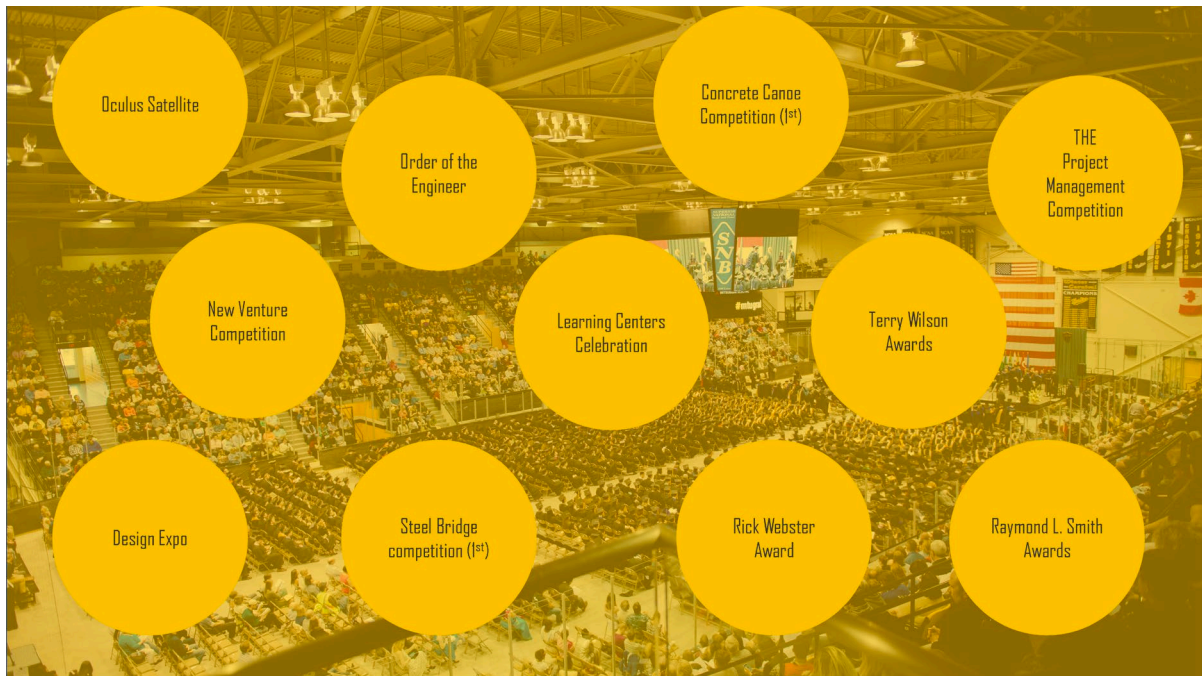
**Christopher Webster**  
SFRES



**Thomas Werner**  
CSA-BIO







## **B. Audit and Finance Committee Report**

Mr. Steven Tomszewski reported that the Audit and Finance Committee has met twice since the last board meeting. The Committee reviewed the financial position and outlook for 2019 which included the third quarter financial results, the projections for the general fund and the cash position for the University.

The committee reviewed the budget planning parameters utilized to build the Fiscal Year 2020 General Fund Operating Budget. There has been considerable planning and discussions over the last six months in the development of the budget which included long-term planning target strategies.

The recommendation for the passage of the budget will authorize the Administration to revise the budget without increasing resident undergraduate tuition and room and board and apartment rental rates, in order to reflect any changes in State Appropriations and/or tuition cap while maintaining a balanced budget. The committee supports this recommendation.

The committee chair recognized the extraordinary efforts of both the administration and the faculty in reducing structural costs. These efforts continue to support the focus of tuition affordability. PayScale ranks Michigan Tech as a top 50 school nationally for the best return on investment and the 2020 budget and tuition rates continue to support this recognition. Thank you.

Lastly, the committee supports the consent agenda recommendation to approve Andrews Hooper and Pavlik as the University's External Auditors for the year ended June 30, 2019

### **C. Leadership Committee**

Mr. William Johnson reported that the Leadership Committee met on May 2. Items discussed:

- President Koubek reviewed his agreed upon strategic goals and objectives for FY19; nine of the goals have been completed and the remaining three are expected to be completed before June 30.
- Reviewed FY20 strategic goals/objectives which include five different areas with 15 draft goals/objectives. These will be finalized at the August meeting.
- The Board Secretary reviewed annual salary survey information.
- Reviewed the August schedule which includes Presidential salary/bonus/FY20 goals.
- The Leadership Committee Charter will implement at least one significant change.
- Developed recommendations for election of Board Chair and Vice Chair which will be discussed later in formal session.

## **IV. CONSENT AGENDA**

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

### **A. Approval of Minutes**

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

### **B. Gifts**

It was moved by W. Johnson, supported by J. Bacon, 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 March 31, 2019  
 Compared to Prior Year  
 (in millions)

Source	FY19 YTD Total	FY18 YTD Total	FY 18 Total
Individuals - Major Gifts (25K and up)	5.97	6.57	9.18
Realized Planned Gifts (Unanticipated)	1.10	.50	.87
Individuals - non-Major Gifts	1.60	1.60	1.90
Full Value New Planned Gift Commitments	13.00	7.22	12.14
Annual Fund	2.24	2.33	2.86
Corporate Sponsored Research	10.99	8.12	10.72
Corporations	1.27	1.18	2.14
Foundations & Other Organizations	0.24	0.16	0.19
Gifts-In-Kind	1.13	0.16	0.16
<b>Grand Total</b>	<b>37.54</b>	<b>27.84</b>	<b>40.16</b>

- 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

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

It was moved by W. Johnson, supported by J. Bacon, 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**  
(February 10, 2019 – April 13, 2019)

**RETIRED**

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Dube, Kelly	Staff	Financial Services & Operations	Senior Accountant	06/05/1989	03/22/2019
Gaddis, Michael	Staff	Human Resources	Administrative Aide 7	08/07/2006	03/31/2019
Quinn, Anita	Staff	Provost Senior Vice President for Academic Affairs	Policy & Planning Analyst	04/10/1985	03/01/2019
Rothenberger, Jane	Staff	Residential Dining	Food Service Helper	12/22/2003	04/05/2019

**OFF-PAYROLL**

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Anderson, Niina	Staff	Residential Dining	Food Service Helper	08/27/2018	02/13/2019
Babcock, Heather	Staff	Student Affairs Information Systems	Business Systems Analyst	03/30/2015	03/15/2019
Banach, David	Staff	Michigan Tech Research Institute (MTRI)	Research Scientist I - Geo Research Scientist	09/12/2011	04/05/2019
Codere, Rebecca	Staff	Alumni Engagement	Administrative Aide 8	09/25/2017	04/05/2019
Hill, Zachary	Staff	General Athletics	Director of Hockey Operations	08/13/2018	03/15/2019
Hoffman, Angela	Staff	Waino Wahtera Center Student Success	Assistant Director, Orientation Programs	11/09/2015	03/02/2019
Klutts, Judy	Staff	Residential Dining	Manager, Dining Services	11/18/1997	03/14/2019
Sever, Joseph	Staff	Facilities Management	Custodian	03/03/2015	03/26/2019
Staehler, Allyse	Staff	Van Pelt and Opie Library	Library Assistant 4	07/16/2018	03/22/2019
Stefano, Christopher	Staff	AE Seaman Mineral Museum	Associate Curator	10/01/2013	04/01/2019
Thompson, Joseph	Staff	Pavlis Honors College	Associate Director, Industry Engagement	06/10/2015	03/08/2019
Williams, Sarah	Staff	Advancement	Advancement & Alumni Marketing Specialist	01/30/2017	01/24/2019

**D. Approval of External Auditor**

It was moved by W. Johnson, supported by J. Bacon, and passed by voice vote without dissent, that the Board of Trustees authorizes the Treasurer to engage the certified public accounting firm Andrews Hooper Pavlik, PLC, to conduct the following audits for the fiscal year ending June 30, 2019:

1. The annual examination of the University's Financial Statements and Supplemental Information (all funds).
2. The annual examination of federal awards and federal student financial assistance programs, including Pell Grants, Education Opportunity Grants, Perkins Loans, College Work Study Programs and Part B Loans.
3. The financial audit of the University's intercollegiate athletics programs, as mandated by the National Collegiate Athletics Association.
4. The subsequent event review procedure for the State of Michigan Comprehensive Annual Financial Report.

## **V. ACTION/DISCUSSION ITEMS**

### **A. Employee Recognition**

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

- Sheri Thomas – 35 years of service

### **B. Emeritus Rank**

It was moved by L. Kennedy, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees approves the following emeritus appointments:

- Dr. John Beard, Professor Emeritus  
Mechanical Engineering-Engineering Mechanics
- Dr. David Hand, Professor Emeritus  
Civil and Environmental Engineering
- Dr. David Nitz, Professor Emeritus  
Physics

### **C. Appointments, Not Involving Tenure and/or Promotion**

It was moved by J. Littmann, supported by R. Jacquart, and passed by voice vote without dissent that the Board of Trustees approves the appointments listed herein. The appointments do not include tenure or promotion.

**Appointment without Tenure for Two Years  
Effective August 19, 2019**

Gordon Paterson	Assistant Professor	Biological Sciences
Stephen Techtmann	Assistant Professor	Biological Sciences
Christo Christov	Associate Professor	Chemistry
Kathryn Perrine	Assistant Professor	Chemistry
Kevin Trewartha	Assistant Professor	Cognitive & Learning Sciences
Bo Chen	Assistant Professor	Computer Science
Jianhui Yue	Assistant Professor	Computer Science
Oren Abeles	Assistant Professor	Humanities
Sarah Bell	Assistant Professor	Humanities
Lesley Alexandra Morrison	Assistant Professor	Humanities
Xiao Zhang	Assistant Professor	Mathematical Sciences
Issei Nakamura	Assistant Professor	Physics
Angela Carter	Assistant Professor	Social Sciences
Kent Cyr	Assistant Professor	Visual & Performing Arts
Sangyoon Han	Assistant Professor	Biomedical Engineering
Smitha Rao	Assistant Professor	Biomedical Engineering
Daniel Dowden	Assistant Professor	Civil & Environmental Engineering
Stephen Morse	Assistant Professor	Civil & Environmental Engineering
Jeremy Bos	Assistant Professor	Electrical & Computer Engineering
Roohollah Askari	Assistant Professor	Geological & Mining Eng. & Sciences
Erik Herbert	Assistant Professor	Materials Science & Engineering
Parisa Abadi	Assistant Professor	Mechanical Eng. – Eng. Mechanics
Hassan Masoud	Assistant Professor	Mechanical Eng. – Eng. Mechanics

**Appointment without Tenure for Two Years (continued)  
Effective August 19, 2019**

Peng Guo	Assistant Professor	School of Business & Economics
Ulrich Schmelzle	Assistant Professor	School of Business & Economics
Jeffrey Wall	Assistant Professor	School of Business & Economics
Fengjing Liu	Associate Professor	School of Forest Res. & Env. Science

**Appointment without Tenure for One Year  
Effective August 19, 2019**

Marina Tanasova	Assistant Professor	Chemistry
Latika Gupta	Assistant Professor	School of Business & Economics

**D. Appointments, Involving Tenure and/or Promotion**

It was moved by L. Kennedy, supported by R. Jacquart, and passed by voice vote without dissent that the Board of Trustees approves the appointments involving tenure and/or promotion listed herein.

**Promotion from Assistant Professor without Tenure to  
Associate Professor with Tenure**

John Durocher	Biological Sciences
Ebenezer Tumban	Biological Sciences
Kelly Steelman	Cognitive & Learning Science
Keith Vertanen	Computer Science
Abraham Romney	Humanities
Marcelino Viera-Ramos	Humanities
Steven Elmer	Kinesiology & Integrated Physiology
Zhiying Shan	Kinesiology & Integrated Physiology
William Keith	Mathematical Sciences
Melissa Baird	Social Sciences
Mark Rouleau	Social Sciences
Michael Christianson	Visual & Performing Arts
Zhen Liu	Civil & Environmental Engineering
Daisuke Minakata	Civil & Environmental Engineering
Kuilin Zhang	Civil & Environmental Engineering
Pengfei Xue	Civil & Environmental Engineering
Lucia Gauchia	Electrical & Computer Engineering
Zhaohui Wang	Electrical & Computer Engineering
Andrew Barnard	Mechanical Eng. – Eng. Mechanics
Emanuel Marcos Castro-Oliveira	School of Business & Economics
Scott Wagner	School of Technology

**E. Promotions**

It was moved by L Kennedy, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees approves the promotions listed herein.

**Promotion from Associate Professor without Tenure to  
Associate Professor with Tenure**

Youngchul Ra	Mechanical Eng. – Eng. Mechanics
--------------	----------------------------------

**Promotion from Associate Professor with Tenure to  
Professor with Tenure**

Melissa Keranen	Mathematical Sciences
Zhengfu Xu	Mathematical Sciences
Qingli Dai	Civil & Environmental Engineering
Paul Sanders	Materials Science & Engineering
Robert Hutchinson	School of Business & Economics
Audrey Mayer	School of Forest Resources & Env. Sci.
Yu Cai	School of Technology

**F. Revision to Board Policy 6.1 Faculty Definitions**

It was moved by W. Johnson, supported by J. Littmann, and passed by voice vote without dissent that the Board of Trustees amends Board Policy 6.1 Faculty Definitions as presented.

The amended policy shall read as follows:

## **6.1 Faculty Definitions**

The faculty comprises two groups: "tenured and tenure-track faculty" and "non-tenure-track faculty". The "tenured and tenure-track faculty" comprises individuals holding the rank of assistant professor, associate professor, or professor. The "non-tenure-track faculty" comprises individuals holding the rank of instructor, lecturer, senior lecturer, principal lecturer, librarian, senior librarian, principal librarian, archivist, senior archivist, principal archivist, professor of practice, visiting (assistant/associate/professor) faculty, adjunct (professor, associate professor, assistant professor, instructor, lecturer, senior lecturer, principal lecturer, librarian, senior librarian, principal librarian, archivist, senior archivist, principal archivist, professor of practice) faculty, affiliated (professor, associate professor, assistant professor, instructor, lecturer, senior lecturer, principal lecturer, librarian, senior librarian, principal librarian, archivist, senior archivist, principal archivist, professor of practice, research assistant/associate/professor, emeritus) faculty, research (assistant/associate/professor) faculty, ROTC faculty, or emeritus faculty.

"Learned professions" shall mean those professions (or members thereof) skilled in a calling or vocation requiring advanced knowledge as evidenced by a specific degree from a recognized College or University.

"Engaged in teaching" shall be interpreted to mean that the person is to teach during each academic semester of the normal academic year.

"Appointed by the Dean of the Graduate School" shall imply appointment to the Graduate Faculty as defined by the Graduate Council. Such appointment is limited to those with advanced degrees or equivalent experience, as well as interest and experience in research or teaching on the graduate level.

"Equivalent experience" shall be determined by the President of the University.

### **IV-B-1. The Faculty of the University**

The President shall hire the faculty of the University which shall consist of the Undergraduate and Graduate Faculties.

Each faculty member shall qualify for one or more of the following defined faculties.

1. The Undergraduate Faculty consists of the members of the learned professions who are engaged in teaching for a degree in one of the learned professions and/or direct supervision thereof.
2. The Graduate Faculty consists of members of the faculty who have been appointed by the Dean of the Graduate School to be members of the Graduate Faculty.



Administrative officials of the University and members of staff, may be accorded membership of the faculties and such membership shall be within a specific department or school of the University.

This policy shall be administered in accordance with procedures recommended by the Senate and approved by the Provost and Senior Vice President for Academic Affairs.

#### **G. Proposal for a Master's in Engineering Management Degree**

The faculty of the School of Business and Economics at Michigan Technological University seek to establish a Master's in Engineering Management (MEM) degree.

The proposal has been approved by the University Senate and the University administration. The University is seeking Board of Trustees approval to advance the proposal to the State Academic Affairs Officers.

It was moved by W. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees approves the Master's in Engineering Management degree.

#### **H. Proposal for a Master's of Science in Mechatronics Degree**

The faculty of the School of Technology at Michigan Technological University seek to establish a Master's of Science (MS) degree program in Mechatronics. This interdisciplinary degree is an outcome of a joint effort between the Electrical Engineering Technology (EET) and Mechanical Engineering Technology (MET) programs in the School of Technology, as well as the Departments of Electrical and Computer Engineering (ECE) and Mechanical Engineering – Engineering Mechanics (ME-EM) in the College of Engineering.

The proposal has been approved by the University Senate and the University administration. The University is seeking Board of Trustees approval to advance the proposal to the State Academic Affairs Officers.

It was moved by W. Johnson, supported by J. Littmann, and passed by voice vote without dissent that the Board of Trustees approves the Master's of Science in Mechatronics degree.

#### **I. Proposal for a Bachelor's of Science in Cybersecurity Degree**

The faculty of the School of Technology at Michigan Technological University seek to establish a Bachelor's of Science (BS) degree program in Cybersecurity. This interdisciplinary degree is a joint effort of the Computer Network and System Administration (CNSA) Program in the School of Technology, the Department of Computer Science (CS) in the College of Sciences and Arts, and the Department of Electrical and Computer Engineering (ECE) in the College of Engineering.

The proposal has been approved by the University Senate and the University administration. The University is seeking Board of Trustees approval to advance the proposal to the State Academic Affairs Officers.

It was moved by W. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees approves the Bachelor's of Science in Cybersecurity degree.

#### **J. Approval of Department of Manufacturing and Mechanical Engineering Technology**

As part of University transition that includes the dissolution of the School of Technology and establishment of a College of Computing, the Office of the Provost and Senior Vice President for Academic Affairs recommends that resources associated with the Bachelor of Science in Mechanical Engineering Technology program and the Minor in Manufacturing Systems (including the machine shop that is currently housed within the School of Technology) move into a new department to be named Manufacturing and Mechanical Engineering Technology that will be housed within the College of Engineering. Approval of the Board of Trustees is required to form a new department at Michigan Technological University.

It was moved by W. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees:

- Supports the dissolution of the School of Technology;
- Supports the formation of the College of Computing;
- Approves the formation of a new Department of Manufacturing and Mechanical Engineering Technology within the College of Engineering.

#### **K. FY20 General Fund Operating Budget**

The general fund budget was developed based on assumptions regarding tuition and state appropriations. However, when the State budget is approved by the Legislature, if there are changes from these assumptions, the Administration is requesting that the Board allow them the flexibility to revise the budget to reflect a change in appropriations and/or tuition cap while continuing to maintain a balanced budget.

It was moved by J. Littmann, supported by W. Johnson, and passed by voice vote without dissent that the Board of Trustees approves the FY20 General Fund Operating Budget as presented, including the FY20 Room & Board and Apartment Rental Rates, and authorizes the Administration to revise the general fund operating budget, without increasing resident undergraduate tuition and room & board and apartment rental rates, to reflect any changes in state appropriations and/or tuition cap while maintaining a balanced budget and informing the Board Audit and Finance Committee of any such changes that may be necessary.

# Michigan Technological University

## FY20 General Fund Budget

	Proposed Budget
	FY20
<b>Operating Revenues</b>	
Tuition and Fees	\$ 144,832,831
Federal Grants and Contracts	150,000
State & Local Government Grants & Contracts	-
Nongovernmental Grants & Contracts	-
Indirect Cost Recoveries	15,226,000
Educational Activities/Misc. Revenues	343,450
Student Resident Fees	-
Sales and Services of Dept Activities	-
	<u>\$ 160,552,281</u>
<b>Operating Expenses</b>	
Staff S&W	\$ (43,514,326)
Faculty S&W	\$ (49,399,912)
Grad Student S&W	\$ (4,864,385)
Undergrad Student S&W	\$ (1,048,446)
Fringe Benefits	\$ (35,033,071)
Supplies & Services	\$ (19,169,367)
Scholarships	\$ (47,521,752)
Utilities	\$ (4,164,493)
Strategic Reallocations/Reductions	\$ 4,715,598
Contingency/Carryforward Reserve	\$ (5,000,000)
	<u>\$ (205,000,155)</u>
<b>Transfers</b>	
Mandatory/Non-Mandatory	<u>\$ (11,769,440)</u>
<b>Nonoperating Revenues (Expenses)</b>	
State Appropriations	\$ 50,889,814
Gift Income	4,527,500
Investment Income	800,000
Interest Expense	
	<u>\$ 56,217,314</u>
Net Income (Loss)	<u><u>\$ 0</u></u>

**Douglass Houghton Hall, McNair Hall, Wadsworth Hall**

Occupancy Dates: August 24, 2019 - December 21, 2019 and January 11, 2020 - May 2, 2020

Housing (Regular Occupancy) and Dining	2018-2019 Housing & Gold Plan Dining	Proposed Increase	2019-2020 Housing & Unlimited Dining	Percent Change
<b>Wadsworth Hall and McNair Hall</b>				
*Double Occupancy	\$ 10,726	\$ 248	\$ 10,974	2.31%
Single Occupancy	\$ 12,183	\$ 248	\$ 12,431	2.04%
Triple/Quad Occupancy	\$ 10,540	\$ 248	\$ 10,788	2.35%
<b>Wadsworth Hall w/ private bath</b>				
Double Occupancy	\$ 11,470	\$ 248	\$ 11,718	2.16%
Single Occupancy	\$ 13,268	\$ 248	\$ 13,516	1.87%
<b>Douglass Houghton Hall</b>				
Standard Occupancy (Double and Quad)	\$ 10,540	\$ 248	\$ 10,788	2.35%
Single Occupancy	\$ 12,183	\$ 248	\$ 12,431	2.04%
<b>Housing (Reduced/Temporary Occupancy) and Dining</b>				
Temporary Housing	\$ 8,866	\$ 248	\$ 9,114	2.80%
Quad to 2	\$ 11,036	\$ 248	\$ 11,284	2.25%
Quad to 3/Triple to 2	\$ 10,664	\$ 248	\$ 10,912	2.33%
Triple to 1	\$ 12,183	\$ 248	\$ 12,431	2.04%
Wads Quad to 2	\$ 11,129	\$ 248	\$ 11,377	2.23%
Wads Quad to 3	\$ 10,943	\$ 248	\$ 11,191	2.27%
Triple Suite to 2	\$ 11,873	\$ 248	\$ 12,121	2.09%
DHH Quad Suite to 3	\$ 11,873	\$ 248	\$ 12,121	2.09%

Unlimited Dining has \$200 dining dollars and 8 guest meal swipes per semester. Guest meal swipes expire at the end of the semester. Dining Dollars carry over from fall to spring semester. Dining Dollars expire at the end of the spring semester.

\* Rate reported to US Department of Education Integrated Postsecondary Education Data System

**Hillside Place Residence Hall**

Occupancy Dates: August 24, 2019 - December 21, 2019 and January 11, 2020 - May 2, 2020

Single Bedroom and Meal Rate	2018-2019 Housing & 150 Block Dining	Proposed Increase	2019-2020 Housing & 150 Block Dining	Percent Change
Single Bedroom in Shared Apartment	\$ 11,340	\$ 570	\$ 11,910	5.03%
Single Bedroom Apartment	\$ 12,010	\$ 675	\$ 12,685	5.62%

Renewing Hillside Place contracts are eligible for the 75 Meal Block meal plan, rate as recommended above, minus \$1060.

Block meal plans are only available for the Hillside Place. Meals expire at the end of each semester. Unlimited Dining plan is available.

**Daniell Heights Apartments**

Lease Agreement Dates: July 1, 2019 to June 30, 2020 or August 15, 2019 to June 30, 2020

Monthly Rental Rate	2018-2019	Proposed Increase	2019-2020	Percent Change
<b>Student Rates</b>				
One Bedroom	\$ 705	\$ 15	\$ 720	2.13%
Two Bedroom	\$ 1,000	\$ 20	\$ 1,020	2.00%
Three Bedroom	\$ 1,260	\$ 30	\$ 1,290	2.38%
<b>University Employee Rates</b>				
One Bedroom	\$ 880	\$ 20	\$ 900	2.27%
Two Bedroom	\$ 1,080	\$ 35	\$ 1,115	3.24%
Three Bedroom	\$ 1,375	\$ 50	\$ 1,425	3.64%

**L. Appointment of Treasurer**

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

As Ms. Susan Kerry begins her employment as Chief Financial Officer and Senior Vice President of Administration on June 1, 2019, it is being recommended that the Board appoint a Treasurer effective June 1, 2019.

It was moved by J. Littmann, supported by S. Tomaszewski, and passed by voice vote without dissent that the Board of Trustees:

**M. Election of Chair and Vice Chair**

It was moved by R. Jacquart, supported by W. Johnson, and passed by voice vote without dissent that the Board of Trustees elects Brenda Ryan as chair for the fiscal year 2019-2020; and that further, the Board elects Bill Johnson as vice chair for the same period.

**VI. REPORTS**

- A. Undergraduate Student Government Report – Melanie Thomas, President**
- B. Graduate Student Government Report-Apurva Baruah, President**
- C. University Senate Report-Dr. Michael Mullins, President**
- D. School of Business Report-Matthew Sanregret/Zachary Rosenbaum/Sarah Anderson**

Copies of these reports were included in the agenda book.

**VII. 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**

**VIII. OTHER BUSINESS**

There was no other business at this time.

**IX. PUBLIC COMMENTS**

Joshua Marshal, Computer Science Alumni, provided his opinion and concerns on faculty and rising tuition costs.

**XI. ADJOURNMENT**

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

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Secretary of the Board of Trustees

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Chair, Board of Trustees