Formal Session of the Board of Trustees
October 9, 2020
9:00 a.m. – 11:00 a.m.
ZOOM Webinar
https://michigantech.zoom.us/j/98493138587

I.   **Call to Order**
Brenda Ryan, Chair

II.   **Roll Call**
Sarah Schulte, Secretary

III.   **Confirm Agenda**
Brenda Ryan, Chair

IV.   **Opening Remarks**

    A.   **Opening Remarks of the Board Chair**
        Brenda Ryan, Chair

    B.   **Opening Remarks of the University President**
        Richard Koubek, President

V.   **Public Comment Period**

VI.   **Committee Reports**

    A.   **Academic Affairs**
        Linda Kennedy, Committee Chair

    B.   **Audit and Finance Committee**
        Jeff Littmann, Committee Chair

    C.   **Leadership Committee**
        Bill Johnson, Committee Chair

VII.   **Consent Agenda**

    A.   **Approval of Minutes**

    B.   **Degrees in Course**

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

    D.   **Fundraising Productivity Report**

    E.   **2021 Meeting Dates**

    F.   **Temporary Suspension of Board Bylaw 1.13**

VIII. Action and Discussion Items

    A.   **Employee Recognition**
          Brenda Ryan, Chair

    B.   **Five-year State Capital Outlay Plan**
          Sue Kerry, Treasurer

    C.   **Melvin Calvin Medal of Distinction**
          Jackie Huntoon, Provost

IX. Reports

    A.   **Recruiting and Enrollment Update**
          John Lehman, Vice President for University Relations and Enrollment

    B.   **State Budget Report**
          Bill Kordenbrock, Vice President for Government Relations

    C.   **COVID-19 Contact Tracing and Testing**
          Kelly Kamm, Associate Professor KIP, Epidemiologist

    D.   **Undergraduate Student Government**
          Larkin Hooker-Moericke, President

    E.   **Graduate Student Government**
          Nathan Ford, President

    F.   **University Senate**
          Samuel Sweitz, President

X. Informational Items

    A.   **Analysis of Investments**

    B.   **Research & Sponsored Programs**

    C.   **Advancement & Alumni Relations**

    D.   **Media Coverage**

      E.   **Employee Safety Statistics**

XI.   **Other Business**

XII.   **Date for Next Formal Meeting: December 18, 2020**

XIII.   **Adjourn**

I.   CALL TO ORDER
Brenda Ryan, Chair

II.   ROLL CALL

Sarah Schulte, Secretary

III.   CONFIRM AGENDA
Brenda Ryan, Chair

RECOMMENDATION: That the Board of Trustees approves the agenda for the formal session of October 9, 2020 as distributed to the Board.

IV.   OPENING REMARKS

A. Opening Remarks of the Board Chair
Brenda Ryan, Chair

B. Opening Remarks of the University President
Richard Koubek, President

V.   PUBLIC COMMENT PERIOD

Members of the public are invited to make public comments to the Board of Trustees in accordance with Board of Trustees Bylaw 1.14. Those who wish to address items in today's agenda and who have filed their intent with the Secretary of the Board as required by Bylaw 1.14 will be limited to 5 minutes. Those addressing general topics are limited to 3 minutes.

VI.   COMMITTEE REPORTS

A. Academic Affairs Committee – Linda Kennedy

B. Audit and Finance Committee – Jeff Littmann

C. Leadership Committee – Bill Johnson

VII. CONSENT AGENDA

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

A.   Approval of Minutes

B.   Degrees in Course

C.   Resignations, Retirements, and Off Payroll

D.   Fundraising Productivity Report

E.   2021 Meeting Dates

F.   Temporary Suspension of Board Bylaw 1.13

VII-A. APPROVAL OF MINUTES

VII-B. DEGREES IN COURSE

VII-B. DEGREES IN COURSE

Michigan Technological University
1885

Registrar's Office

MEMORANDUM

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

From: Theresa Jacques
Registrar's Office

Date: September 14, 2020

Subject: Candidates for Degrees – Conferral Term 202005

The attached list of candidates for degrees, beginning with Vrushabh Vijaya Kumar Malgatte and ending with Zhongyuan Hu is submitted for the granting of the appropriate degrees by the Board of Trustees. I certify that these candidates meet all requirements for their respective degrees and that the names have been submitted to and have received the approval of the faculty from their major department.

Theresa Jacques
Registrar

TJ: kph

130 Administration Building | 1400 Townsend Drive, Houghton, Michigan 49931-1295
906-487-2319 | f. 906-487-3343 | registrar@mtu.edu | **mtu.edu/registrar**

Michigan Tech is an EOE which includes protected veterans and individuals with disabilities.

Michigan Technological University

Degrees Awarded for Conferral Term 202005

Michigan Technological University Registrar's Office September 22, 2020

Bachelor of Arts in Communication, Culture, and Media

- Vrushabh Vijaya Kumar Malgatte

Bachelor of Arts in Scientific and Technical Communication

- Corinne Mercedes VanOstran
- Sarah Elizabeth Lindbeck - Magna Cum Laude

Bachelor of Science in Applied Geophysics

- Eric Lissander F Anderson Oliveira

Bachelor of Science in Audio Production and Technology

- Ryan Neil Nicklas

Bachelor of Science in Biological Sciences

- Katrianna Clair Studtmann - Magna Cum Laude*

Bachelor of Science in Biomedical Engineering

- Allison Michelle Jager
- James David Roland
- Joshua E Geschke

Bachelor of Science in Chemical Engineering

- Korey Michelle Mckinley - Summa Cum Laude
- Miles Raymond LeViere - Magna Cum Laude*

Bachelor of Science in Chemistry

- Jason Riley Barr

Bachelor of Science in Civil Engineering

- Adeline Ruth Hummel
- Cole Vincent LeBarre
- John Thomas Seilsopour
- Zachary Russell Davis

Bachelor of Science in Computer Engineering

- Michael Thomas Stock - Cum Laude

Bachelor of Science in Computer Network and System Administration

- Derek Paul Laker
- Marton Albert
- Ryan Stephen Jacobson
- Thomas Bialy

Bachelor of Science in Computer Science

- Alexander Philip Larkin - Cum Laude
- Brandon Michael Wichman
- Brendan James Fyan
- Jacob Ross McNeilly
- Jeremy Ruslan Guinn
- Keith Wesley Atkinson
- Robin N Kerr
- Sequoyah P Swiercz

Bachelor of Science in Construction Management

- Austin James Hintz
- John Michael Ball
- Joseph Bradley Hardin

Bachelor of Science in Economics

- Sarah Goble - Magna Cum Laude

Bachelor of Science in Electrical Engineering

- Addison Joe Waege - Magna Cum Laude
- Charles Stanley Powell
- Daniel Demmer Groess - Cum Laude
- Dayton Matthew Clark
- Joshua John Frederick Ayres
- Megan Kerry Patrick
- William Joseph Horan

Bachelor of Science in Electrical Engineering Technology

- Larry Thomas Stambeck

Bachelor of Science in Engineering Management

- Stephanie Suzanne Bauchet

Bachelor of Science in Environmental Engineering

- Julia Eve Manzano - Cum Laude
- Katharine Margaret Gula

Bachelor of Science in Exercise Science

- Matthew J Bersano
- Montanna Elizabeth Windham*

Bachelor of Science in Finance

- Benjamin David Hutchison
- Mitchell Denham Barrington Meek - Magna Cum Laude

Bachelor of Science in Forestry

- Joshua Aaron Isaac

Bachelor of Science in Management

- Mitchell A Edick

Bachelor of Science in Management Information Systems

- Robbie A Beydoun - Magna Cum Laude
- Stephanie Lynn Verville

Bachelor of Science in Materials Science and Engineering

- Brendan L Treanore
- Pierce Joseph Mayville

Bachelor of Science in Mathematics

- Anna Elaine Dawson
- Joseph Paul Phillips
- Tyrik Dequan Wicks

Bachelor of Science in Mechanical Engineering

- Aaron Joseph Streng
- Aaron N Ebling
- Clarice Elizabeth Hill - Magna Cum Laude
- Clayton Howard Cross
- Gita A Deonarain - Magna Cum Laude
- Gregory Scott Seppanen
- Jordan David Null - Magna Cum Laude
- Joshua Michael Carpenter
- Mitchell J Fitzpatrick
- Nicole Catherine Wright
- Samuel Martin Wurst - Cum Laude
- Sidney Ann Schroeder
- Tristin Reed Franckowiak
- Tyler Gary Seaman
- Tyler Jeffrey Kulich
- Zachary Mark Schwab
- Zachary Scott Rutherford

Bachelor of Science in Mechanical Engineering Technology

- Frances J Luo - Cum Laude*
- Hunter Scott Karlen*

Bachelor of Science in Medical Laboratory Science

- Madisyn Lynne Estkowski
- Mizuki Kozu

Bachelor of Science in Mining Engineering

- Garrett James Singer

Bachelor of Science in Psychology

- Alexandra Bobbette Pippenger

Bachelor of Science in Software Engineering

- Caleb Andrew Hill
- Robert Louis Eriksen-O'Rourke

Bachelor of Science in Sports and Fitness Management

- Alexis Elizabeth Savard

Master of Business Administr. in Business Administration

- Cody W Kunnari
- LeAnn Nicole Schaefer

Master of Forestry in Forestry

- Ashley Serena Laux
- Shane Jerome Mrozek

Master of Science in Accounting

- Daniel George Schudlich
- Mathew Joseph Mcfarland
- Shannon Eve Forsberg

Master of Science in Applied Cognitive Science and Human Factors

- Lamia Alam

Master of Science in Applied Natural Resource Economics

- Vongdalone Vongsikeo

Master of Science in Applied Physics

- Manpreet Boora

Master of Science in Applied Science Education

- Danielle Amelia Dean

Master of Science in Biological Sciences

- Bailey Bernard Duxbury
- Kathleen Mae Martin
- Lindsey Marie Schenten
- Sarah Elizabeth LewAllen

Master of Science in Biomedical Engineering

- Hannah Jean Hitchcock
- Morgan Lee Ferguson

Master of Science in Chemical Engineering

- Cameron Stuart Miller
- FNU Ananya
- Victor Joseph Claremboux
- Vinaykumar Maganbhai Boghara

Master of Science in Chemistry

- Nazanin Nahrjou

Master of Science in Civil Engineering

- Marjan Monfarednasab

Master of Science in Cybersecurity

- Bernard Emory Kluskens

Master of Science in Data Science

- Josef Pichler Pishek

Master of Science in Electrical Engineering

- Akshay Manish Dandgaval
- Hannah Mae Stoll
- Jerrica A Jones
- Kanad Bhagwat
- Krutika Shetkar
- Zachary Douglas Jeffries

Master of Science in Environmental Engineering

- Ryan Jacob Kibler

Master of Science in Environmental and Energy Policy

- Azat Turegeldin
- Karuna Rana
- Robert John Zupko

Master of Science in Forest Ecology and Management

- Elisabeth Viola Stimmel

Master of Science in Geological Engineering

- Joyata Yatinkumar Raval

Master of Science in Geology

- Celine Mei-An Carus
- Heather Thole
- Roberto Cuahutemoc Armijo

Master of Science in Geophysics

- Katie E Bristol
- Mohamed Mahmoud Shawky Abuzaied Mohamed

Master of Science in Industrial Archaeology

- Brendan Joseph Doucet
- Gideon Lee Hoekstra

Master of Science in Kinesiology

- Hannah Cunningham

Master of Science in Materials Science and Engineering

- Erin J VanDusen
- Matthew J Thomas
- Sahil Dhoka

Master of Science in Mechanical Engineering

- Aditya Vasant Wagh
- Akhil Komma
- Atharva Manoj Rahane
- Chinmay Prasad Sathe
- Chinmay Yogesh Halari
- Connor Joseph McCann
- Himansshu Abhi
- Jacob R Liimatta
- Jonathan Brian Markl
- Manas Arora
- Mattias Mark Hoehnen
- Narendra Prakash Patwardhan
- Pruthak Milankumar Parikh
- Pushkar Prashant Khairnar
- Radhika Sitaraman
- Raghu Ram Kommineni

- Rishabh Awasthi
- Saurabh Shankar Shegokar
- Shreyans Subhash Sethia
- Shubham Vatsa
- Subin Sayinatha Shetty
- Sudarshan Tak
- Sumit Mishra
- Syed Ahmad Nadeem
- Thomas Kenneth Price
- Vishal Umesh Shanbhag
- Walker Houston Nelson

Master of Science in Mining Engineering

- Adel Asadi

Master of Science in Statistics

- Praveen Tharuka Wijewardana Perera Hettige

Doctor of Philosophy in Biological Sciences

- Brian M Danhoff
- Colin Neil Brooks

Doctor of Philosophy in Biomedical Engineering

- Rattapol Pinnaratip

Doctor of Philosophy in Chemical Engineering

- Dylan Gregory Turpeinen
- Pratik Umesh Joshi

Doctor of Philosophy in Civil Engineering

- Dongdong Ge
- Jiaqing Wang

Doctor of Philosophy in Computer Science

- Ali Jalooli
- Gorkem Asilioglu

Doctor of Philosophy in Engineering - Environmental Engineering

- Hossein Tavakoli

Doctor of Philosophy in Environmental and Energy Policy

- Brent Jeremiah Burns

Doctor of Philosophy in Forest Science

- Elizabeth Montgomery Barnes
- Munkaila Musah

Doctor of Philosophy in Materials Science and Engineering

- Haotian Zhang

Doctor of Philosophy in Mathematical Sciences

- Dilek Erkmen

Doctor of Philosophy in Mechanical Engineering - Engineering Mechanics

- Alexander W Miranda
- Maryam Pourhasanzadehsharifi
- Sarah Jalal
- Thomas Mancuso

Doctor of Philosophy in Rhetoric, Theory and Culture

- Elizabeth A Renshaw
- Nancy Henaku

Doctor of Philosophy in Statistics

- Zhongyuan Hu

*Addendum to Conferral

- Katrina Claire Studtmann awarded in term 202001
- Miles Raymond LeViere awarded in term 202001
- Montanna Elizabeth Windham awarded in term 202001
- Frances J. Luo awarded in term 202001
- Hunter Scott Karlen awarded in term 202001

VII-C. RESIGNATIONS, RETIREMENTS, AND OFF PAYROLL

BOARD OF TRUSTEES OFF-PAYROLL REPORT
(July 1, 2020 – September 5, 2020)

RETIRED

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Cheryl Bloom	Staff	Facilities Management	Custodian	08/31/1990	08/21/2020
Joyce Fountaine	Staff	Financial Services & Operations	Administrative Aide 7	03/11/1985	07/24/2020
W. Charles Kerfoot	Faculty	Biological Sciences	Professor	08/28/1989	08/15/2020

OFF-PAYROLL

Name	Class	Department	Title	Most Recent Hire Date	Term Date
Jordon Astle	Staff	Physics	Laboratory Technician	05/20/2019	07/17/2020
Lisa Cunard	Staff	Civil & Environmental Engineering	Office Assistant 4	03/09/2015	09/05/2020
Vesper Dobbs	Staff	Academic & Community Conduct	Office Assistant 6	08/28/2017	07/26/2020
John Durocher	Faculty	Biological Sciences	Associate Professor	05/30/2010	08/16/2020
Patricia Frueh	Staff	Center Student Mental Health Wellbeing	Assistant Director	08/14/2017	08/14/2020
Mark Gockenbach	Staff	Mathematical Sciences	Department Chair	08/31/1998	08/01/2020
Rachel Griffin	Staff	Materials Science and Engineering	Office Assistant 6	11/06/2017	09/04/2020
Latika Gupta	Faculty	College of Business	Assistant Professor	08/18/2014	07/02/2020
Janette Haase	Staff	Keweenaw Research Center	Research Engineer I	09/06/2004	08/04/2020
Derek Holzberger	Staff	Residential Dining	Food Service Helper	10/21/2019	08/10/2020
Ellen Horsch	Faculty	College of Business	Professor of Practice	11/23/1986	07/20/2020
Michelle Jacob	Staff	General Athletics	Head Coach Women's Soccer	02/01/2010	08/24/2020
Roger Kieckhafer	Faculty	Electrical and Computer Engineering	Associate Professor	08/20/2000	07/19/2020
Benjamin Larson	Staff	Office of Advancement	Director of Advancement	04/09/2007	07/30/2020
Ashley Laux	Staff	Financial Aid Administration	Financial Aid Manager	11/30/2016	09/04/2020
Belinda Mattfolk	Staff	Residential Dining	Food Service Helper	04/09/2018	08/11/2020
Joseph Neher	Staff	Facilities Management	Custodian	01/08/2014	08/10/2020
Jennifer Nicevski	Staff	Kinesiology/Integrative Physiology	Polysomnographic Trainee	11/18/2019	08/16/2020
Saeid Nooshabadi	Faculty	Electrical and Computer Engineering	Professor	02/01/2010	08/31/2020
Gail North	Staff	Enterprise Application Services	Business Intelligence Developer	06/16/2008	07/31/2020
Jill Null	Staff	Auxiliary Services	Catering Sales Coordinator	08/14/2017	07/24/2020
Travis Pihlaja	Staff	Facilities Management	Building Mechanic I	04/02/2012	08/19/2020
Justin Ploe	Staff	Enterprise Application Services	Programmer / Analyst	11/19/2018	08/07/2020
Hao Qi	Faculty	College of Business	Professor	08/15/2005	07/02/2020
Rupak Rajachar	Faculty	Biomedical Engineering	Principal Lecturer	08/13/2006	08/15/2020
Alexander Renshaw	Staff	Humanities	Administrative Aide 7	02/27/2017	07/27/2020
Andrew Rollenhagen	Staff	Enterprise Application Services	Programmer/Analyst	05/23/2011	08/14/2020
Kortni Rule	Staff	Facilities Management	Custodian	01/04/2016	07/27/2020
Victoria Sharich	Staff	Residential Dining	Food Service Helper	08/14/2017	08/12/2020
Anne Tikkanen	Staff	Kinesiology/Integrative Physiology	Research Study Coordinator	12/04/2017	08/16/2020
Ebenezer Tumban	Faculty	Biological Sciences	Associate Professor	08/18/2014	08/01/2020
Feng Zhao	Faculty	Biomedical Engineering	Associate Professor	08/07/2011	08/08/2020

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1

Megoke

September 10, 2020

VII-D. FUNDING PRODUCTIVITY REPORT

Michigan Technological University
Michigan Tech Fund
Fundraising Productivity Report
July 1, 2020 through Sep 15, 2020
Compared to Prior Fiscal Year

FY21

Source	YTD Total	Adjustment	FY Goal (in millions)	% of Goal
Individual Giving	2,606,076	2,000,000	18.25	25%
Corporate Giving	116,212		1	12%
Foundation & Other Org Giving	133,589		1	13%
Corporate Sponsored Research	2,289,123		11	21%
FUNDRAISING TOTAL	**5,145,000**	**2,000,000**	**31.25**	**23%**
PROGRESS TOWARDS GOAL	**7,145,000**			

Amt of TOTAL from Gifts-in-Kind	*3.00*
Realized Planned Gifts	*279,118*
Realized Pledges	*304,300*

FY20

Source	YTD Total	Adjustment	FY Goal (in millions)	% of Goal	FY Total
Individual Giving	4,758,702		26.25	18%	15,224,284
Corporate Giving	662,551		2	33%	2,453,346
Foundation & Other Org Giving	58,441		1.5	4%	1,153,801
Corporate Sponsored Research	913,755		11	8%	9,972,618
FUNDRAISING TOTAL	**6,393,450**		**40.75**	**16%**	**28,804,049**

Notes:

The Adjustment totals include changes to gift records (eg. gift received date, amount, or other donor driven gift modifications)

The FUNDRAISING TOTAL includes outright gifts, as well as new pledge and planned gift commitments, made in the specified date range.

Realized planned gifts and realized pledges are not included in the FUNDRAISING TOTAL.

An individual's gifts made through a donor-advised fund are counted under the individual.

An individual's gifts made through another source (i.e. family foundation or closely held business) are counted under the source entity.

The FUNDRAISING TOTAL for fiscal years 2020 and later include gifts-in-kind under other sources (Major Gifts, Annual Giving, etc).

VIII-E. 2020 MEETING DATES

The following dates are presented for approval.

Friday, February 26, 2021

Friday, April 30, 2021

Thursday, August 5, 2021

Friday, October 8, 2021

Friday, December 17, 2021

RECOMMENDATION: That the Board of Trustees approves the meeting dates as presented.

VIII-F. TEMPORARY SUSPENSION OF BOARD BYLAW 1.13

Michigan Technological University moved to Health and Safety Level 4 on September 28 to support the local community's cooling off period requested by public health officials. In furtherance of that support, the October 2020 Board of Trustees meeting will take place virtually. Board Bylaw 1.13 requires that at least three Board members be physically present for a formal session of the Board. Travel for this purpose is not advisable at this time.

RECOMMENDATION: That the Board of Trustees temporarily suspends the portion of Board Bylaw 1.13 that requires at least three Board Members be physically present for a formal session of the Board for the October 2020 formal session only.

VIII. ACTION AND DISCUSSION ITEMS

A. Employee Recognition
B. Five-year State Capital Outlay Plan
C. Melvin Calvin Award Medal of Distinction

VIII-A. EMPLOYEE RECOGNITION

For our employees that have worked for Michigan Tech for 35 or more years and in recognition of their distinguished service and outstanding contributions to Michigan Tech, the Board would like to honor them with a resolution of appreciation.

RECOMMENDATION: That the Board of Trustees adopts the Resolution of Appreciation for the following individuals:

1.) Joyce Fountaine - 35 years of service

VIII-B. FY22 FIVE-YEAR STATE CAPITAL OUTLAY PLAN AND REQUEST

The FY22 Five-Year State Capital Outlay Plan and Request is required to be submitted to the State of Michigan this fall with Board of Trustees approval, and is included herein.

RECOMMENDATION: That the Board of Trustees approves the FY22 Five-Year State Capital Outlay Plan and Request to be submitted to the State of Michigan.

FY22 Five-Year State Capital Outlay Plan							
Rank	Project Name	Gross Sq. Ft. New	Gross Sq. Ft. Renovated	Total Project Costs (000's)	State Funds (000's)	Est. Const. Univ. Funds (000's)	FY Start/ FY End
1	CONSTRUCTION APPROVAL for the H-STEM Engineering and Health Technologies Complex – Phase I	62,000	11,000	$44,700	$29,700	$15,000	2022/2025

Description
H-STEM Engineering and Health Technologies Complex -Phase I
The H-STEM Engineering and Health Technologies Complex will support Michigan Tech's integrated educational programs that apply engineering and science to problems related to human health. Michigan Tech's technological niche allows it to contribute to health-related research, development, and education for its students by developing therapeutic devices, instruments, sensors, and preventative strategies. Research is currently supported by the American Heart Association, Portage Health Foundation, National Institutes of Health, and the National Science Foundation (among others). The complex will include shared and flexible laboratory spaces, co-located with renovated classrooms and learning/spaces within an existing building (Chemical Sciences and Engineering) that meet current industry standards for safe operation and the training of students. The complex will permit teams of researchers and students from Biomedical Engineering, Chemical Engineering, Mechanical Engineering, Electrical and Computer Engineering, Materials Science and Engineering, Biology, Chemistry, Cognitive and Learning Sciences, Computer Science, and Kinesiology and Integrative Physiology to work together in collaborative space with shared equipment. The estimated cost of $44,700,000 will allow Michigan Tech's engineers and scientists to continue to increase economic prosperity through development of technologies and preparation of the future technological workforce. Research and educational efforts made possible by this complex will complement and add value to activities at other universities as well as care providers throughout the state. **Planning authorization for Michigan Technological University's H-STEM Engineering and Health Technologies Complex - Phase I was granted by the State of Michigan legislature in December 2018. The Schematic Design and Programming Statement were submitted to the State in March 2020 for review. Construction approval will be sought from the Board of Trustees in spring 2022.**

VIII-C. MELVIN CALVIN MEDAL OF DISTINCTION

The Melvin Calvin Medal of Distinction is Michigan Tech's highest honor. It is bestowed on individuals who have exhibited truly distinguished professional and personal accomplishments and who have been associated with the University. The administration is recommending Mr. Kanwal Rekhi for the prestigious Melvin Calvin Medal of Distinction.

He has long had close ties to Michigan Tech and is a regular presence on campus, visiting at least twice each year with the 14 Floors group of alums. Graduating in 1969 with a master's degree in electrical engineering, he has served on the President's International Advisory Board. He previously received an honorary Doctorate in Business and Engineering from Michigan Tech in 1997 and the Board of Control Silver Medal for outstanding service to the University in 1994. Most recently, Kanwal received a Distinguished Alumni Award from Michigan Tech in 2000

Rekhi founded Excelan, a pioneering computer networking company and one of the first to commercially develop the TCP/IP protocol. In 1989 Excelan merged with Novell, where Rekhi served as executive vice president, chief technology officer, and a member of the board of directors. Rekhi was named Entrepreneur of the Year by Venture magazine in 1987. He soon became a high-profile, super-angel while co-founding and leading TiE (The Indus Entrepreneurs) into the largest global mentoring network for Indian entrepreneurs. Rekhi co-founded Inventus Capital Partners in 2007 to institutionalize their high-conviction early stage approach to help them build category defining companies. Currently a managing partner at Inventus, the company has helped Silicon Valley founders grow from early-stage startups into meaningful companies with aggregate annual sales of over $1 Billion. Notable Inventus companies include Poshmark in the fashion industry, Credit Sesame in the consumer credit & finance markets, and Sierra Atlantic in the outsourced product development industry. In addition to his role at Inventus, Kanwal has provided capital to local Michigan Tech start-up companies, and serves as a mentor to not only those, but also a number of individual students in early-phase development. Kanwal and his wife, Ann, have a building on campus in their name – the Kanwal and Ann Rekhi Computer Science Hall.

RECOMMENDATION: The Board of Trustees approve the awarding of the Melvin Calvin Medal of Distinction to Mr. Kanwal Rekhi.

IX. REPORTS

A.   Recruiting and Enrollment Update - John Lehman, Vice President for University
        Relations and Enrollment

B.   State Budget Report - Bill Kordenbrock, Vice President for Government
        Relations

C.   COVID-19 Contact Tracing and Testing - Kelly Kamm, Associate Professor KIP,
        Epidemiologist

D.   Undergraduate Student Government – Larkin Hooker-Moericke, President

E.   Graduate Student Government – Nathan Ford, President

F.   University Senate – Sam Sweitz, President

IX-A. RECRUITING AND ENROLLMENT UPDATE

John Lehman, Vice President for University Relations and Enrollment

Fall Enrollment 1965-2020

6867

On Campus   Distance Learning

Michigan Technological University

10/9/2020

Recruiting and Enrollment Update

All Students by College

Legend:
- College of Engineering
- College of Sciences & Arts
- No College Designated
- Sch of Forest Res & Envir Sci
- School of Business & Economics
- School of Technology
- University Extended Programs
- College of Computing
- Interdisciplinary Programs

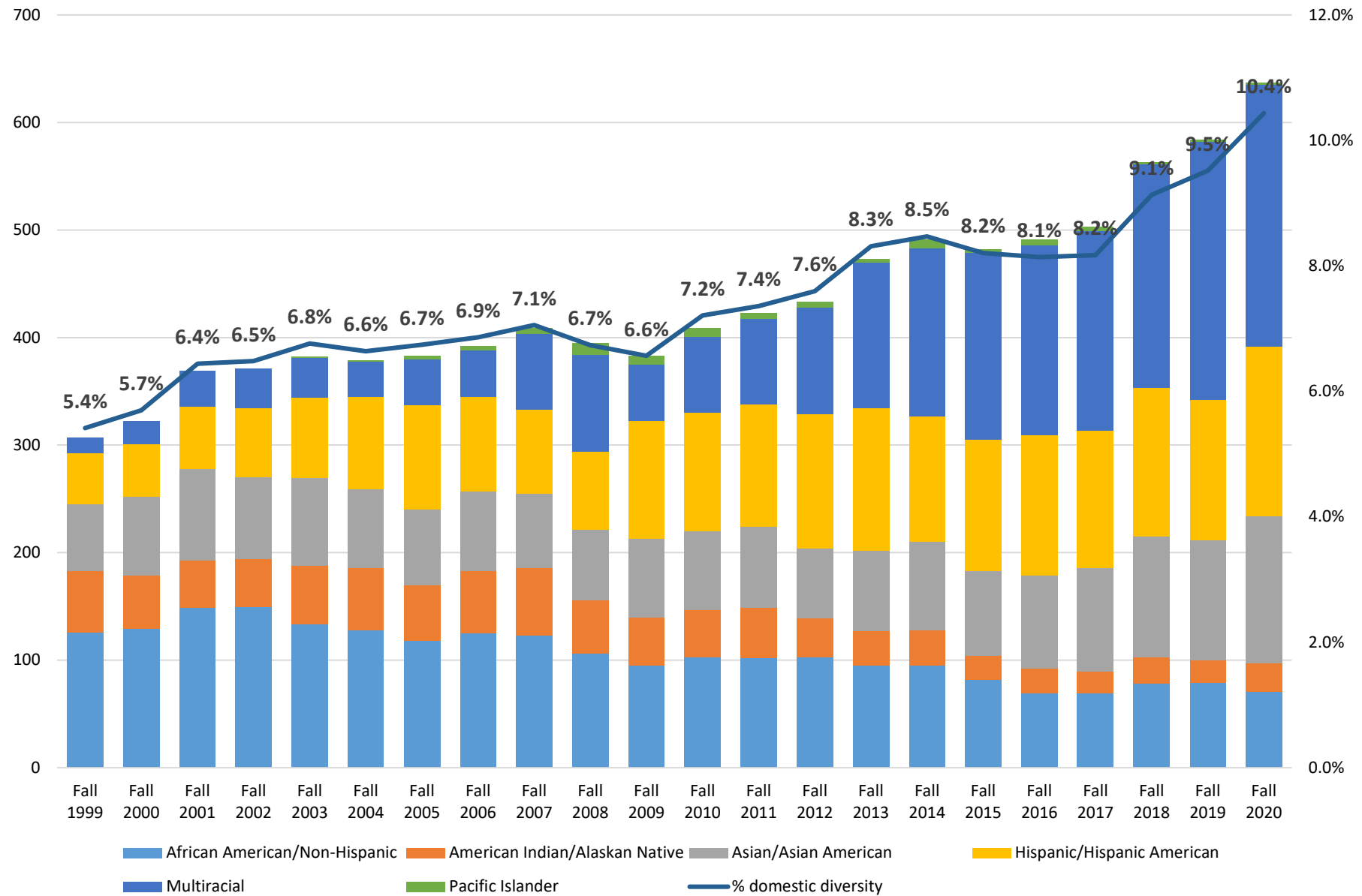Michigan Technological University

10/9/2020

Recruiting and Enrollment Update
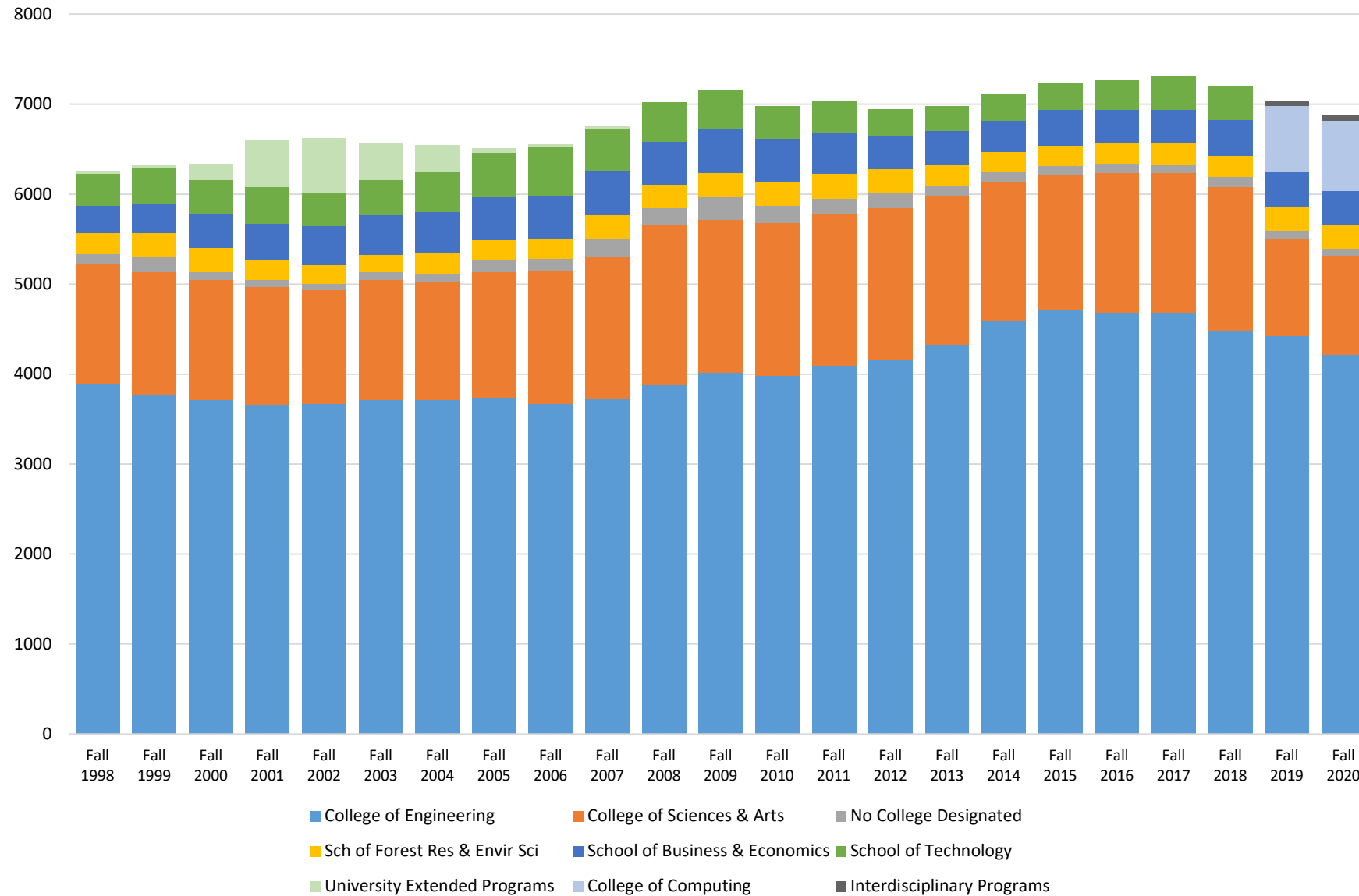
Total Enrollment by UG/G
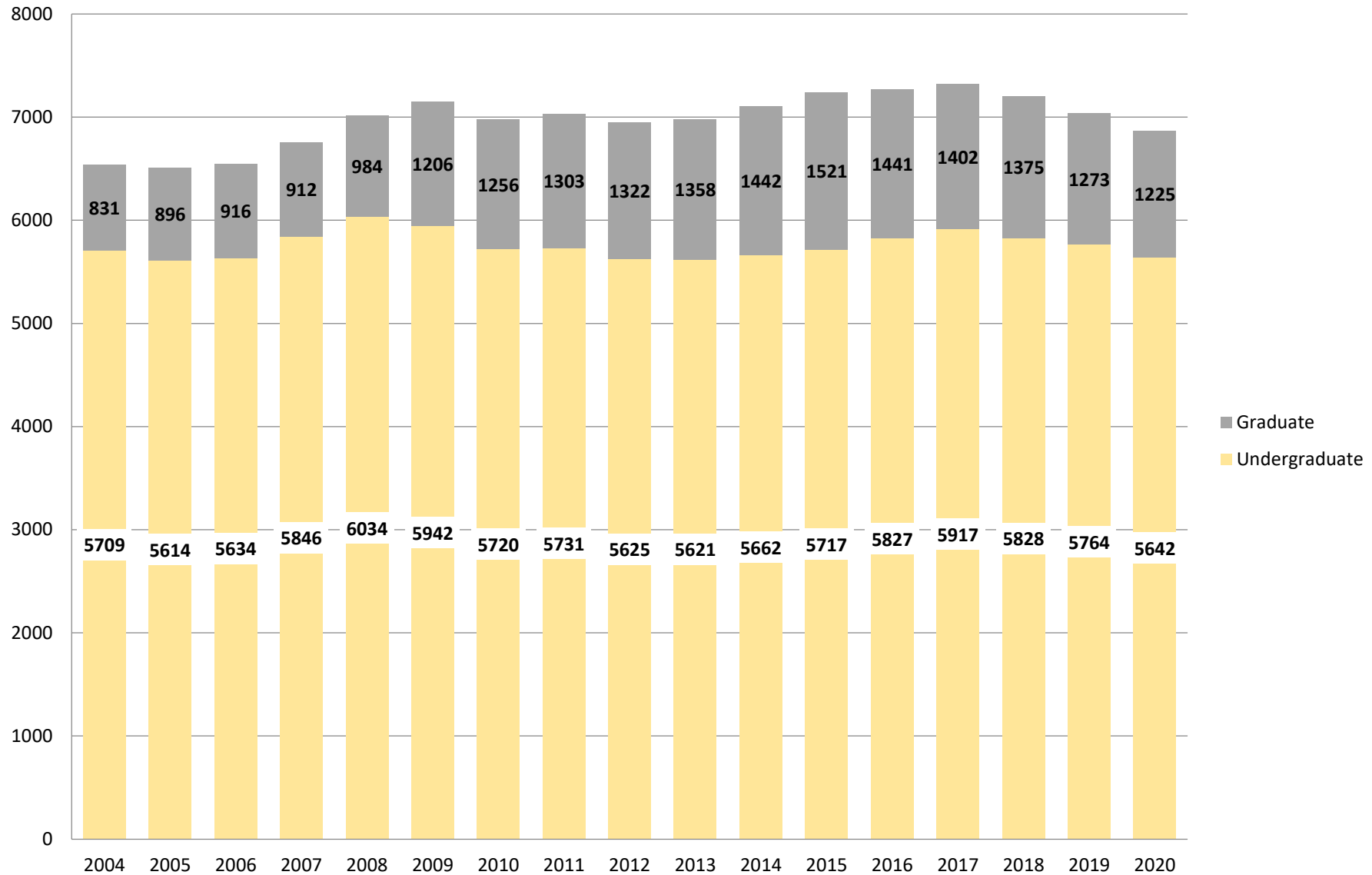
Female Enrollment History

Michigan Technological University

10/9/2020

Recruiting and Enrollment Update
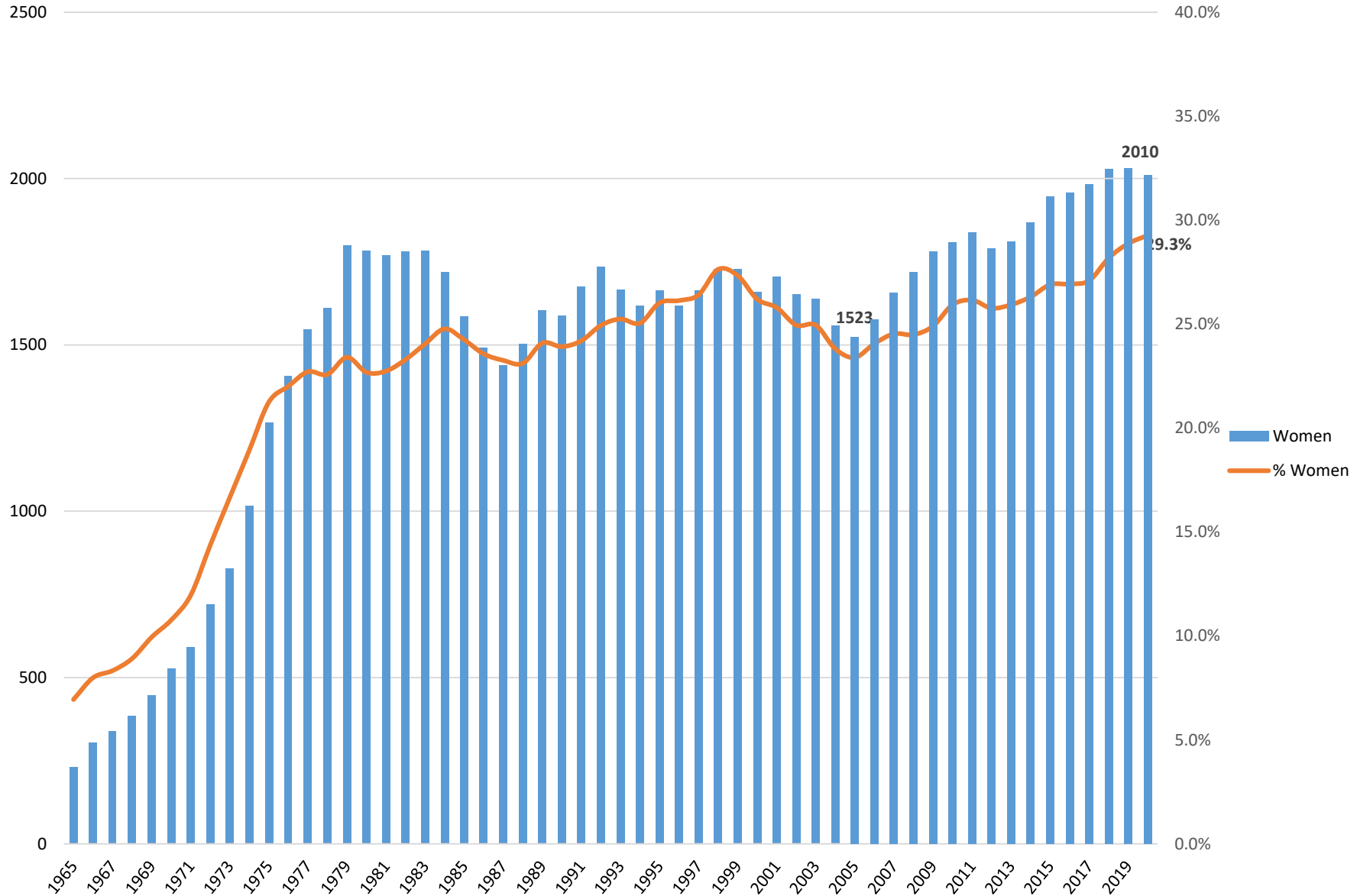
Domestic Diversity

Michigan Tech New Freshmen

-100, -7%

Year	Count
2006	1,169
2007	1,223
2008	1,365
2009	1,159
2010	1,115
2011	1,161
2012	1,153
2013	1,253
2014	1,198
2015	1,277
2016	1,381
2017	1,323
2018	1,245
2019	1,301
2020	1,201
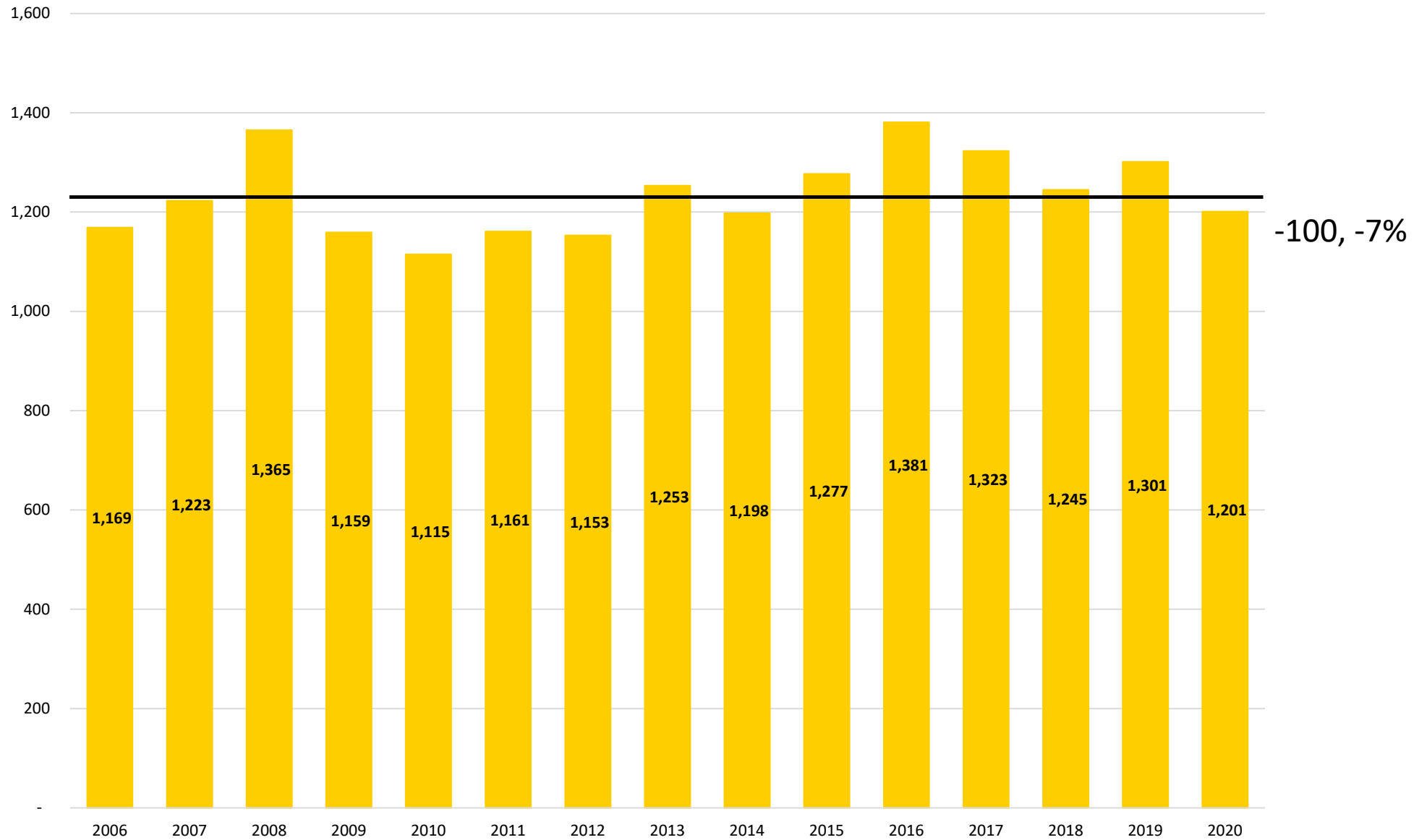
Incoming Domestic Diversity

New UG students by Academic Index Tier
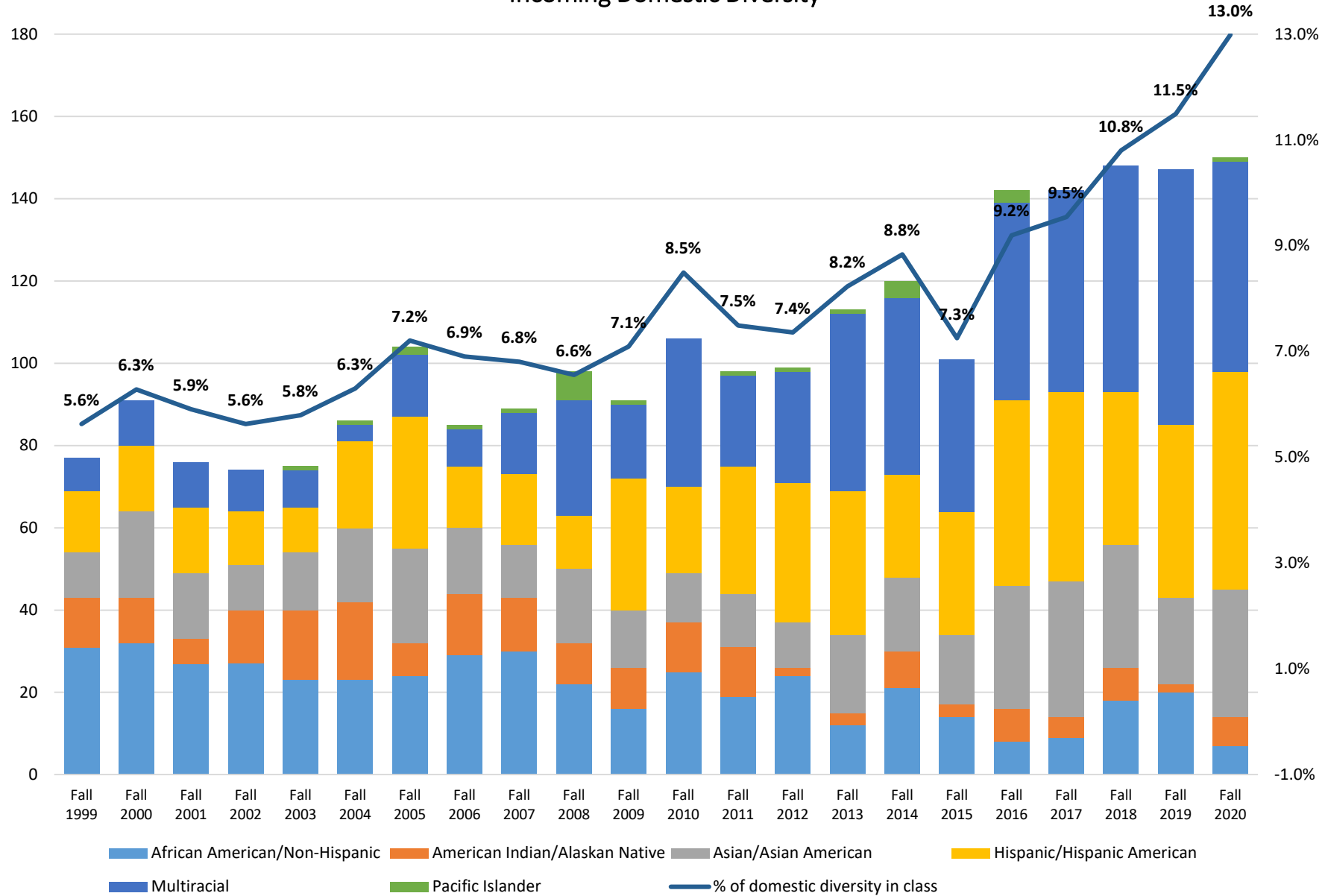
Recalibrated tiers for incoming class of 2019

Michigan Technological University

10/9/2020

Recruiting and Enrollment Update
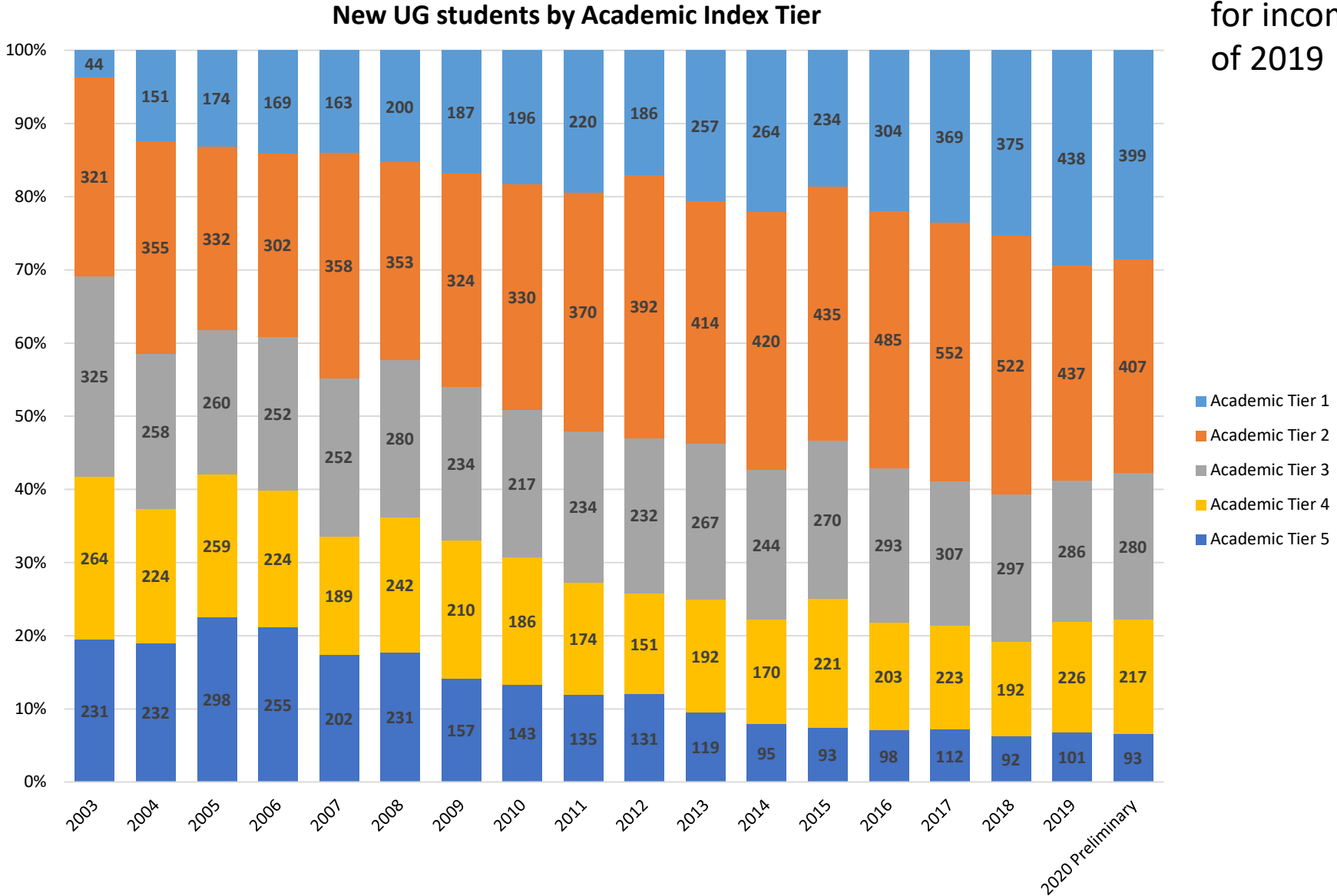
Incoming Freshmen High School GPA
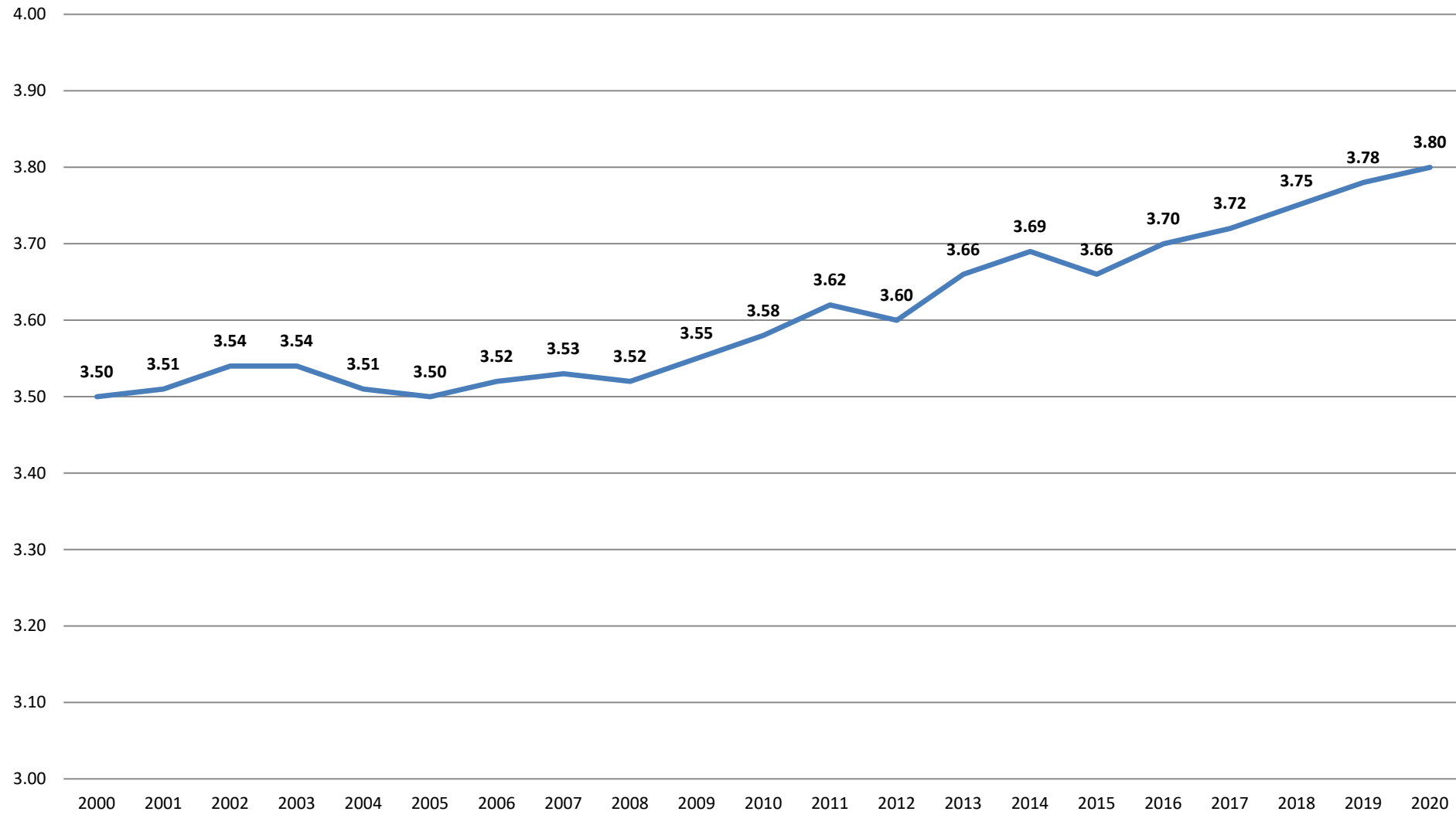
THANK YOU

IX-B. STATE BUDGET REPORT

Bill Kordenbrock, Vice President for Government Relations

**Michigan Tech
Board of Trustees Formal Session
State Budget Report**

October 9, 2020

Michigan Tech
State Appropriation
Overview

| FY2019-20	FY2020-21	Percent Change
$50,568,100	$50,795,200	+0.4%

Summary: FY 2020-21 University Performance Funding Increases
Conference Summary

University	FY 2019-20 Indian Tuition Waiver Payment	FY 2019-20 Year-to-Date Appropriation	Total FY 2020-21 Funding Increase	FY 19 Indian Tuition Waiver Cost	Indian Waiver through adjustment	Indian Tuition Waiver Adjustment	*Total FY21 Tuition Waiver Payment	**Other Adjustments	Proposed FY 2020-21 Appropriation	Percent Change
Central	$1,598,100	$89,227,800	$0	$1,884,800	$79,700	$286,700	$1,964,500	$0	$89,564,500	0.4%
Eastern	302,300	77,556,000	-	301,500	-	(800)	301,500	-	77,555,200	0.0%
Ferris	1,007,300	56,032,800	-	908,800	-	(98,500)	908,800	-	55,934,300	(0.2%)
Grand Valley	1,075,000	73,388,500	-	1,177,200	-	102,200	1,177,200	-	73,490,700	0.1%
Lake Superior	954,000	14,361,000	-	945,100	(100,000)	(8,900)	845,100	1,000,000	15,252,100	6.2%
Michigan State	1,467,700	288,799,400	-	1,604,000	-	136,300	1,604,000	-	288,935,700	0.0%
Michigan Tech	466,500	50,568,100	-	693,600	-	227,100	693,600	-	50,795,200	0.4%
Northern	1,100,000	48,909,100	-	1,010,600	50,000	(89,400)	1,060,600	-	48,869,700	(0.1%)
Oakland	285,100	53,432,500	-	266,100	-	(19,000)	266,100	-	53,413,500	0.0%
Saginaw Valley	223,900	30,807,700	-	219,500	-	(4,400)	219,500	-	30,803,300	0.0%
UM-Ann Arbor	803,500	322,773,600	-	961,000	-	157,500	961,000	-	322,931,100	0.0%
UM-Dearborn	160,200	26,327,200	-	167,800	-	7,600	167,800	-	26,334,800	0.0%
UM-Flint	277,000	23,893,200	-	348,200	-	71,200	348,200	-	23,964,400	0.3%
Wayne State	417,200	203,413,900	-	462,200	-	45,000	462,200	-	203,458,900	0.0%
Western	767,900	112,290,100	-	841,700	-	73,800	841,700	-	112,363,900	0.1%
TOTAL:	$10,905,700	$1,471,780,900	$0	$11,792,100	$29,700	$886,400	$11,792,100	$1,000,000	$1,473,667,300	0.1%
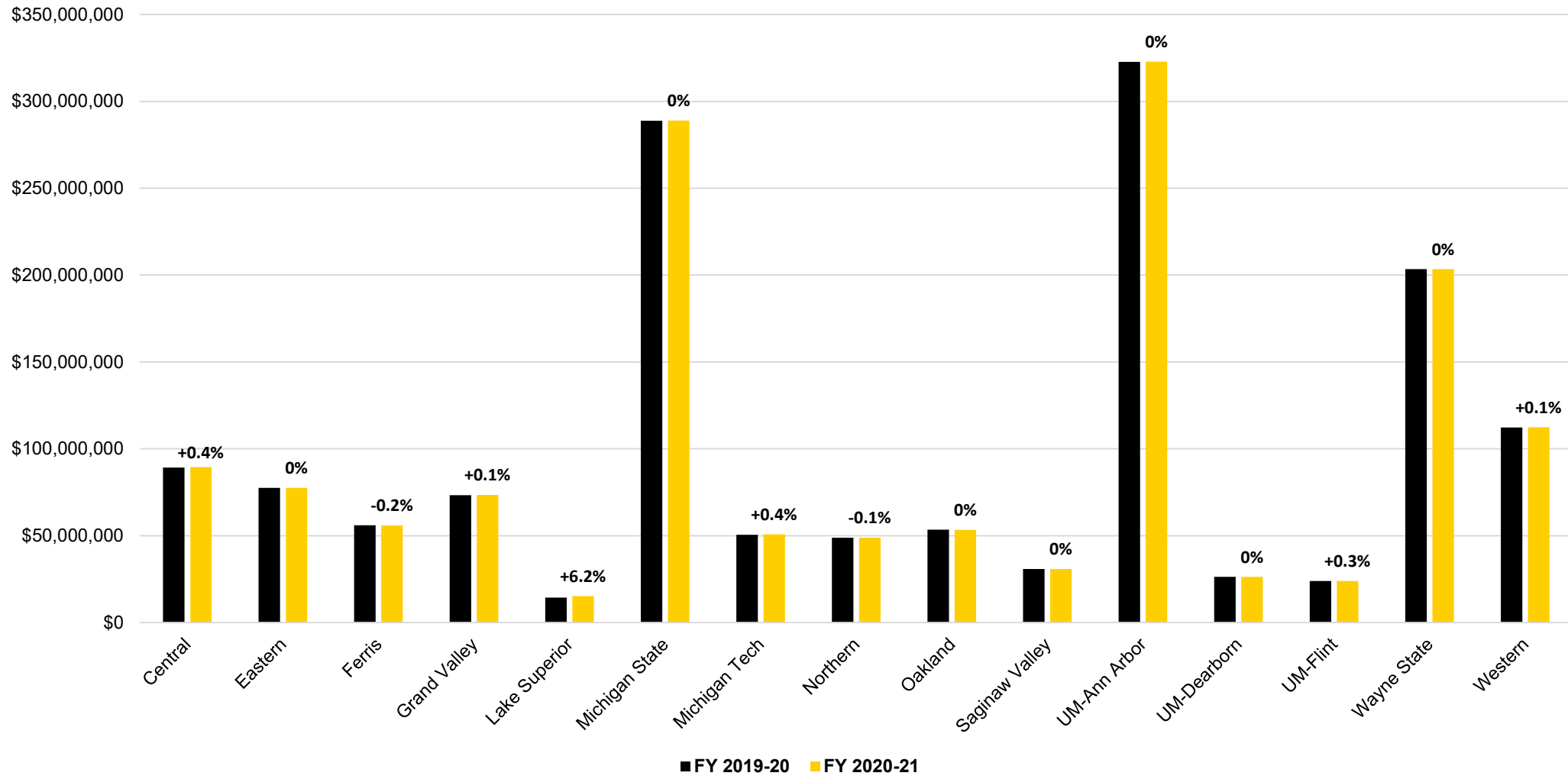
Labor and Economic Opportunity Budget

Sec. 1052. Coronavirus Relief Fund Grants – NEW Specifies one-time appropriation in part 1 for Coronavirus Relief Fund Grants shall be awarded to the following for eligible expenses:

Wolverine Human Services ($2.4 million)

Spectrum Human Services ($1.9 million)

Orchard's Children Services ($81,900)

Oakland Family Services ($77,100)

Ennis Center ($85,800)

Hospital UV Air Cleaner Grant Program ($2.0 million)

Michigan Tech COVID Testing Facility ($400,000)

Rapid COVID Testing ($3.0 million)

THANK YOU

IX-C. COVID-19 CONTACT TRACING AND TESTING
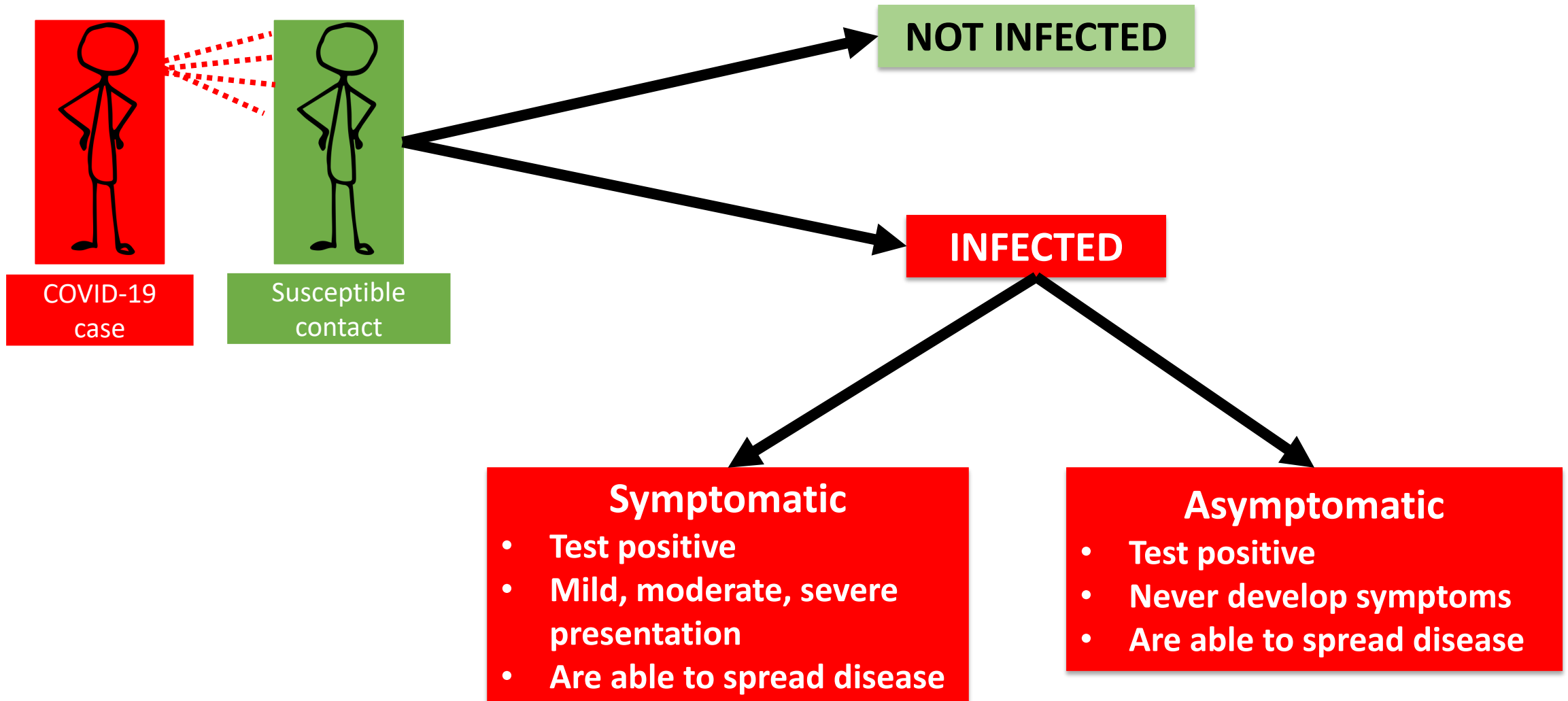
Kelly Kamm, Associate Professor KIP, Epidemiologist
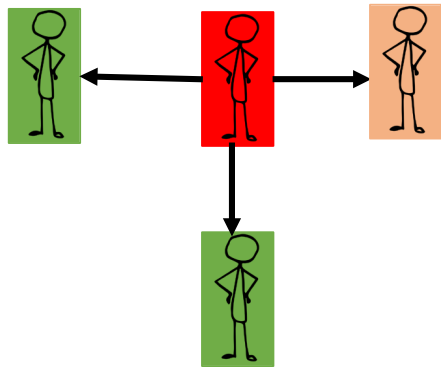
MTU Contact Tracing Team

Kelly Kamm, MHS, PhD

R_0 : Average number of cases from 1 person

- Daily contact rate
- Number of infectious days
- Depends on biology & behavior

Small household, stay-at-home
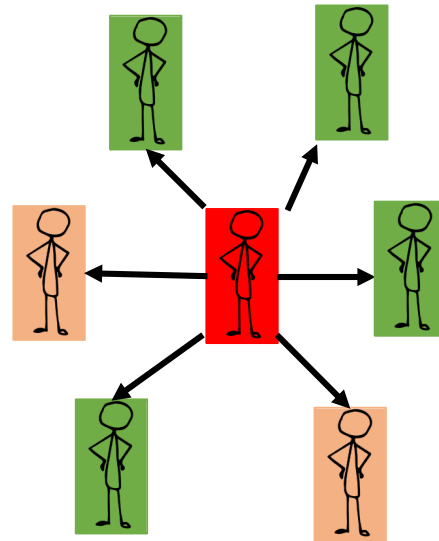
Small household, some outside contacts
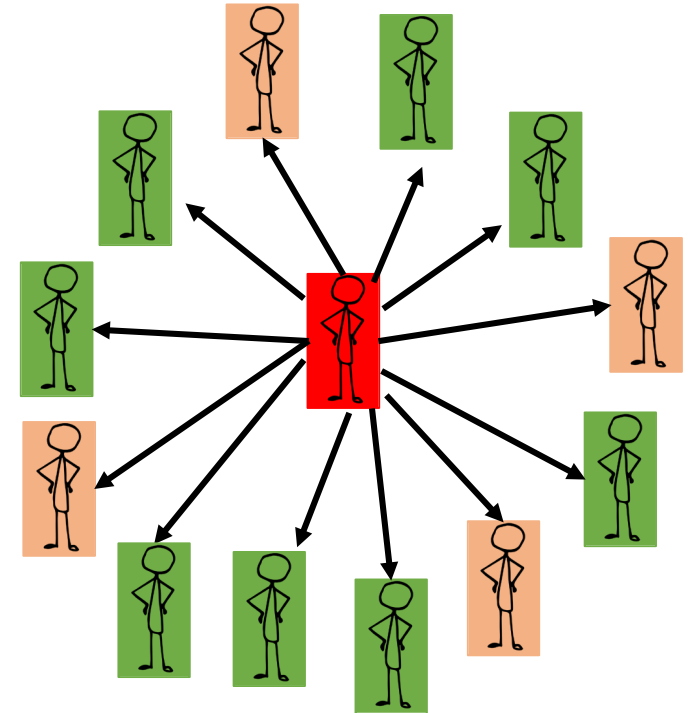
Large household, stay-at-home

Incubation and infectious periods
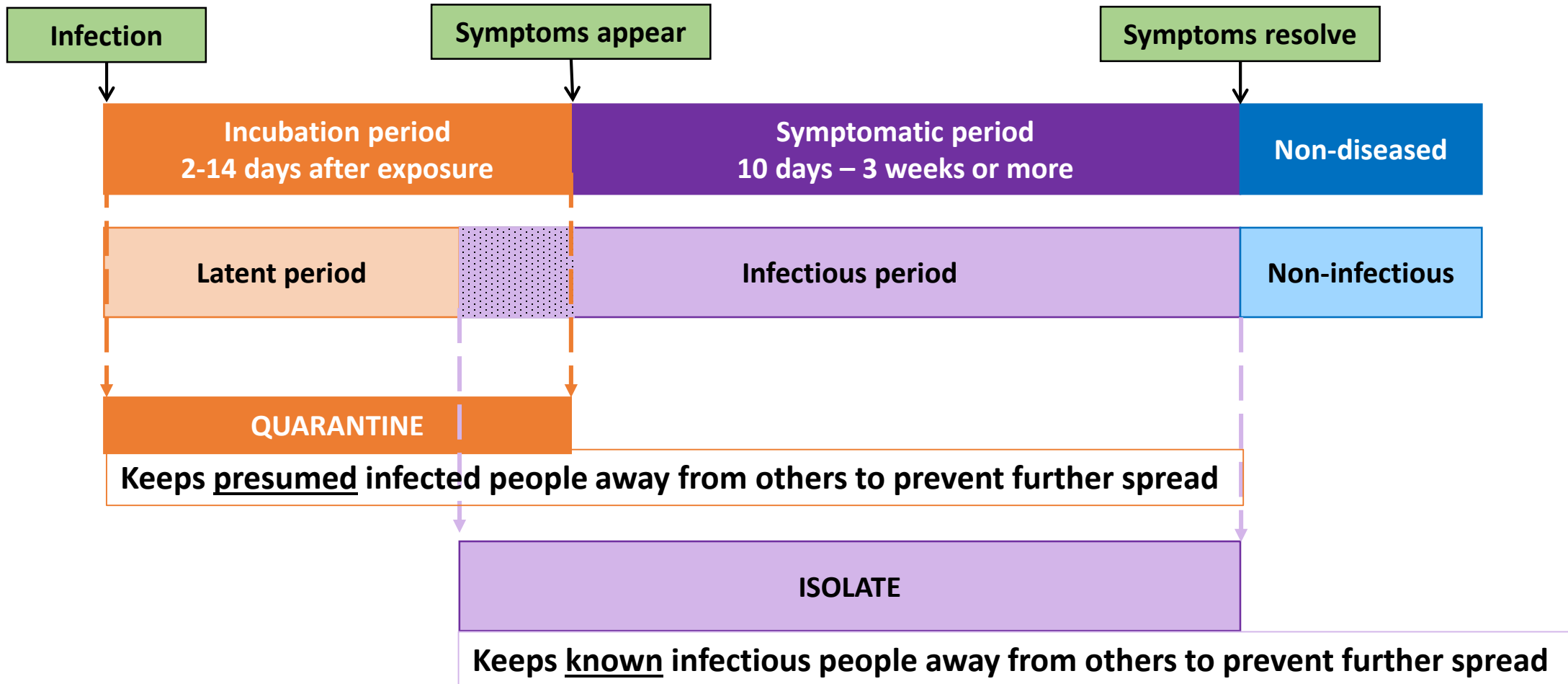
Stop the exposed from infecting others

Unknown which contacts are infected

Treat all contacts as if they are infected

Get the contacts away from others **_as quickly as possible during the latent period_**

(before the infected individuals are able to spread the disease)

Contact tracing: notifying the contacts of exposure to COVID-19 by health department
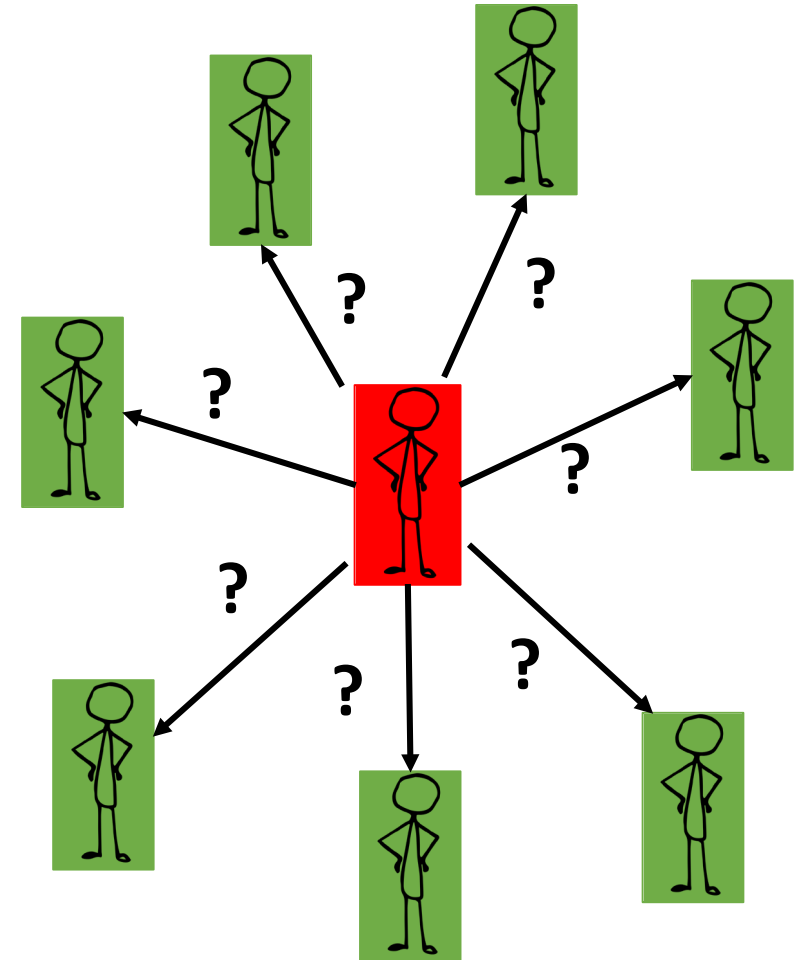
Containment of COVID-19 using quarantine

Contact tracing numbers

Number followed on any given day highly variable

- 20-40 new contacts per day

As of 10/2/2020

- 207 contacts on active follow-up list
- 84 contacts have become cases
- 679 individuals identified
  - Not all determined to be close contacts

Challenges

Timing
- Delayed notification → quarantined after they are infectious

Large numbers of household contacts

Incomplete information from cases on close contacts
- Lack of knowledge
- Purposeful withholding

IX-D. UNDERGRADUATE STUDENT GOVERNMENT

Larkin Hooker-Moericke, President

Undergraduate Student Government
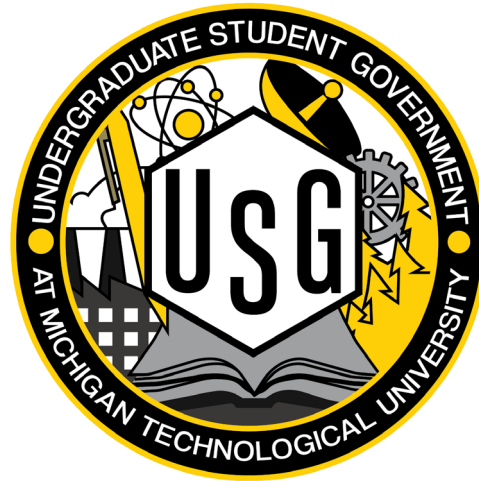
Larkin Hooker -Moericke, USG President
October 9th, 2020

Agenda

- USG Events
- Body Member Elections
- USG Initiatives

USG Events

- Meetings with President and Dean of Students

  - Discussed Flex semester -related student concerns

- K Day

  - Distributed voter registration and absentee ballot information and USG stickers

- Fall Body Retreat

  - Team building and goal setting with the body

- Voter Registration Drive

- Elections

Voter Registration Drive

- September 22nd
  - Ann Vollrath registered students
  - Three on-campus locations
  - Engaged with 200 students
- Will host 110th District Candidates
  - October 17th
  - Janet Metsa (D)
  - Rick Sauermilch (G)
  - Town hall style with opportunity for Q&A

Body Member Elections 2020

- Five new members
  - First Year Representatives (3)
  - College of Business
  - College of Sciences and Arts
- Sworn in on September 30th

USG Initiatives

- Cycle Project
  - Provide menstrual hygiene products in campus bathrooms
  - Partnership with Women's Leadership Council
  - Distributing liners provided by Kimberly Clark
- Dining Hall Sustainability
  - Encourage students to only use what they need
  - Encourage recycling
- Title IX Process and Procedures
  - USG members participating in mock reporting process

Thank you!

USG Undergraduate Student Government
At Michigan Tech

IX-E. GRADUATE STUDENT GOVERNMENT

Nathan Ford, President

Advocacy • Enrichment • Community

Graduate Student Government

Nathan Ford

Agenda

- Advocacy

- Enrichment

- Community

- Travel Grant Report

Advocacy

- COVID-19
  - CARES Giveback
  - COVID Kit Distribution
- International Students Concerns
- HuskyFAN
- Health Insurance
- Cost of Living
- Parental Leave/Childcare Resources
- Departmental Charter Amendments

Advocacy – Looking ahead

- Travel Grant Program

- Cost of Living

- Daniell Heights Contracts

- Sustainability

- Student Activity Fee

Enrichment

Virtual Alumni Reunion Poster Session

Laura Schaerer, PhD Student in Biological Sciences

Email: lgschaer@mtu.edu
Area of focus: Microbiology
Topic: Microbial Communities of Bilge Water, Boat Surfaces and Port Water: A Global Comparison.

Project Summary: Bacteria are ubiquitous in nearly every environment on earth. Microorganisms may live on the hull and in the bilge water of a boat, and very little is known about these bacterial hitchhikers. My research aims to understand how microbes from the port water may impact the microbial community on a boat's hull and bilge. In the largest boat microbiome study to date, we sampled boats and water in 20 ports on three continents to characterize the hull and bilge microbial communities on boats.

Watch presentation

Masoud Sarabi, PhD Student in Electrical and Computer Engineering

Email: msarabi@mtu.edu.
Area of focus: Electromagnetics, medical antennas and radar systems
Topic: Application of leaky wave antennas for medical hyperthermia and automotive FMCW mm-wave radar system.

Project Summary: Leaky wave antennas have proven to provide attractive low-cost and robust solutions in RF and microwave industry. These antennas enjoy frequency scanning capability which make them eligible for medical hyperthermia and also automotive antennas (instead of arrays).

Watch presentation

Sushree Dash, PhD Student in Physics

Email: ssdash@mtu.edu.
Area of focus: Magneto-optic materials
Topic: Surface reconstruction and electronic transitions in bismuth-substituted iron garnets.

Project Summary: Earlier Studies show a seven-fold increase in Faraday Rotation at the air-sample interface. It occurs at 2-4 nm from the surface. We are diving into the Physics of why this happens? To do so, we look into the XAS and XMCD data that we collected at Argonne National Lab with Circularly Polarized X-ray light source. We also look into the HAADF Fe ion images that we collected from S-TEM at Michigan Tech.

Watch presentation

Michigan Technological University

Graduate Student Government

Enrichment

Seminar Series

- Summer Seminar Series - 119 participants
- Teaching in a Virtual Environment - 81 participants
- Career Fair Prep - 54 participants
- Preparing the IDP
- Work and Family (Mental & Physical Health & Work/Life balance)
- Three Minute Thesis Prep with Past Winners
- Grant Writing

3 Minute Thesis

- November 3rd
- Virtual Preliminaries
- In Person Finals

Community

- Kayaking on the Portage

- Mountain Biking the Tech Trails

- Virtual Fall Color Tour

- Halloween Adventure Race

- Orienteering the Outdoors

Travel Grants

Travel Grant Stats (as of 9/18/20)

- Total Applications : 13 (PhD - 8, MS - 5)

  - Presenting - 6 (PhD - 5, MS - 1)

  - Attending - 7 (PhD - 3, MS - 4)

Career Enrichment Grant Stats

- Total Applications : 6 (PhD - 1, MS - 5)

Thank You

IX-F. UNIVERSITY SENATE

Sam Sweitz, President

University Senate
Fall 2020 Agenda

Samuel Sweitz, Senate President

Proposed Agenda Items

- Revisions to 506.1.1 Department Chair Evaluation

- Revisions to 710.1 Charters

- Proposal to establish the Committee on Promoting and Facilitating Equity and Understanding as a Senate Standing Committee

- Graduate Enrollment Leave Policy during COVID

- GTA Funding Requirements

- Career Fair Calendar Change

Proposed Agenda Items

- Recommendation for Graduate Student Shared Governance in Charters

- Resource Accountability for Proposed New Programs

- Recommendation on Structure for Merit/Cost of Living Raises

- Compensation Levels for Faculty

- Sabbatical Leave for Lecturers

- Voter Engagement Election Day Course Work Requirements

- 17 New Graduate Certificate Programs

- Ad hoc Committee to Review Senate Bylaws

X. INFORMATIONAL ITEMS

A.   Analysis of Investments
B.   Research & Sponsored Programs
C.   Advancement & Alumni Relations
D.   Media Coverage
E.   Employee Safety Statistics

X-A. ANALYSIS OF INVESTMENTS

MICHIGAN TECH UNIVERSITY
INVESTMENT PORTFOLIO
JUNE 30, 2020 THROUGH AUGUST 31, 2020

	Market Value 6/30/2020	Market Value 8/31/2020	Fiscal-Year Investment Return	Benchmark Return	Benchmark
Money Market Fund	$ 1,987,852	$ 2,028,139	0.02%	0.02%	*ICE BofA Merrill Lynch US T-Bill Index*
Equity Funds:					
Core Equity Fund	9,923,270	10,967,823	12.68%	13.23%	*S&P 500*
Commonfund Strategic Solutions Equity Fund	5,967,304	6,463,630	10.78%	13.23%	*S&P 500*
Total Equity Funds	15,890,574	17,431,453			
Fixed Income Funds:					
Intermediate Term Fund	8,254,386	8,111,455	0.39%	0.08%	*ICE BofA Merrill Lynch 1-3 Yr Treasury*
Commonfund Contingent Asset Portfolio	7,650,773	8,116,804	0.33%	0.08%	*ICE BofA Merrill Lynch 1-3 Yr Treasury*
High Quality Bond Fund	5,974,880	6,098,965	1.49%	0.67%	*Bloomberg Barclays US Aggregate Bond Index*
Total Fixed Income Funds	21,880,039	22,327,224			
Total	$ 39,758,465	$ 41,786,816	5.18%		

Current Asset Allocation

Cash Equivalents, 5%
Fixed Income - Short Duration, 39%
Equities, 42%
Fixed Income - Long Duration, 14%

Target Asset Allocation

Cash Equivalents, 5%
Fixed Income - Short Duration, 40%
Equities, 40%
Fixed Income - Long Duration, 15%
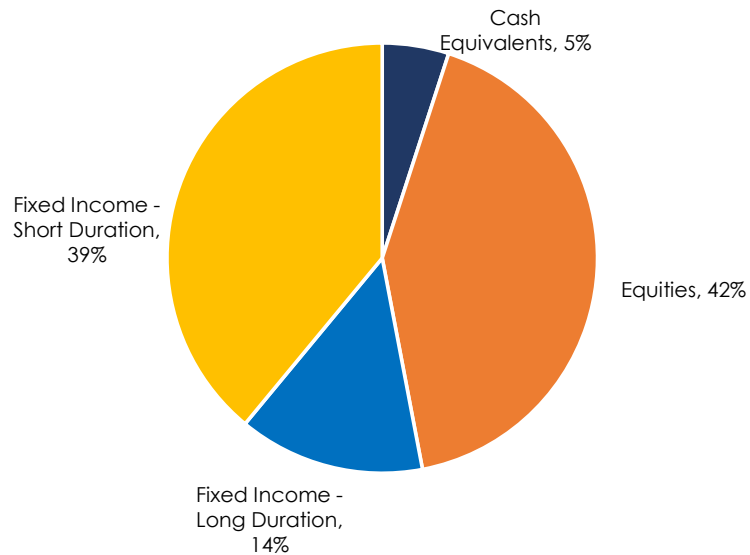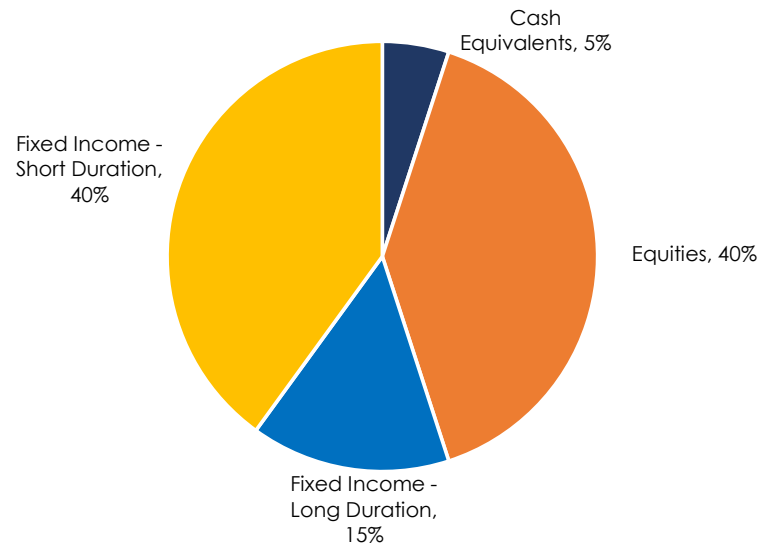
X-B. RESEARCH AND SPONSORED PROGRAMS

Sponsored Awards
Fiscal Year 2020
4th Quarter
Ended June 30, 2020
TOTAL: $71,814,093

Pre-Proposals Submitted

(excluded from Proposals Submitted figures below)

FYTD 2019: 77
FYTD 2020: 45

Pie chart labels:
- US Department of HHS 5,868,781
- US Department of Transportation 2,542,750
- Other Federal Agencies* 3,321,443
- US Department of Energy 6,796,614
- State of Michigan 3,761,931
- US Department of Education*** 4,664,393
- Industrial 5,933,873
- Foreign 1,501,603
- All Other Sponsors 1,110,667
- US Department of Defense 14,922,599
- NASA 6,882,291
- US Department of Agriculture 2,305,311
- National Science Foundation 8,612,051

Sponsor	Proposals Submitted		Awards Received		Awards Received ($)		Variance	Variance
	FY '20 as of 6/30	FY '19 as of 6/30	FY '20 as of 6/30	FY '19 as of 6/30	FY '20 as of 6/30	FY '19 as of 6/30	$	%
NASA	85	61	70	46	6,882,291	7,373,205	-490,914	-6.7%
National Science Foundation	133	156	52	48	8,612,051	8,899,557	-287,506	-3.2%
US Department of Agriculture	50	64	35	47	2,305,311	1,359,711	945,600	69.5%
US Department of Defense	113	127	97	112	14,922,599	14,176,299	746,300	5.3%
US Department of Education***	5	4	5	3	4,664,393	88,732	4,575,661	5156.7%
US Department of Energy	53	42	32	22	6,796,614	3,645,357	3,151,257	86.4%
US Department of HHS	54	66	19	11	5,868,781	2,829,867	3,038,914	107.4%
US Department of Transportation	14	17	13	16	2,542,750	2,859,357	-316,607	-11.1%
Other Federal Agencies*	54	62	48	56	3,321,443	4,360,524	-1,039,081	-23.8%
Federal Agency Total	561	599	371	361	55,916,233	45,592,609	10,323,624	22.6%
State of Michigan	40	51	29	31	3,761,931	2,556,834	1,205,097	47.1%
Industrial	175	218	150	195	5,933,873	8,743,736	-2,809,863	-32.1%
Foreign	22	26	12	19	1,501,603	1,187,810	313,793	26.4%
All Other Sponsors	88	88	47	50	1,110,667	2,550,014	-1,439,347	-56.4%
Subtotal	886	982	609	656	68,224,307	60,631,003	7,593,304	12.5%
Gifts**	N/A	N/A	233	275	3,569,565	3,152,856	416,709	13.2%
Crowd Funding	N/A	N/A	15	17	20,221	62,385	-42,164	-67.6%
Grand Total	886	982	857	948	71,814,093	63,846,244	$7,967,849	12.5%

* US Dept of the Interior, US Dept of Commerce, National Endowments for the Arts & Humanities, National Historical Records and Publications Commission, US Environmental Protection Agency, US Dept of Labor, Office of the Director of National Intelligence, US Dept of Homeland Security, US Small Business Administration, US Dept of State

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

*** US Department of Education includes $4,605,779 of CARES ACT funding received in Q4

Vice President for Research
Fiscal Year 2020
4th Quarter
Ended June 30, 2020

TOTAL: $71,814,093

Percentages of Tenured & Tenure Track Faculty (as either PI or Co-PI)

Submitting Proposals since 07/01/2019
66.7%

On Active Projects as of 6/30/2020
63.2%

Pavlis Honors College
280,224

Administration
9,019,375

Michigan Tech Research Institute
10,723,730

College of Business & Economics
56,053

College of Computing
2,365,660

Keweenaw Research Center
8,213,315

College of Engineering
24,877,821

Great Lakes Research Center
1,247,369

College of Sciences & Arts
10,665,677

College of Forest Resources & Env Science
4,364,869
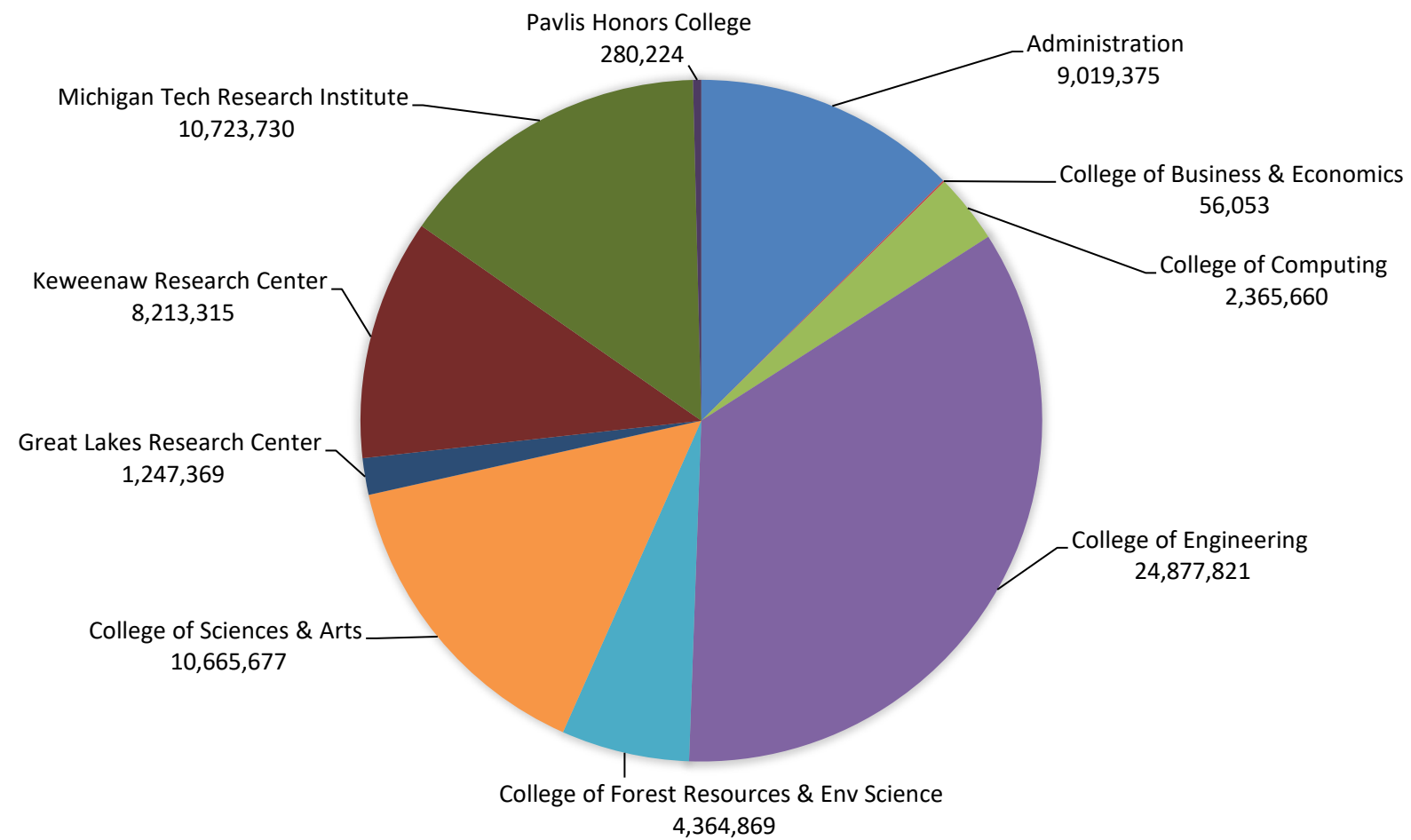
SPO & OIC Metrics[1]	Administration	College of Business & Economics	College of Computing	College of Engineering	College of Forest Resources & Env Science	College of Sciences & Arts	Great Lakes Research Center	Keweenaw Research Center	Michigan Tech Research Institute	Pavlis Honors College	School of Technology	Totals	Fiscal Comparison	Percent Change
Proposals Submitted	20	1	34	431	102	136	20	55	83	4	N/A	886	982	-9.8%
Awards Received	119	7	24	311	97	91	21	69	76	42	-	857	948	-9.6%
Federal*	5,601,701	-	1,966,284	11,932,692	2,747,663	8,529,724	-	5,444,330	5,084,495	-	-	41,306,889	31,367,489	31.7%
Federal Pass-Through	498,482	-	50,074	6,763,847	395,020	1,378,710	903,390	30,000	4,581,971	7,850	-	14,609,344	14,225,120	2.7%
Foreign	-	-	-	491,122	5,900	54,435	-	-	950,146	-	-	1,501,603	1,187,810	26.4%
Gifts	2,122,889	56,053	68,000	725,407	154,483	89,376	1,943	79,946	-	271,468	-	3,569,565	3,152,856	13.2%
Crowd Funding	-	-	3,455	7,350	879	-	3,700	3,931	-	906	-	20,221	62,385	-67.6%
Industry	-	-	234,847	2,158,811	710,578	83,080	315,946	2,420,611	10,000	-	-	5,933,873	8,743,736	-32.1%
Other	4,630	-	43,000	349,066	240,183	414,678	22,390	9,602	27,118	-	-	1,110,667	2,550,014	-56.4%
State of MI	791,673	-	-	2,449,526	110,163	115,674	-	224,895	70,000	-	-	3,761,931	2,556,834	47.1%
Total $ by Division	9,019,375	56,053	2,365,660	24,877,821	4,364,869	10,665,677	1,247,369	8,213,315	10,723,730	280,224	N/A	71,814,093	63,846,244	12.5%
Fiscal Comparison	3,755,305	35,500	N/A	29,346,340	3,320,485	7,115,074	425,497	7,430,453	11,354,568	794,768	268,254	63,846,244		
Percent Change	140.2%	57.9%	N/A	-15.2%	31.5%	49.9%	193.2%	10.5%	-5.6%	-64.7%	N/A	12.5%		
Disclosures Received[2]	-	-	4.00%	72.68%	-	23.32%	-	-	-	-	-	26	35	-25.7%
Nondisclosure Agreements	5	1	1	50	3	1	2	10	23	2	-	98	97	1.0%
Patents Filed or Issued[2]	-	-	-	73.07%	-	23.08%	-	-	3.85%	-	-	26	20	30.0%
License Agreements	4	-	-	13	-	-	-	-	-	-	-	17	21	-19.0%
Gross Royalties[2]	-	-	-	77.24%	-	13.79%	-	8.97%	-	-	-	221,391	334,790	-33.9%

* Federal award dollars include $4,605,779 received from US Department of Education CARES ACT funding
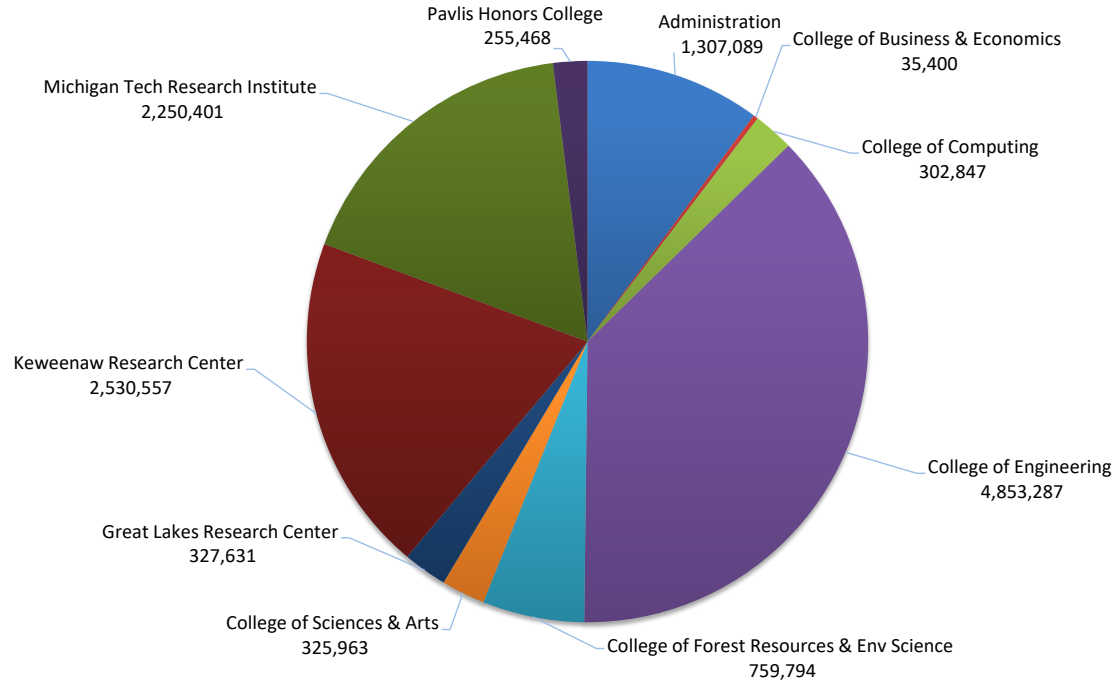
[1] Combined Metrics from both the Sponsored Programs Office (SPO) and Office of Innovation & Commercialization (OIC)

[2] Percentages reflect the proportional contribution from each Division (calculated by dividing the sum of the fractional contributions of all inventors for each unit by the total number of inventors).

Formal Session of the Board of Trustees - Agenda

Sponsored Awards
-Industry-
COMBINED
Fiscal Year 2020
4th Quarter
Ended June 30, 2020

TOTAL: $12,948,437

Pavlis Honors College 255,468
Administration 1,307,089
College of Business & Economics 35,400
Michigan Tech Research Institute 2,250,401
College of Computing 302,847
College of Engineering 4,853,287
Keweenaw Research Center 2,530,557
College of Forest Resources & Env Science 759,794
Great Lakes Research Center 327,631
College of Sciences & Arts 325,963

Sponsored Awards & Gifts	Administration	College of Business & Economics	College of Computing	College of Engineering	College of Forest Resources & Env Science	College of Sciences & Arts	Great Lakes Research Center	Keweenaw Research Center	Michigan Tech Research Institute	Pavlis Honors College	School of Technology	Totals	Fiscal Comparison	Percent Change
Automotive	217,500	29,400	199,847	1,797,902	816	-	-	2,337,741	-	162,615	-	**4,745,821**	6,580,016	-27.9%
Business & Economics	29,583	5,000	-	-	-	-	-	-	-	500	-	**35,083**	64,500	-45.6%
Chemical	74,500	-	-	164,461	442,500	-	-	-	-	-	-	**681,461**	726,867	-6.2%
Civil	147,500	-	-	104,000	-	-	9,742	500	-	1,000	-	**262,742**	817,477	-67.9%
Consumer Products	479,000	-	-	31,561	247,549	98,080	-	41,684	-	11,223	-	**909,097**	970,333	-6.3%
Defense & Space	22,500	-	-	987,550	-	-	-	41,990	1,839,295	7,500	-	**2,898,835**	3,338,440	-13.2%
Energy	74,125	-	-	131,684	-	18,000	315,946	-	-	8,000	-	**547,755**	952,846	-42.5%
Environmental	-	-	-	14,215	10,000	-	1,943	1,000	-	-	-	**27,158**	297,141	-90.9%
Health	10,850	-	35,000	232,500	-	-	-	44,017	-	-	-	**322,367**	219,791	46.7%
Industrial Engineering	6,000	-	50,000	124,300	10,000	-	-	9,960	66,107	-	-	**266,367**	176,098	51.3%
IT Services	6,430	-	18,000	116,500	-	148,885	-	9,165	-	-	-	**298,980**	638,933	-53.2%
Mining & Metals	11,500	-	-	151,981	3,429	-	-	43,500	-	50,000	-	**260,410**	875,765	-70.3%
Other	221,101	1,000	-	107,665	45,500	1,750	-	1,000	-	-	-	**378,016**	236,619	59.8%
Technology	6,500	-	-	888,968	-	59,248	-	-	344,999	14,630	-	**1,314,345**	1,283,738	2.4%
Total $ by Division	**1,307,089**	**35,400**	**302,847**	**4,853,287**	**759,794**	**325,963**	**327,631**	**2,530,557**	**2,250,401**	**255,468**	**N/A**	**12,948,437**	17,178,564	-24.6%
Fiscal Comparison	1,179,675	35,500	N/A	7,184,404	1,389,982	867,933	95,350	2,570,062	3,529,158	250,150	76,350	17,178,564		
Percent Change	10.8%	-0.3%	0.0%	-32.4%	-45.3%	-62.4%	243.6%	-1.5%	-36.2%	2.1%	N/A	-24.6%		

Michigan Technological University
Total PRELIMINARY Research Expenditures by College/School/Division
Fiscal Year 2020 & 2019
As of June 30, 2020 Period 14 and June 30, 2019 Period 14

College/School/Division	Preliminary FY2020	Preliminary FY2019	Variance	%
Administration*	2,346,630	4,765,280	(2,418,650)	-50.8%
College of Business	1,551,760	1,559,796	(8,036)	-0.5%
College of Computing	2,925,595	N/A	2,925,595	N/A
College of Engineering	29,761,464	31,461,566	(1,700,102)	-5.4%
College of Forest Resources & Environmental Science	5,070,043	5,417,651	(347,608)	-6.4%
College of Science & Arts	14,718,484	16,111,313	(1,392,829)	-8.6%
Great Lakes Research Center**	1,016,771	847,214	169,557	20.0%
Pavlis Honors College	515,516	649,719	(134,203)	-20.7%
Keweenaw Research Center (KRC)	9,543,097	9,103,014	440,083	4.8%
Michigan Tech Research Institute (MTRI)	10,478,063	9,488,525	989,538	10.4%
School of Technology	N/A	1,039,148	(1,039,148)	-100.0%
Total	**77,927,423**	**80,443,226**	**(2,515,803)**	**-3.1%**

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

**Includes GLRC department (non-academic researchers) expenditures only. All other GLRC center expenditures are shown in the researchers' respective colleges.

X-C. ADVANCEMENT & ALUMNI RELATIONS

Advancement and Alumni Engagement
Michigan Tech Board of Trustees Report
October 9, 2020

Advancement and Alumni Engagement

2020-2021 Goals and Initiatives to be achieved in collaboration with administrative and academic leadership and the Michigan Tech Fund Board of Directors.

- Set a goal to grow the endowment by _____ percent over _____ number of years
- Engage alumni, principal and major gift donors and corporate/foundation partners in a virtual environment
- Identify and cultivate principal gift donors for the Institute for Policy Ethics and Culture
- Strengthen our partnership with the Deans and academic units as Advancement further refines our fundraising initiatives

Recent Activity

- Fundraising total of $7.1 million as of 9/15/2020
- Major and Principal Giving frontline fundraisers are back on the road to make donor visits within driving distance. Travel is based on the donor's willingness to meet and is managed with the utmost care to maintain the safety of both the director and the donors. Active engagement continues virtually with gift conversations continuing and with gift closings in 2020 and 2021 anticipated.
- Focusing on changing our business model to reach our goals for FY21 and better position ourselves to plan for the next three years
- Continuing to conduct research to inform business intelligence efforts and the donor pipeline development
- Providing education about the benefits of giving under the CARES Act
- Supported the Weekly COVID-19 Town Hall series for community and campus September- December
- Hosted the first ever virtual alumni reunion with other virtual events to be held including a virtual book club.
- Developed Advancement Plans for each of the colleges and athletics
- Hired a new director of advancement for the College of Sciences and Arts
- Finalized a new naming policy
- Awarded $225,000 from the Great Lakes Sports Commission (GLSC) to initiate the first phase of the Tech Trail lodge project

Advancement and Alumni Engagement Recent Activity Continued

- Leveraged a major outright gift to support Athletics by launching a fundraising challenge campaign for the Champions Pavilion at Kearly Stadium
- Developing a mid-level donor outreach program comprised of email and personal outreach
- Received a Council for Advancement and Support of Education (CASE) award for Overall Improvement in the category Public Research/Doctoral Institutions with Endowments Under $215 Million
- The September issue open rate of the bi-monthly alumni newsletter was 34% for the over 60 segment with a click through rate of 44.6%

X-D. MEDIA COVERAGE

Media Report: July 17 to September 20, 2020
Michigan Technological University
Regular Meeting of the Board of Trustees
October 9, 2020

Overview

Articles	975
Social shares	~ 215.2K
Average engagement	220
Journalist shares	756
Journalist reach	~ 8.24M
Average unique visitors per month (UVM)	~ 4.18M
Total UVM	~ 4.08B

Between July 17 and September 20, 2020, a total of 975 online articles mentioned Michigan Technological University:

News Media Re t , MTU Bo d o f T ust ees Regular Meeting, Oct. 9, 2020 - Articles
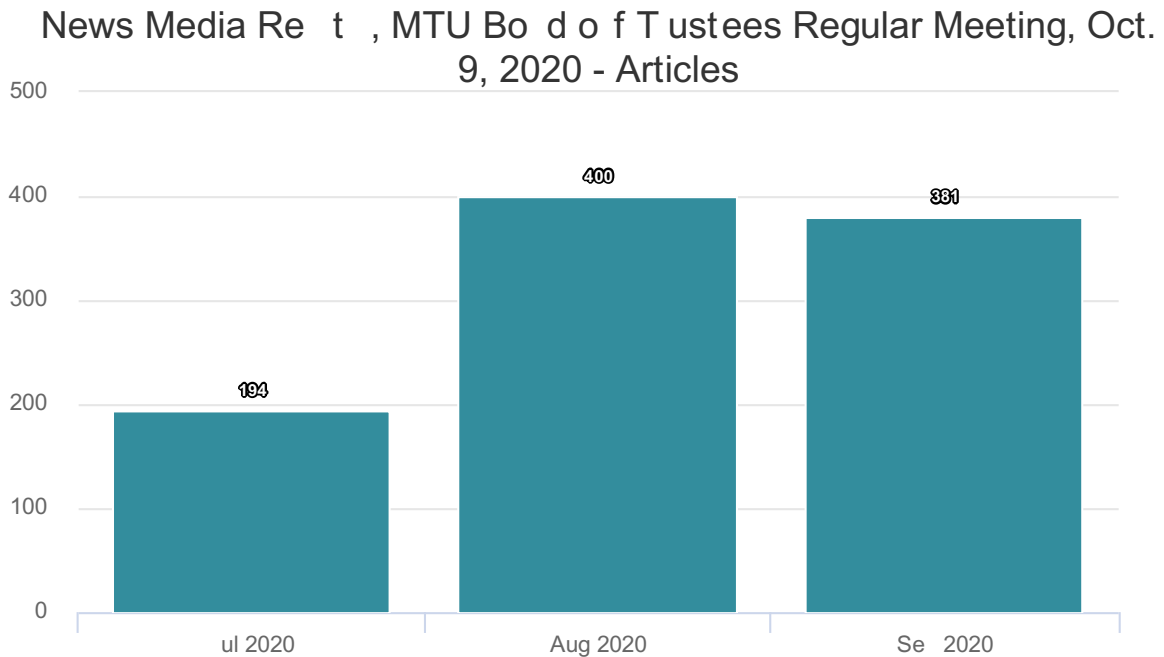
MUCK RACK

Those 975 articles were shared on social media more than 215,200 times, for an average engagement of 220 shares, reactions or comments per article:

News Media Re t , MTU Bo d o f T ustees Regular Meeting, Oct. 9, 2020 - Article Eng g ement
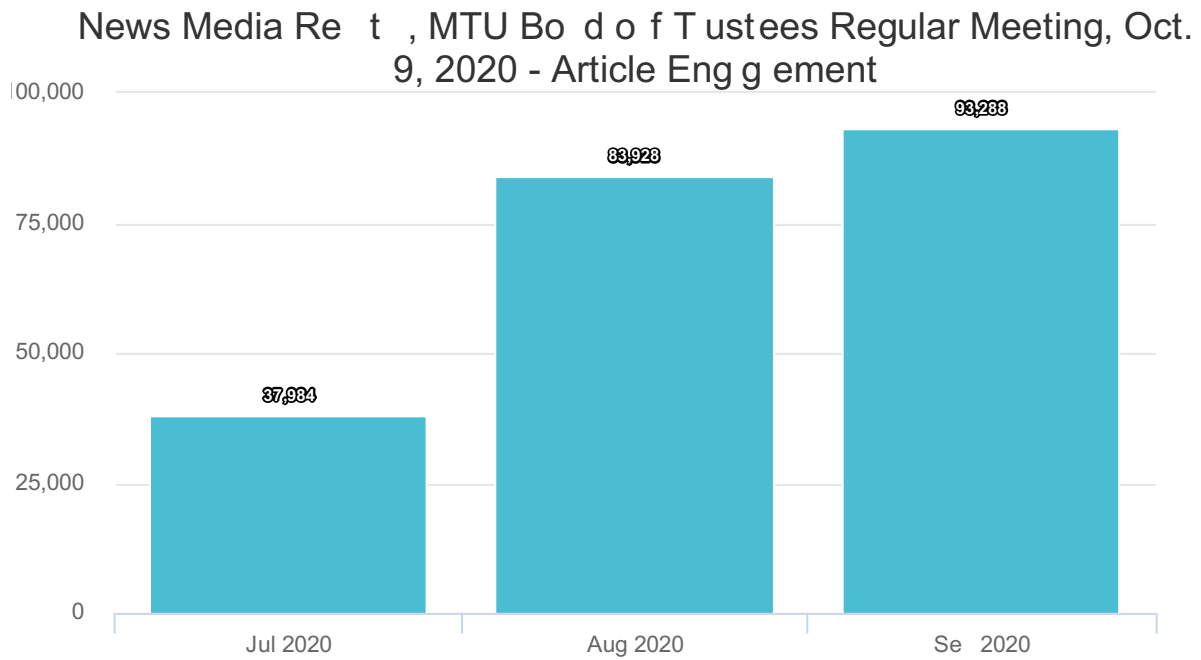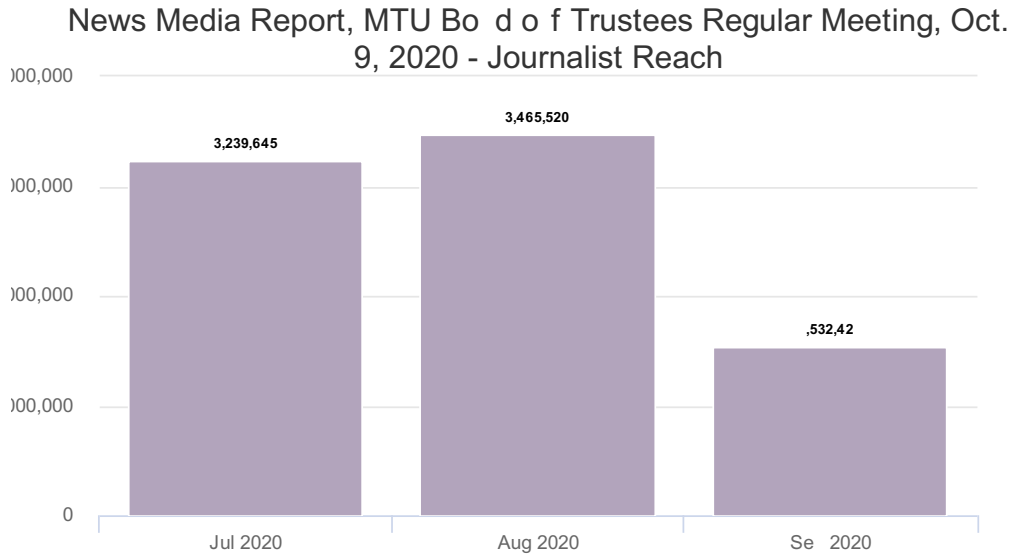
Journalists shared the articles on Twitter 756 times, resulting in a reach of nearly 8.24 million people:

News Media Re t , MTU Bo d o f T ustees Regular Meeting, Oct. 9, 2020 - Sh e s by Journalists

News Media Report, MTU Bo d o f Trustees Regular Meeting, Oct. 9, 2020 - Journalist Reach

000,000

3,239,645   3,465,520

000,000

000,000   ,532,42

000,000

0
          Jul 2020   Aug 2020   Se 2020
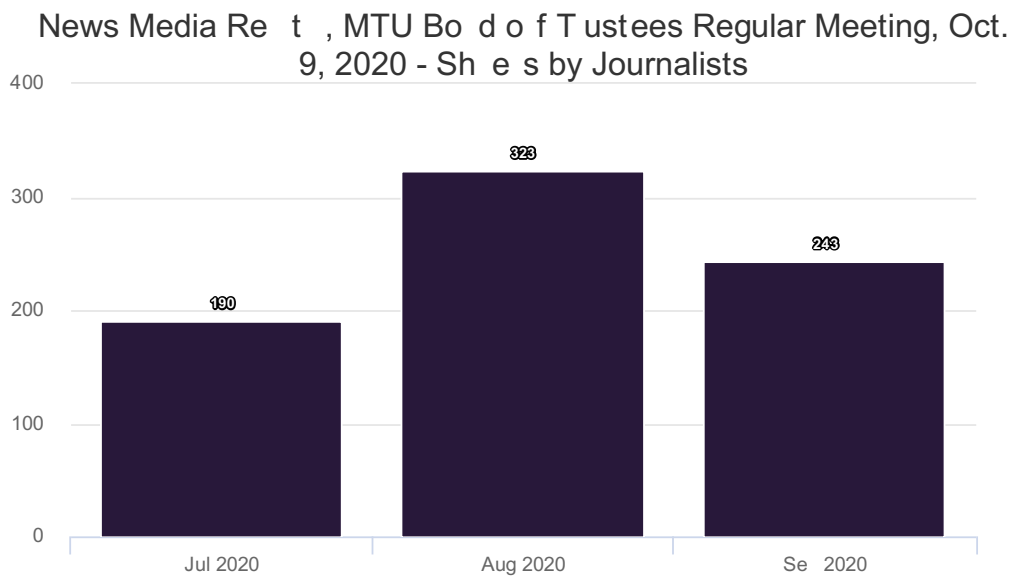
MUCK RACK

News Highlights:

General and Research News (non-COVID)
Michigan Tech was highlighted in an Economist article on advanced manufacturing in the Midwest:
- https://www.economist.com/special-report/2020/07/23/americas-mittelstand

CNBC listed Michigan Tech as one of the top 25 public universities that pay off the most:
- https://www.cnbc.com/2020/07/28/the-top-50-us-colleges-that-pay-off-the-most-in-2020.html

Guy Meadows (GLRC) served as an expert for the Chicago Tribune's "quick primer on Great Lakes water levels":
- https://www.chicagotribune.com/suburbs/evanston/ct-evr-cb-lake-michigan-water-levels-explainer-tl-0806-20200730-la4g4pbgffca7f6hdisf47sf7u-story.html

In August, the MTU Graduate Student Government's promise to match up to $10,000 in donations from other students to the Husky Emergency Assistance Fund, was the Michigan story in USA Today's News from around our 50 states:
- https://www.usatoday.com/story/news/50-states/2020/08/03/recycling-luxury-nut-surplus-free-degree-news-around-states/112749118/

Amy Marcarelli (BioSci), was quoted in the story "The life that springs from dead leaves in streams," in Knowable Magazine:
- https://www.knowablemagazine.org/article/living-world/2020/life-springs-dead-leaves-streams

Sarah Hoy (CFRES), was quoted in the story "What Wolves Can Teach Us About COVID and the Economy," in the Wall Street Journal:

- https://www.wsj.com/articles/what-wolves-can-teach-us-about-covid-and-the-economy-11597316400

William Rose (GMES) was quoted in the story "40 Years Ago: Lessons From the Eruption of Mount St. Helens," in Discover Magazine.
- https://www.discovermagazine.com/planet-earth/40-years-ago-lessons-from-the-eruption-of-mount-st-helens

Associated Press environmental writer John Flesher's story on the Isle Royale Winter Study was picked up by numerous media outlets across the country, including US News and World Report:
- https://www.usnews.com/news/us/articles/2020-09-14/relocated-isle-royale-wolves-form-groups-reduce-moose-herd

A news story on a UP firefighter who took 1,980 steps (equal to walking 110 stories of the World Trade Center in New York) at the MacInnes Ice Arena on Sept. 11, 2020, went viral:
- https://www.detroitnews.com/story/news/local/michigan/2020/09/13/upper-peninsula-firefighter-walks-arena-steps-mark-september/114007474/

MTU Flex and COVID-19-related News
Michigan Tech's COVID-19 Testing Lab, was featured in the story "How Michigan Tech brought COVID testing to the Upper Peninsula," on Michigan Radio:
- https://www.michiganradio.org/post/how-michigan-tech-brought-covid-testing-upper-peninsula

The Michigan Tech COVID-19 Testing Lab was mentioned and Caryn Heldt (ChE) quoted in a Michigan Radio news story on Michigan COVID-19 labs:
- https://www.michiganradio.org/post/some-michigan-labs-are-turning-away-covid-19-tests-order-deliver-fast-results

Michigan Tech's COVID-19 testing lab was featured in the story "MTU COVID-19 lab prepares to test student population" on WJMN TV3:
- https://www.upmatters.com/western-up/mtu-covid-19-lab-prepares-to-test-student-population/

A student-built mathematical model of COVID-19 spread on college campuses was featured on Michigan Radio's Stateside program on Sept. 16. The model was built during the spring semester in a course taught by Cécile Piret (Math):
- https://www.michiganradio.org/post/stateside-clerks-absentee-ballot-rule-changes-um-musical-pioneer-big-10-football-back

Michael Meyer, director of the William G. Jackson Center for Teaching and Learning, was quoted in the story "Mock classroom helping test COVID-19 practices for returning to class at MTU," on WLUC TV6:
- https://www.uppermichiganssource.com/2020/07/27/mock-classroom-helping-test-covid-19-practices-for-returning-to-class-at-mtu/

The work of David Holden and John Schneiderhan of the Van Pelt and Opie Library in developing face shields for Michigan Tech faculty was the topic of the story "MTU researchers design new mask for faculty," on WLUC TV6:

- https://www.uppermichiganssource.com/2020/07/24/mtu-researchers-design-new-mask-for-faculty

X-E. EMPLOYEE SAFETY STATISTICS

Michigan Technological University
1885

EMPLOYEE SAFETY STATISTICS YEAR-TO-DATE

Jan 1 - Aug 31, 2019/2020

	Category	Years	Employee Classification							
			AFSCME	**Faculty**	**Non-Exempt**	**POA**	**Professional**	**Temporary**	**UAW**	**Total**
Number of Recordable Injuries	Injury Only w/Medical - No Lost Time	2019	1	1	0	0	1	0	1	**4**
		2020	3	0	0	0	1	0	0	**4**
	Lost Time Cases	2019	6	1	0	0	1	0	0	**8**
		2020	3	0	0	0	2	0	1	**6**
	Restricted Work Cases	2019	2	0	0	0	0	0	0	**2**
		2020	2	0	0	0	0	0	0	**2**
	Occupational Safety and Health Administration (OSHA) Recordable Injuries (Total of above)	2019	**9**	**2**	**0**	**0**	**2**	**0**	**1**	**14**
		2020	**8**	**0**	**0**	**0**	**3**	**0**	**1**	**12**
Number of Days	Injury Lost Time 3	2019	61	9	0	0	16	0	0	**86**
		2020	27	0	0	0	64	0	1	**92**
	Restricted Work Days 3	2019	320	30	0	0	155	0	0	**505**
		2020	163	0	0	0	0	0	0	**163**
Hours Worked	Total Work Hours	2019	183,218	486,817	92,543	12,975	762,033	38,839	145,299	**1,721,724**
		2020	138,753	475,515	85,582	11,858	760,362	31,537	122,157	**1,625,764**
	Percentage of Work Hours	2019	**10.6%**	**28.3%**	**5.4%**	**0.8%**	**44.3%**	**2.3%**	**8.4%**	**100.0%**
		2020	**8.5%**	**29.2%**	**5.3%**	**0.7%**	**46.8%**	**1.9%**	**7.5%**	**100.0%**
Rates	Lost Time Case Rate 1	2019	**6.5**	**0.4**	**0.0**	**0.0**	**0.3**	**0.0**	**0.0**	**0.9**
		2020	**4.3**	**0.0**	**0.0**	**0.0**	**0.5**	**0.0**	**1.6**	**0.7**
	Frequency Rate 2 (Recordable)	2019	**9.8**	**0.8**	**0.0**	**0.0**	**0.5**	**0.0**	**1.4**	**1.6**
		2020	**11.5**	**0.0**	**0.0**	**0.0**	**0.8**	**0.0**	**1.6**	**1.5**

OSHA has established specific calculations that enable the University to report the Recordable Injuries, Lost Time Case Rates and Frequency Rates. The Standard Base Rate (SBR) calculation is based on a rate of 200,000 labor hours which equates to 100 employees who work 40 hours per week for 50 weeks per year. Using the SBR allows the University to calculate their rate(s) per 100 employees.

1 The Lost Time Case Rate is calculated by multiplying the number of Lost Time Cases by 200,000 then dividing by the labor hours at the University.

2 The Frequency Rate is calculated by multiplying the number of recordable cases by 200,000 then dividing by the labor hours at the University.

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

XI. OTHER BUSINESS

XII.   DATE OF NEXT FORMAL MEETING: DECEMBER 18, 2020

XIII. ADJOURN