MINUTES OF THE FORMAL SESSION OF THE BOARD OF TRUSTEES OF MICHIGAN TECHNOLOGICAL UNIVERSITY held pursuant to due call Ballroom B of the Memorial Union Building on the campus of Michigan Technological University in the City of Houghton, Michigan at nine o'clock on the morning of March 3, 2017.

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 3rd day of March, in Ballroom B of the Memorial Union Building. The place, hour, and date duly established and duly published for the holding of such a meeting.

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

The following members of the Board of Trustees were present:

T. J. Woychowski, Chair
L. D. Kennedy, Vice Chair
J. A. Frem (via conference phone)
R. J. Jacquart
B. L. Johnson
B. R. Ryan (via conference phone)
D. D. Sanders
S. M. Tomaszewski
G. D. Mroz, ex officio

Also present during part or all of the session were: Roberta Dessellier, Secretary of the Board; Julie Seppala, Treasurer; Jackie Huntoon, Provost and Vice President for Academic Affairs; David D. Reed, Vice President for Research; Ellen Horsch, Vice President for Administration; Les Cook, Vice President for Student Affairs and Advancement, and various members of the faculty, administrative staff, student body, press and public.

The meeting opened with the Pledge of Allegiance.

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 R. Jacquart, supported by B. Johnson, and passed by voice vote without dissent, that the agenda of the formal session of March 3, 2017, as distributed to the Board, be approved.

II. OPENING REMARKS

Chair’s Comments

I would like to welcome everyone to our spring Board meeting and I would to extend a special welcome to our two new Board members, Derhun Sanders and Steve Tomaszewski. Derhun graduated from Michigan Tech in 1997 with a bachelor of science degree in biological sciences. He is the Government Liaison and Congressional Lead for the U.S. Army Tank Automotive Research Development and Engineering Center (TARDEC). Steve is the Director of Real Estate and Facilities Operations for General Motors Company. He received a bachelor’s degree in environmental engineering from Michigan Tech in 1991 and a master’s from Wayne State University. You are truly welcomed additions to the Board and look forward to working with you both.

I would like to take a few minutes to remember a remarkable professor that passed away last fall. His name is Professor Aubrey Gibson who was an associate professor of mechanical engineering. I have many fond memories of him during my tenure as a student in the ME-EM Department. Most of all, I remember him as a no-nonsense person that embodied optimism, determination and a strong work ethic. When Professor Gibson entered a room, the room changed. He developed a “can-do educational culture” during his tenure at Michigan Tech.

I am sure that by today’s standards, some of his teaching methods might be called into question. In fact, bringing a loaded 1911 model Colt 45 semi-automatic pistol into the classroom on the first day of the semester, and firing a bullet into a piece of lumber to determine the muzzle velocity of the weapon using basic laws of physics would indeed be counter indicated. I am sure it would not only make the LODE and Daily Mining Gazette editions, above the fold, it would probably make for a national, if not global, news story. But where that particular demonstrative lesson surely would not translate into today’s campus norms, Professors Gibson’s passion to master his areas of study, and his passion to teach his students those truths and wisdom will never be outmoded or out of place. I hope that his deep commitment to his teaching profession, and to the students placed in his care, will never be outdated, and it is my hope that such admirable traits always remain a trademark of those who call Michigan Tech their home. In his honor, may we please have a moment of silence. Thank you.

I would like to mention a number of recent activities that continue to bring distinction to Michigan Tech. These include:

- A recent study highlighted that few Michigan Tech students default on their student loans. Michigan Tech’s default rate of 2.01 percent is more than 9
percent lower than the national average of 11.35 percent, according to Student Loan Report.net. Michigan Tech is doing a great job at setting up students to enter the job market and to be able to successfully repay any debt they may have incurred in their educational investment.

- Michigan Tech is one of 85 partners in a US Department of Energy-funded $70 million energy-saving project called the REMADE (Reducing Embodied-energy and Decreasing Emissions) Institute. The project’s goal is to drive down the cost of technologies needed to reuse recycle and remanufacture materials such as metals, fibers, polymers and electronic waste. Our Sustainable Futures Institute is coordinating the involvement of Michigan Tech faculty and staff in this multidisciplinary research initiative.

- Maryam Khaksari and Andriene Minerick are researchers taking the first step toward the development of a handheld device that measures your health by your tears. (There are many days I could use such a device…) This work is preliminary but shows promise for laying out trends in tear vitamin levels.

I would like to take a minute to thank Al Niemi for his 30 years of service at Michigan Tech and for his diligence and attention to the rules and regulations associated with occupational safety and health in keeping all of us at Michigan Tech uninjured.

I look forward to Ellen’s enhanced safety report that will follow shortly on our agenda as we continue to make the safety of everybody on our campus a dedicated focus of continuous improvement.

- *US News & World Report* ranked Michigan Tech’s online graduate engineering programs 47th in the nation in their 2017 Best Online Graduate Engineering Programs rankings.
- College Factual, a website that provides ranking, academics and outcomes information on colleges and universities, ranked six Michigan Tech degree programs top picks for veterans. Mechanical engineering and environmental engineering in the top 10 nationwide, and chemical, civil and computer engineering in the top 20. Electrical engineering was ranked in the top 40.

In concluding my opening comments, please allow me to share a couple of seemingly unrelated but interesting observations that I came across recently.

It seems that just about two years ago, in 2015, the number of cell phones in the world exceeded the world’s population. That is indeed a lot of phones, and it serves as a glaring example of how one relatively recent technology has become almost universally commonplace.

Another interesting development in 2015 was that a new world record was set. Interestingly enough, humans recorded brief moments of their lives with photos over one trillion times. That was 200 billion more than the year before. And we can safely assume, the majority of those pictures were taken with, of course, all the cell phones in circulation.
This story actually begins with an unassuming inventor and entrepreneur named George Eastman. As a young man in the late 1800’s, George Eastman fell in love with the emerging art and science of photography. While literally lugging heavy, expensive and multiple pieces of equipment around to record photographs, he decided to direct his attention to improving this technology. After much study, work, trials and investments, he mastered a “dry chemistry” that made taking high quality pictures much easier. In February of 1900, Eastman introduced a new product on the market and the Kodak “Brownie” box camera was born. The camera sold for $1.00, and a roll of film sold for fifteen cents. George Eastman, put a camera in every house, much like Ford would strive to put a car in every garage, and Jobs a computer in every household.

I find this story inspirational. A young man, driven by his desire to create a new and better way for people to conduct one little but important part of their lives, the ability to capture memories of significance and to hold them dear for a long time. He learned the governing laws of light and optics (physics) and materials and chemistry, and then applied them to not only create a new invention, but to bring his invention to fruition and create a tremendous company to manufacture and sell these marvels. Little did George Eastman know that someday, over a trillion pictures would be captured in a years’ time, and on devices far removed from his beloved Brownie. But one never knows what great flames can ensue from the ignition of just one particular match.

As we continue to superintend the progress and strategic forward paths of MTU, let us continue to create an environment where the fundamentals of science, technology, engineering and math are deeply ingrained into our students, a love for the arts and applications of such technologies are expressed, and a pervasive atmosphere of innovation, invention and entrepreneurial spirits abound.

Thank you, and I would like to ask President Mroz for his opening comments.

**President’s Comments**

Last week, public university presidents met with Governor Snyder and State Relations Officers’ to talk about our state’s future. High on the list of concerns for both the governor and the presidents were health care, immigration, and access and affordability to higher education as key to Michigan’s economy.

The Governor indicated he will be devoting much of his effort going forward to health care issues as there is much to be done on the issue outside the realm of clinical practice. So perhaps it’s not surprising that the Governor included Michigan Tech’s HSTEM Engineering and Health Technologies project in his budget for project planning.

But the real reason is that a lot of people on campus worked hard to get us into that spot where the puck was going to be. The Department of Technology Management and Budget, the State Budget Office, and the State Building Authority conducts a scoring evaluation of proposed projects from universities, community colleges and state agencies. Michigan Tech received the highest marks given to any state project in recent years for 1) enhancing the core mission of the institution (37.8 pts out of 40) and 2) supporting talent enhancement, job creation and economic growth in the state (36.6 pts out of 40). We will now work with the
legislators to answer questions that they may have on the project, and will be hosting several on campus this weekend and later in April. We expect that we will be called to testify to the Senate Capital Outlay committee.

On immigration, the Governor is fully supportive of efforts to bring talent to Michigan. Examples of success stories are not hard to find. Michigan continues to be an EB-5 state – not just part of Michigan but all of Michigan. Familiar names to Michiganders like Dow, Maasco and Meijer came up in the discussion – with over 150,000 employees combined currently - each was started by an immigrant. All universities are concerned that attitudes among people in other countries, and their perceptions of American attitudes, will negatively affect Michigan’s ability to compete in the world. We were pleased to hear that as we were meeting, Lt. Governor Calley was leading a trade mission to Mexico, and that Governor Snyder would be making trade mission return trips to China.

On the higher education accessibility and affordability issue, we thanked the governor for his support of an appropriation increase. Michigan Tech’s story is a particularly strong one of demand as we just held our ‘spring” career fair with over 900 recruiters on hand.

Money Magazine for example takes all 2400+ 4 year universities, deletes those with below median graduation rates, with financial difficulties, and with fewer than 500 students. That leaves 706 institutions. Michigan Tech ranks 90th among those 706 remaining private and public colleges and universities and in the top 50 public universities.

Now rankings are nice, but they don’t tell you a lot about how individuals might be affected.

A recent study by Stanford economist Raj Chetty, based on millions of anonymous IRS records (spanning 1999 to 2013) from families of college bound students and grads gives a glimpse of what that looks like for 2187 universities. I won’t go through the results for all 2187 universities this morning, but I will talk about our results

At Michigan Tech:

Less than 1% of our students come from families in the top 1% of family income – 2.2% end up there later in life. ($630k/yr)

About 38% come from families in the top 20% of family income; 61% of those students end up there later in life. ($110k/yr)

18% of students move up two or more income quintiles

And the chance a student moving from the bottom 20% to the top 20% is 47%

This is why access is important. This is why financial aid is important. This is why philanthropy is important.

With that in mind, I want to recognize our former board chair, Julie Fream and her husband Rob who could not be with us today, for their investments in the Theta Chi Epsilon Scholarship and the Fream-Lawrence Endowed Scholarship Fund as well as the annual fund
and the mineral museum. Julie and Rob, welcome to the Founders Society and thank you for your substantial gifts to support Michigan Tech Students.

Let me leave you with one closing thought regarding appropriation increases. Last year an estimated 56% of our graduates were placed in a job within the state. That's just under 1000 students....and true, last year was a record graduating class of Bachelors, Masters and PhD students.

With those grads making the average starting salary from Michigan Tech, of $63,800 a year, this new class of knowledge-based economy workers will earn a collective $60MM. Last year, Michigan Tech received $48MM in appropriations. What will the state receive in return for its investment? Somewhere around $2.5MM in income from those career ready professionals – from just one graduating class..... About a 5.2% return from just.... One.... class. And there are many more classes of Huskies out there doing the same.

III. COMMITTEE REPORTS

A. Academic Affairs Committee Report

Ms. Linda Kennedy, Chair of Academic Affairs Committee, reported that the Committee reviewed the nominations for Emeritus rank for Dr. Mary Durfee, and Dr. Bruce Pletka and will recommend Board approval. Dr. Huntoon presented revised procedures for emeritus nomination. An update on the Capital Outlay Plan was given.

The Committee discussed AAC Strategic Question #3: “Does the University’s overall budget reflect and support the academic priorities?”; heard reports from Mr. Michael Meyer, Director of the Jackson Center for Teaching and Learning on teaching evaluations; a report from Mr. Jeff Toorongian, Associate Director of the Jackson Center for Teaching and Learning on teaching accessibly and a research update from Dr. Dave Reed. The meeting ended with discussion with the University Senate, USG and GSG Presidents.
30 Years of Continuous NSF Funding

Alexander Kostinsky
Professor of Physics

- PI for 16 awards totaling $1,709,862
- Specializing in Atmospheric Physics
- Instrumental in establishing Atmospheric Physics group

New Accessible Technology Coordinator

Jeff Toorongian

- Need for Position
- Legal Risks to Michigan Tech
- Key Functions for the Coordinator

Chemical Stores Facility
Fall 2016 Enrollment & % Change from Fall 2015

<table>
<thead>
<tr>
<th></th>
<th>Undergrad</th>
<th>Masters</th>
<th>PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY07:17</td>
<td>+1.9%</td>
<td>-3.4%</td>
<td>-7.4%</td>
</tr>
<tr>
<td>FY16:17</td>
<td>5,829</td>
<td>904</td>
<td>514</td>
</tr>
</tbody>
</table>

% Change in Ugrad Enrollment: FY07:17 & FY16:17

% Change in Grad Enrollment: FY07:17 & FY16:17
Research and Sponsored Programs Report

Dr. Dave Reed introduced Marilyn Clark, CEO of the MTEC SmartZone. She gave a brief overview of the company, a non-profit business and technology incubator comprising the cities of Houghton and Hancock, and announced that the Michigan Economic Development Corporation (MEDC) has approved a 15-year extension of funding. Dr. Reed then provided the Board with the following report.
Sponsored Awards, 2nd Quarter FY17

Research Expenditures, 2nd Quarter FY17

Intellectual Property, 2nd Quarter FY17
Corporate Sponsorship, 2nd Quarter FY17

Administrative Efficiency/Workload Reduction

- Benchmarking
- Project Payroll Certification
- Micropurchase Threshold

Benchmarking

FEDERAL DEMONSTRATION PARTNERSHIP (FDP)

2012 Faculty Workload Survey
RESEARCH REPORT
Benchmarking - % Research Time Spent on Administrative Duties

<table>
<thead>
<tr>
<th></th>
<th>Michigan Tech (n=37)</th>
<th>Res High &lt;$80 MM</th>
<th>National</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposal Prep</td>
<td>15%</td>
<td>16%</td>
<td>15%</td>
</tr>
<tr>
<td>Pre-Award</td>
<td>4%</td>
<td>5%</td>
<td>7%</td>
</tr>
<tr>
<td>Post-Award</td>
<td>20%</td>
<td>17%</td>
<td>14%</td>
</tr>
<tr>
<td>Reporting</td>
<td>11%</td>
<td>9%</td>
<td>7%</td>
</tr>
<tr>
<td>Total</td>
<td>50%</td>
<td>48%</td>
<td>42%</td>
</tr>
</tbody>
</table>

Benchmarking

- Michigan Tech faculty responding to the survey felt they could recover 4.5 hours per week if given additional assistance with administrative duties.
- Given the small sample size, the Research Advisory Council (RAC) will be conducting a faculty survey to drill down deeper to: 1) verify the results; and 2) obtain more information on specific support needs.

Project Payroll Certification

- Under the leadership of Julie Seppala and Tammy LaBissioniere Michigan Tech was one of four schools nationwide (George Mason, UC-Irvine, UC-Riverside, Michigan Tech) that participated in the FDP's Project Payroll Certification Pilot that developed an alternative method for certifying labor expended on federal projects.
Project Payroll Certification

• Based on the Pilot, the Office of Management and Budget revised federal regulations allowing all institutions to adopt the new method.

• Specifically, the results for Michigan Tech were:
  - A reduction of certification forms from 7,000 per year to 700 per year (90% reduction)
  - A reduction in administrative follow-up required from about 3,500 forms per year under the old method to about 35 forms per year under the new method (99% reduction)

Micropurchase Threshold

• Micropurchase Threshold
  - OMB issued a new regulation that would have required competitive bids and associated recordkeeping on all purchases from $3,000 and up on federal projects.
  - National university organizations collected data demonstrating that changing to a $10,000 threshold would still cover over 80% of the expenditure while exempting over 80% of the transactions

• Senator Peters was co-sponsor of the American Innovation and Competitiveness Act. Brent Burns, Director of Federal Relations, worked with Federal Science Partners and the Senator’s staff and an amendment raising the micropurchase threshold to $10,000 was added to the AICA.

• A similar effort was undertaken by others during the development of the Defense Authorization Act
Micropurchase Threshold

- The DAA was signed into law in December and the AICA was signed into law in January. These acts instruct OMB to revise the regulation to raise the micropurchase threshold to $10,000.

Student Affairs and Advancement Report

Dr. Les Cook provided the Board with the following report.

Spring Enrollment 2005-2017
Executive Order 13769

- Signed January 27, 2017 and then revised/restated
- Overview:
  The executive order prevents people from Iran, Iraq, Syria, Somalia, Libya, Sudan, or Yemen from applying for a new visa or changing to a different visa category, with the exception of diplomats and international officials, and bars re-entry to the U.S. for current visa holders.
  It also suspends the U.S. Refugee Admissions Program for 120 days, with Syrian refugee admissions suspended indefinitely. Additionally, the order suspends the Visa Interview Waiver Program (VIWP), so all nonimmigrant visa applicants must attend an interview (unless not required by statute) to receive a visa.
- Currently suspended by the 9th Court of Appeals; it is unclear if an appeal is pending or if an additional order will follow

Michigan Tech’s Response

- Informed affected students of the possibility of the order prior to signing; released an email advisory following signing
- President Mroz issued a statement
- UMC/IPS website:
  - Timeline of university actions to date
  - List of on-campus support resources
  - Frequently Asked Questions page

Michigan Tech’s Response

- University Marketing and Communications held a media training session, as many students were contacted by media (including one featured in the New York Times), offered affected students to share their story via the Unscripted blog
- Department of Public Safety and Police Services issued a statement on their support for all students and where to report threatening behavior
- University Senate passed “Sense of Senate Resolution in Support of our International Colleagues and Students”
- Michigan Tech signed a letter circulated by the American Council on Education addressed to U.S. Department of Homeland Security Secretary Kelly
Michigan Tech Impact

- Approximately 75 students, faculty, and staff were directly affected by the original executive order; close to 300 more students have received admission for summer and fall (information not released publicly)
- Iran is the 3rd largest international student population on campus
- One student's wife was denied boarding to the U.S., while the mother of another student arrived but was turned away by Customs & Border Patrol
- Increase in the number of students (of all origins) who have reported unwelcoming or harassing behavior on campus or in the community
- Many have expressed support; Graduate Student Government held an initial forum immediately following the signing. Iranian Community (IRC) student organization organized a Unity March, others are facilitating cultural exchange
CIVIC ENGAGEMENT

Our students are working to make a difference in our community and developing the combination of knowledge, skills, values, and motivation to make that difference.

- In 2016, the Husky Amateur Radio Club performed 3,658 hours of community service - assisting at events such as the Great Bear Chase and the Parade of Nations.
- In fall 2016, Order of Omega hosted a blood drive on campus which collected a total of 450 pints of blood which could help save up to 1,350 lives.
- In fall 2016, members of 77 student organizations totaling 447 students participated in Poles a Difference Day at 40 different service sites throughout the Keweenaw.
- In fall 2016, the Fraternity & Sorority community raised a total of $31,039 for local and national philanthropic organizations.

CAMPUS ENGAGEMENT

Our students are getting involved outside of the classroom and developing numerous skills including leadership, communication, delegation, and program planning while creating affinity for Michigan Tech.

- When surveyed - As a result of participating in campus activities:
  - 76.4% of students felt a part of the campus community
  - 72.5% of students felt that their satisfaction with their collegiate experience improved
  - 49.1% of students felt they would be more likely to participate in alumni events after graduation

**FY17 Funds Raised by Category**

As of January 31, 2017

<table>
<thead>
<tr>
<th>Category</th>
<th>FY17 Raised</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major (41%)</td>
<td>$12,311.00</td>
</tr>
<tr>
<td>Planned (26%)</td>
<td>$10,500.00</td>
</tr>
<tr>
<td>Annual Giving (67%)</td>
<td>$9,000.00</td>
</tr>
<tr>
<td>Corporate Sponsored Research (78%)</td>
<td>$7,500.00</td>
</tr>
<tr>
<td>Corporations (84%)</td>
<td>$6,000.00</td>
</tr>
<tr>
<td>Foundations and Other (13%)</td>
<td>$4,500.00</td>
</tr>
<tr>
<td>Gifts In Kind (9%)</td>
<td>$3,000.00</td>
</tr>
</tbody>
</table>

Total Raised: $36,311.00
Total Goal: $56,000.
Total Funds Raised FY 2009-2017
As of January 31, 2017

Planned Giving Registry Historical Total
1986-2017
Developing a Safety Culture in a Lean Environment

Ms. Ellen Horsch provided the Board with the following report.

Lean is continuous improvement.

Taking Time and Strategy to Develop a Safety Culture Through a Lean Environment

- 2011 Copper Country Lean Group established
- 2012 Grant from the Federal Mediation and Conciliation Service established
- 2013 Leaders in Continuous Improvement (LCI) student organization formed
- 2014 Presidential Committee on University Safety & Environmental Health renamed as University Safety Advisory Council
- 2015 PureSafety software system implemented
- 2017 Safety Dashboard designed and developed

Employee Safety Statistics Report delivered to the Board of Trustees
### Employee Safety Statistics Comparison Between 2011 & 2016

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA recordable cases</td>
<td>17</td>
<td>11</td>
</tr>
<tr>
<td>Lost Time Case Rate</td>
<td>0.59</td>
<td>0.5</td>
</tr>
<tr>
<td>Average Payroll</td>
<td>$360,432.27</td>
<td>$211,160.37</td>
</tr>
</tbody>
</table>

- OSHA recordable cases: Number of cases that result in a recordable injury in a year.
- Lost Time Case Rate: Ratio of lost time cases to payroll hours worked.
- Average Payroll: Average payroll cost for the year.

### The University’s Strategic Plan

**Goal 1:** An exceptional and diverse community of students, faculty, and staff.

1.3 Exceptional services and infrastructure.

- Promote a university-wide culture of safety, responsiveness, effectiveness, and efficiency.

[Link to framework](https://www.mtu.edu/strategic-framework/)

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Employee involvement is the heart of **Lean @ Michigan Tech.**
It Takes a Community to Change a Culture

The University Safety Advisory Council

[Images of people in a facility and a yard with a sign reading "Systems Control"]
B. Audit and Finance Committee Report

Mr. Bob Jacquart reported that the Audit and Finance Committee has met twice since the last board meeting.

The Committee reviewed the Financial Position and outlook for Fiscal Year '17 which included the second quarter financial results and projections for the general fund and current fund and the cash position for the University. At this time the results are positive for both the general fund and the current fund. Julie Seppala, the Treasurer to the Board of Trustees, will present a high level review of the second quarter financial results.

The committee discussed the Fiscal Year '18 budget planning parameters which included the Governor’s budget recommendations of higher education appropriations and tuition caps, enrollment projections and long-term planning targets.

The committee reviewed the resolution approving conveyance of property for the general campus renovations project and will recommend approval by the Board. On an annual basis, the committee reviews historical trends for revenues, expenses and investments and they also reviewed the five-year historical metrics and the five-year targets for enrollment, employment, diversity and the dashboard metrics.

The meeting ended with discussion with the University Senate, USG and GSG Presidents.

Other items reviewed by the Audit & Finance Committee:
- Capital Projects Update
- Open Internal Audit Report Observations
- Quarterly Report on Continuous Improvement Using Lean Principles
Treasurer's Report

Ms. Julie Seppala provided the following report.

Balance Sheet
Condensed Statement of Net Position
as of December 31, 2016
(In thousands)

<table>
<thead>
<tr>
<th>Assets</th>
<th>University</th>
<th>Tech Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Assets</td>
<td>$ 86,338</td>
<td>$ 5,328</td>
<td>$ 101,167</td>
</tr>
<tr>
<td>Deferred Pension Amounts</td>
<td>$ -</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total Current Assets</td>
<td>$ 86,338</td>
<td>$ 5,328</td>
<td>$ 101,167</td>
</tr>
<tr>
<td>Capital Assets, net</td>
<td>$ 238,654</td>
<td>-</td>
<td>$ 238,654</td>
</tr>
<tr>
<td>Deferred Pension Amounts</td>
<td>$ -</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total Capital Assets</td>
<td>$ 238,654</td>
<td>-</td>
<td>$ 238,654</td>
</tr>
<tr>
<td>Other Noncurrent Assets</td>
<td>$ 57,272</td>
<td>$ 12,923</td>
<td>$ 69,195</td>
</tr>
<tr>
<td>Deferred Pension Amounts</td>
<td>$ -</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total Other Noncurrent Assets</td>
<td>$ 57,272</td>
<td>$ 12,923</td>
<td>$ 69,195</td>
</tr>
<tr>
<td>Total Assets</td>
<td>$ 452,265</td>
<td>$ 128,655</td>
<td>$ 580,920</td>
</tr>
</tbody>
</table>

Deferred Outflows of Resources
Deferred Pension Amounts | $ 4,643 | - | $ 4,643 |
Total Deferred Outflows of Resources | $ 4,643 | - | $ 4,643 |

Liabilities
Current Liabilities | $ 87,111 | $ 1,243 | $ 88,354 |
Deferred Pension Amounts | $ - | - | - |
Total Current Liabilities | $ 87,111 | $ 1,243 | $ 88,354 |

Deferred Inflows of Resources
Deferred Pension Amounts | $ - | - | - |
Total Deferred Inflows of Resources | $ - | - | - |

Net Position
Investments in capital assets, net of related debt | $ 164,165 | - | $ 164,165 |
Other net position, restricted and unrestricted | $ 2,070 | $ 130,633 | $ 132,703 |
Total Net Position | $ 166,235 | $ 130,633 | $ 296,868 |

Income Statement
Condensed Statement of Revenues, Expenses and Changes in Net Position
as of December 31, 2016
(In thousands)

<table>
<thead>
<tr>
<th>Operating Revenues</th>
<th>University</th>
<th>Tech Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Tuition and Fees</td>
<td>$ 94,831</td>
<td>-</td>
<td>$ 94,831</td>
</tr>
<tr>
<td>Grants and Contracts</td>
<td>$ 18,663</td>
<td>-</td>
<td>$ 18,663</td>
</tr>
<tr>
<td>Educational Activities</td>
<td>$ 5,449</td>
<td>-</td>
<td>$ 5,449</td>
</tr>
<tr>
<td>Departmental Activities</td>
<td>$ 5,294</td>
<td>-</td>
<td>$ 5,294</td>
</tr>
<tr>
<td>Student Residence Fees</td>
<td>$ 15,878</td>
<td>-</td>
<td>$ 15,878</td>
</tr>
<tr>
<td>Total Operating Revenues</td>
<td>$ 150,555</td>
<td>-</td>
<td>$ 150,555</td>
</tr>
<tr>
<td>Operating Expenses</td>
<td>University</td>
<td>Tech Fund</td>
<td>Total</td>
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<tr>
<td>Student Tuition and Fees</td>
<td>$ 53,119</td>
<td>-</td>
<td>$ 53,119</td>
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<td>Grants and Contracts</td>
<td>$ 19,740</td>
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<td>$ 19,740</td>
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<tr>
<td>Educational Activities</td>
<td>$ 69,783</td>
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<td>$ 69,783</td>
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<tr>
<td>Departmental Activities</td>
<td>$ 52,119</td>
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<td>$ 52,119</td>
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<tr>
<td>Total Operating Expenses</td>
<td>$ 124,642</td>
<td>-</td>
<td>$ 124,642</td>
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<tr>
<td>Nonoperating Revenues</td>
<td>$ 26,958</td>
<td>-</td>
<td>$ 26,958</td>
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<tr>
<td>Change in Net Position</td>
<td>$ (7,067)</td>
<td>-</td>
<td>$ (7,067)</td>
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<tr>
<td>Net Position, Beginning</td>
<td>$ 294,819</td>
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<tr>
<td>Net Position, End</td>
<td>$ 287,752</td>
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<td>$ 287,752</td>
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FY2017 Current Funds
Projected Revenues, Expenses & Change in Net Assets
(In thousands)

<table>
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<tr>
<th>Original</th>
<th>2nd Quarter</th>
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<tr>
<td>Protection</td>
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<tr>
<td>Revenues</td>
<td>$ 293,483</td>
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<td>Expenses</td>
<td>$ 292,490</td>
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<td>Change in Net Assets</td>
<td>$ 993</td>
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</table>

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

Michigan Tech
C. Leadership Committee

Mr. Bill Johnson reported that the Leadership Committee has reviewed and discussed the annual evaluation of President Mroz. This will be further discussed during the closed session for the periodic personnel evaluation of President Mroz.

IV. CONSENT AGENDA

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

IV-A. Approval of Minutes

It was moved by B. Johnson, supported by R. Jacquart, and passed by voice vote without dissent, that the minutes of the formal session of December 16, 2016, as distributed to the Board, be approved.

IV-B. Gifts

It was moved by B. Johnson, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Trustees acknowledges the gifts to Michigan Technological University.
IV-C. Resignations, Retirements and Off Payroll

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

BOARD OF TRUSTEES OFF-PAYROLL REPORT
(November 27, 2016 – February 3, 2017)

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Department</th>
<th>Title</th>
<th>Hire Date</th>
<th>Term Date</th>
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<tr>
<td>Anderson, Ted L.</td>
<td>Staff</td>
<td>School of Technology</td>
<td>Lecturer</td>
<td>09/23/84</td>
<td>01/02/17</td>
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<tr>
<td>Axtin, Patricia A.</td>
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<td>Biological Sciences</td>
<td>Departmental Coordinator</td>
<td>09/30/11</td>
<td>01/13/17</td>
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<tr>
<td>Boles, Donna M.</td>
<td>Staff</td>
<td>Public Safety &amp; Police Services</td>
<td>Lieutenant</td>
<td>10/29/93</td>
<td>01/13/17</td>
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<tr>
<td>Darley, Mary H.</td>
<td>Faculty</td>
<td>Social Sciences</td>
<td>Associate Professor</td>
<td>09/31/92</td>
<td>12/23/18</td>
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<td>Kresty, Thomas D.</td>
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<td>General Athletics</td>
<td>Head Coach, Football</td>
<td>09/01/07</td>
<td>12/31/16</td>
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<tr>
<td>Kent, David J.</td>
<td>Staff</td>
<td>Information Technology</td>
<td>Database Administrator</td>
<td>09/04/15</td>
<td>01/01/17</td>
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<tr>
<td>Nem, Allen H.</td>
<td>Staff</td>
<td>Occupational Safety &amp; Health Services</td>
<td>Director</td>
<td>09/16/92</td>
<td>02/03/17</td>
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<tr>
<td>Nem, Michael K.</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Building Mechanic</td>
<td>02/01/96</td>
<td>01/30/17</td>
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<tr>
<td>North, Laura A.</td>
<td>Staff</td>
<td>Facilities Management</td>
<td>Custodian</td>
<td>1/28/83</td>
<td>01/06/17</td>
</tr>
</tbody>
</table>
IV-D. Degrees in Course

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

Michigan Technological University
Degrees Awarded for Conferral Term 2018012

| Associate in Humanities                  | Steven R. Debbs - Magna Cum Laude |
| Bachelor of Arts in English              | Leslie Jaime Mundel - Cum Laude    |
| Bachelor of Arts in Physics              | Tyler Scott Harp - Summa Cum Laude |
| Bachelor of Arts in History              | Gregory Michael Knutey - Magna Cum Laude |
| Bachelor of Arts in Scientific and Technical Communication | Eric Susanne LeClair |
| Bachelor of Science in Accounting        | Matthew Paul Radko                  |
| Bachelor of Science in Accounting        | Dalton R. Schoenbridge              |
| Bachelor of Science in Accounting        | Kirthi Ruth Wall - Cum Laude        |
| Bachelor of Science in Accounting        | Cassandra Lynne Berry - Cum Laude   |
| Bachelor of Science in Accounting        | Kathleen Ann Daves                  |
| Bachelor of Science in Accounting        | Teresa Kay Hayapape - Cum Laude     |
| Bachelor of Science in Economics         | Abbey Caroline Haugen - Summa Cum Laude |
| Bachelor of Science in Engineering       | Yibo Hu                               |
| Bachelor of Science in Engineering       | Jacob Sawyer Hanley                  |
| Bachelor of Science in Engineering       | Mallory Paige Miller                 |
| Bachelor of Science in Engineering       | Matthew Charles Malzer               |
| Bachelor of Science in Engineering       | Spencer Thomas Moran                 |
| Bachelor of Science in Engineering       | Kendra R. Rissner                   |
| Bachelor of Science in Engineering       | Ian Frederick Wietzke                |
| Bachelor of Science in Engineering       | Brandon Victor Cowle                 |
| Bachelor of Science in Management        | Julian Joseph Davail                 |
| Bachelor of Science in Management        | Guenmes Fan                          |
| Bachelor of Science in Management        | Yuchen Hu                            |
| Bachelor of Science in Management        | Rachel Elizabeth Kumpf - Cum Laude   |
| Bachelor of Science in Management        | Christopher G. Riggs                |
| Bachelor of Science in Management        | Shyler McCoy Carver                 |
| Bachelor of Science in Management        | Casey Lach Nata - Magna Cum Laude   |
| Bachelor of Science in Marketing         | Stephanie Ani Van Handel            |
| Bachelor of Science in Marketing         | Jacqueses Christine Arid            |
| Bachelor of Science in Marketing         | Scott Christopher Hush              |
| Bachelor of Science in Marketing         | Aubreyena Joy Jeffrey               |
| Bachelor of Science in Marketing         | Halley Theresa LeFleure - Cum Laude |
| Bachelor of Science in Marketing         | Michael Karin Mabra                  |
| Bachelor of Science in Marketing         | Bryan Michael-Kunchman Lowrey       |
| Bachelor of Science in Mechanical        | Rashed M Ahshefhi                   |
| Bachelor of Science in Mechanical        | Alexander James Senson - Cum Laude  |
| Bachelor of Science in Mechanical        | Esther S Gilbaut                    |
| Bachelor of Science in Mechanical        | Michael Coffer Hallman              |
| Bachelor of Science in Mechanical        | Joseph Richard Krivak              |
| Bachelor of Science in Mechanical        | Kyle Anthony Price                   |
| Bachelor of Science in Mechanical        | Daniel Luke Radke - Cum Laude       |
| Bachelor of Science in Mechanical        | Aubrey Lynn Yarlmairin            |
| Bachelor of Science in Mechanical        | Kyle Bernard Meikleifer - Summa Cum Laude |
| Bachelor of Science in Mechanical        | Samantha Anderson - Magna Cum Laude |
| Bachelor of Science in Civil Engineering | Sarah Ana Biokow                   |
| Bachelor of Science in Civil Engineering | Charles Thomas Butler              |
| Bachelor of Science in Civil Engineering | Bayleaf Louise Campbell            |
| Bachelor of Science in Civil Engineering | Daniel John Carlson                |
| Bachelor of Science in Civil Engineering | Joy Aaron Diavettella               |
| Bachelor of Science in Civil Engineering | Jeremiah Lee Darto                 |
| Bachelor of Science in Civil Engineering | Rashed Manta Dougherty              |
| Bachelor of Science in Civil Engineering | Otto Michael Freiberg               |
| Bachelor of Science in Civil Engineering | Xing Gao                           |
| Bachelor of Science in Civil Engineering | Sierra Rose Goodin                  |
| Bachelor of Science in Civil Engineering | Joshua Alan Hagy                    |
| Bachelor of Science in Civil Engineering | Mikhail Joseph Jampain              |
| Bachelor of Science in Civil Engineering | Andrew Richard Lasbey              |
| Bachelor of Science in Civil Engineering | Cody R. Lavek                       |
| Bachelor of Science in Civil Engineering | Andrew David Lobbestad              |
| Bachelor of Science in Civil Engineering | Alex Donald Martin                   |
| Bachelor of Science in Civil Engineering | Aaron John Nelson                   |
| Bachelor of Science in Civil Engineering | James Michael Protested            |
| Bachelor of Science in Civil Engineering | Laura Lyn Simula - Cum Laude        |
| Bachelor of Science in Civil Engineering | Brooke Ann Snow                    |
Bachelor of Science in Chemical Engineering
Maxxanna Janine Stieffling
Matthew Joseph Tomaszewski
Rachelle Marie Wiegard
XI Zhu - Cum Laude
Krista A Blurberg
Vincent Thomas Duschek - Magna Cum Laude
Dimitrios Kazakos - Cum Laude
Nicholas Calvin Peterson - Cum Laude
Brian Allen Wilder - Magna Cum Laude
Qiroue Zhang - Cum Laude
Bachelor of Science in Computer Engineering
Alexander James Benson - Cum Laude
Carl F Coblen
David Paul D'Ambrosio
Artik Larram-Vincentee Davis
Jordan R. Hart
Zhiliang Jin
Jordan Christopher LeFontaine
Matthew Dean LeMay
Songzi Li
Jackson W Maslejewski - Cum Laude
Matthew Frances Polkard
Ricardo David Reyes
Kevin B Rochetau - Magna Cum Laude
Angela Claire Riebeck - Magna Cum Laude
Daniel James Sullivan
Ulan Samuel Templeton
Michael Thomas Theoret - Cum Laude
Joshua David Wendshouten
Jason William Vaughn
Valerie Shao Wehr
Joshua Lee Weisbecher
Yuning Zhang - Cum Laude
Yusuan Zhou
Bachelor of Science in Electrical Engineering
Matthew Donald Anness
Daniel Brian Barrett - Cum Laude
Philip Edward Bialtik
Claire Elizabeth Bradford
Daniel Adam Gestion
David Allen Fash - Summa Cum Laude
Courtney Paige Fournier
Hannah Rachel Garner
Mark T Fleissner
Kate Elizabeth Lambert
Amanda Rae Laramie
Heidi Duane Nodz
Kristin Alesley Ruschau - Cum Laude
Kalla Elizabeth Schafar
Brandon Scott Stemer
Samantha Marie Whitens
Mallory Paige Enter
Ellen Menston Pletcher
Juan Raul Rios
Ryan John Lebanese
Benjamin Stoneham Peterhach
Bachelor of Science in Geology
Jason R. Jaikay
Ryder John Laramie
Bachelor of Science in Mechanical Engineering
Kelsey Brinta-Rose Abbott
Patrick Neal Anderson
Isaac Evan Arndt
Scott Edwin Applegate
Alexander Jeffrey Aprill
Klemm Jacob Baldock
Julian Patrick Bello - Magna Cum Laude
Brendan Joseph Banko
Ty Anthony Barno
Tyler James Benjmin
Macabe Christopher Brand - Summa Cum Laude
Anthony Martin Beshing
Bret William Brook - Summa Cum Laude
Tyler Jason Brou
Tucker Joe Campbell
Alexander Michael Clelia
Kathrine R Cipriano
Mitchell D Coder
Oliver Jack Cooper
Brianna Nicole Corrado
Maxwell Wallace Curd
Timothy E Daievettita
Ryan Thomas Engman
Brian Michael Flehns
Jeremy Edward Folkehrs
John Ryan Ford
Joseph David Forstahl - Cum Laude
Daniel P Frank
Thomas Wyll Geetz - Summa Cum Laude
Peter Joseph Gerecsii
Jessica Louise Gots - Cum Laude
Joey Nos Goupile
Matthew George Steven Grodernski
Michael Collier Hoffman
Jordan M Hartman - Magna Cum Laude
Michael Rolf Helmke
Bryon Richard Hootings
Andrew James Jenon
Taylor Danielle Johnen
Wayne Gordon Kast
Joseph George Kau
Bryce J Kinder - Cum Laude
Christopher Robert Klile
Jordan Marcus Kripp
Victoria Elizabeth Kovach
Peter Joseph Kuefler
Jacob David Kunt - Summa Cum Laude
Jacob Joseph Leblun
Max G Lehmann
Mitchell Dean Lemmer
Michael Ryan Long
Marcelo Martinez - Cum Laude
Reagan J May - Cum Laude
Luke Theodore Mccloskey - Magna Cum Laude
Daniel Brian McIntosh
Vincent M McLain
Fernando Moreira Mendes
Andrew Lee Mims - Summa Cum Laude
Joshua A Mostvald
Eric Bradley Nelson
Walker Houston Nelson - Cum Laude
Evan Jeffrey Parka
Panishv Shital Patwa
Tyler M Pantzas
Vanca P Peteruse - Magna Cum Laude
Kyle Anthony Price
Matthew James Peshirk - Cum Laude
Mega Elizabeth Radly
John M Raiaanen - Cum Laude
Nicholas Richard Ramon
John Christopher Rash
Adam Joseph Rabohn
Michigan Technological University  
Degrees Awarded for Conferral Term 201608

<table>
<thead>
<tr>
<th>Bachelor of Science in Materials Science and Engineering</th>
<th>Michael David Robinson - Cum Laude</th>
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<td>Nathan Thomas Roth</td>
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<td>Bradley David Santley</td>
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<td>Alex Hans Sleuter</td>
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<td>Kyle T Schmied</td>
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<td>Emily Kaye Schneider</td>
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<td>Konnra Marie Seefeld</td>
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<td>Ryan James Sokoda</td>
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<td>Landen Kamtheir Tuscma - Magna Cum Laude</td>
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<td>Kyle R Tice</td>
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<td>Chad Thomas Vanderlooski</td>
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<td>Jonathan Francis Vincent</td>
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<td>Daniel M Vogel - Magna Cum Laude</td>
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<td>Libby Suzanne Wetton - Summa Cum Laude</td>
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<td>Aurora Julia White</td>
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<td>Michael Douglas ZR</td>
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<td>Dante Antonio Zinardi</td>
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<td>Bachelor of Science in Applied Ecology and Environmental Sciences</td>
<td>Brian William Broek - Summa Cum Laude</td>
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<td>Tyler Jason Bross</td>
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<td>Daniel Ryan Cassani - Cum Laude</td>
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<td>Conner Johannes Kudison</td>
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<td>Anthony Arnold Orza - Magna Cum Laude</td>
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<td>Bryan William Stout</td>
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<td>Bachelor of Science in Forestry</td>
<td>Jacob Andrew Bolt</td>
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<td></td>
<td>Sarah Anne Hartung - Magna Cum Laude</td>
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<tr>
<td>Bachelor of Science in Wildlife Ecology and Management</td>
<td>Todd Andrew Lewis - Cum Laude</td>
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<td>Dylan Ford Malona</td>
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<td>Kaydi Elizabeth Picard</td>
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<td>Jacob Jeffrey Sler - Magna Cum Laude</td>
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<td>Heath Malsorad Welch</td>
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<td>John Hartman Forrest Wheeler</td>
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<td>Bachelor of Science in Anthropology</td>
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<td>Daniel W Peak</td>
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<td>Eric C Prior</td>
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<td>Gabriel Paul Witner</td>
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<tr>
<td>Bachelor of Science in Biological Sciences</td>
<td>Reyna Lee Bennett</td>
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<td></td>
<td>Lauren Elizabeth Kons</td>
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<td></td>
<td>Melissa Marie Wolfe-Michaelson - Summa Cum Laude</td>
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<tr>
<td>Bachelor of Science in Chemistry</td>
<td>Timothy Michael Buter</td>
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<tr>
<td></td>
<td>Acacia Ann Copley</td>
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<tr>
<td></td>
<td>Shannon Rae Dufek - Summa Cum Laude</td>
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<td></td>
<td>Marta A Gargaro</td>
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<td></td>
<td>Olivia Kathleen Ingram - Magna Cum Laude</td>
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<td></td>
<td>Alexander H McQueeness - Summa Cum Laude</td>
</tr>
<tr>
<td></td>
<td>Virginia Mary Van Vlaren - Summa Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Pharmaceutical Chemistry</td>
<td>Alex Jon Van Wagner</td>
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<tr>
<td></td>
<td>Lelia Marie Whelan</td>
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<tr>
<td>Bachelor of Science in Computer Science</td>
<td>Wenbo Li</td>
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<td></td>
<td>Alexandra Elizabeth Midory</td>
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<td>Jacob Blair Pleissner</td>
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<tr>
<td>Bachelor of Science in Pharmaceutical Chemistry</td>
<td>Jack Robert Vastavik</td>
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<tr>
<td>Bachelor of Science in Computer Science</td>
<td>Eric Robert Karven</td>
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<td></td>
<td>Vincent Neil Acter</td>
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<tr>
<td></td>
<td>Sarah Evelyn Adler</td>
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<tr>
<td></td>
<td>Max Dubinsky - Magna Cum Laude</td>
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</table>
Michigan Technological University  
Degrees Awarded for Commencement Term 2016-06

| Bachelor of Science in Computer Systems Science | Zachary Robert Ericka
| Bachelor of Science in Exercise Science | Alex David Gill
| Bachelor of Science in Audio Production and Technology | Tanner J. Irgensdott
| Bachelor of Science in Mathematics | Jordan Carl Kashchev
| Bachelor of Science in Biochemistry and Molecular Biology | Eric Joseph Kesovski
| Bachelor of Science in Biochemistry and Molecular Biology | Charles W Klaippe
| Bachelor of Science in Medical Laboratory Science | Alisa Oliva Kuppel
| Bachelor of Science in Physics | Andrew Phillip Lathrop
| Bachelor of Science in Psychology | Ian Douglas Peoples
| Bachelor of Science in Software Engineering | Ryan Carl Raske
| Bachelor of Science in Sports and Fitness Management | Cole A Salmi
| Bachelor of Science in Social Sciences | Jeffrey William Spragg
| Bachelor of Science in Scientific and Technical Communication | Brian P. Szarnicki
| Bachelor of Science in Construction Management | Marco Antonio Versolino
| Bachelor of Science in Electrical Engineering Technology | Ian Matthew Gladu
| Bachelor of Science in Mechanical Engineering Technology | Nicholas John Alessandri - Cum Laude
| Bachelor of Science in Mechanical Engineering Technology | Olivia Joelle Trauner
| Bachelor of Science in Computer Engineering | Paul Christopher Breitl
| Bachelor of Science in Computer Engineering | Jeremy Blake Davey
| Bachelor of Science in Computer Engineering | Tanner James Kero - Magna Cum Laude
| Bachelor of Science in Computer Engineering | Joseph Richard Kristolik
| Bachelor of Science in Computer Engineering | Ezekiel Benjamin Keevler - Magna Cum Laude
| Bachelor of Science in Computer Engineering | Mackenzie Morgan Lin
| Bachelor of Science in Computer Engineering | Robert David Soderlund - Cum Laude
| Bachelor of Science in Computer Engineering | Donovan Andrew Starnow
| Bachelor of Science in Computer Engineering | Ian Yu - Magna Cum Laude
| Bachelor of Science in Computer Engineering | Lauren Victoria Ruth McDonald
| Bachelor of Science in Computer Engineering | Anna-Cattarina Gulia Wilhelm
| Bachelor of Science in Computer Engineering | Tracy Annette Malik
| Bachelor of Science in Computer Engineering | Tanner Gerald Kayeors
| Bachelor of Science in Computer Engineering | Lauren Alexis Krew
| Bachelor of Science in Computer Engineering | Larissa Louise Kramer - Magna Cum Laude
| Bachelor of Science in Computer Engineering | Katryn Ann Prusak - Cum Laude
| Bachelor of Science in Computer Engineering | crowd Michael Wresnowski
| Bachelor of Science in Computer Engineering | Kevin S. Ratchavou - Magna Cum Laude
| Bachelor of Science in Computer Engineering | Cameron John Shrock
| Bachelor of Science in Computer Engineering | Raven Luna-Sylvana Stosa
| Bachelor of Science in Computer Engineering | Matthew Christopher Berry
| Bachelor of Science in Computer Engineering | Evan Matthew Mayer - Cum Laude
| Bachelor of Science in Computer Engineering | Samuel Anthony Maugher
| Bachelor of Science in Computer Engineering | Johnathan M Booth
| Bachelor of Science in Computer Engineering | Mitchell Adam Cramer
| Bachelor of Science in Computer Engineering | Kyle Patrick Demsha
| Bachelor of Science in Computer Engineering | Matthew Joseph Kersten
| Bachelor of Science in Computer Engineering | Tony Lee Taggart - Cum Laude
| Bachelor of Science in Computer Engineering | Hunter Elizabeth Ashbrook
| Bachelor of Science in Computer Engineering | Travis J. Fredrickson
| Bachelor of Science in Computer Engineering | Christopher Nicholas Edwards
| Bachelor of Science in Computer Engineering | Rachael Marie Nienhuis
| Bachelor of Science in Computer Engineering | Brooke D Powell - Cum Laude
| Bachelor of Science in Computer Engineering | Cody Matthew Ericson
| Bachelor of Science in Computer Engineering | Charles Edward Collins - Cum Laude
| Bachelor of Science in Computer Engineering | Antonio P DiCicco
| Bachelor of Science in Computer Engineering | Joseph James Mardzak
| Bachelor of Science in Computer Engineering | Matthew Louis Mueller
| Bachelor of Science in Computer Engineering | Jacob William Stanislawski - Summa Cum Laude
| Bachelor of Science in Computer Engineering | Philip D Coz - Magna Cum Laude
| Bachelor of Science in Computer Engineering | Michael Dunea Oettl
| Bachelor of Science in Computer Engineering | Richard Frank Quinn
| Bachelor of Science in Computer Engineering | Nathaniel Johnson
| Bachelor of Science in Computer Engineering | Yan Ke
| Bachelor of Science in Computer Engineering | Zachary S Keenunan
| Bachelor of Science in Computer Engineering | Justin M Ray - Cum Laude
Michigan Technological University
Degrees Awarded for Confirmed Term 201606

Bachelor of Science in Surveying Engineering
- John Calvin Strauch
- James Thomas Suthrelin
- Zhang Wang

Master of Business Administration in Business Administration
- Steven Samuel Steinhorst
- Rafe P Anderson
- James Timothy Deoschere
- Douglass Ham
- Kelley Johnson
- John William Nelson
- Benjamin James Tauchten
- Siddhan Shyam Hobe
- Stella Rose Dee
- David Edward Gilmore
- Travis John Helmbden
- Alexandra Perrier
- Michael Ryan Reed
- Darren D Serron
- Jingjing Zhang
- Brooke Elise Huber
- Wenwu Xu
- Regina Todd Dillingham
- Avik Ghosh
- Abhishek Medhevashandran
- Lu Song
- Govindra Suresh
- Manish Reddy Babula
- Charles Allen Holmes
- Mary C Woritz
- Justin Theodore Redaouder
- Victoria Labracki Rawerts
- Raksha Satyaprasheek
- Sualke SL
- Autumn Joy Stoteboom

Master of Science in Civil Engineering
- Kalief Mohamed Bertasher
- Jesus Louis Collins
- Ashish Shravan Sadaule
- Pranesh Reddy Arna
- Sandeep Latha
- Shreeve Nithshpreetadal
- Lingfeng Pu
- Matthew Scott Zawikza
- Ching Zhen
- Aparna Addada
- Guna Raina Bharadi
- Srinivas Sadhurth Shastaram
- Parthiwar Surekhkumar Shuvella
- Kirk J. Udstava
- Dustin Matthew Drummen
- Ankit Fanad
- Saurav Joshee
- Bharath Bhuvan Katharu
- Mani Sankar Kulamuru
- Yiqiao Liao
- Jing Liu
- Ankita Mishra
- Joshua Alan Niemi
- Sevket Bursik Boliv
- Macy Sarah Payne
- Rajesh Pokhale
- Shridhara Prakash
- Md Afruzul Fathman
- Derrick Robey
- Yuchong Shi
- Chantong Wang
Michigan Technological University
Degrees Awarded for Conferal Term 201608

Master of Science in Environmental Engineering
Xin Xie
Yihang Yan
Jiemin Zhang
Sharath Bhattu
Shawn Roger Conard
Meral Lyn Jackson
Mahesh Sanjeev Kulkami
Janet Celia Maggio
Zoe Alyssa Miller
Michael Anthony Polkinghorn
Christopher Carlyle Volkman
Bradley Weiss

Master of Science in Geological Engineering
Baning Wu
Master of Science in Geology
Teja Thorsness Fishery
Cassandra Marie Javor
Erick Franco
Karl Francis Campbell
Garvie Curtis Drake
Maximilian Wolfgang Quettinger
Vanessa Khuwana
McKul Han Merriam

Master of Science in Geophysics
Dharma Teja Adepu
Pyush Aggarwal
Rajni Anil Rau
Basil James Anthttham
Maya Aghananelv
Surendra Suresh Bangar
Sal Kumar Reddy Busireddy
Chintan Kaustubh Desai
Shiraaji Singh Dhanas
Xin Diao
Paul Whitney Dios
Kyle Douglas Hansen
Rakshith Kumar Janga
Barth Chand Jasti
Jihun Joseph
Airavada Shilsh Joshi
Aashay Ramnath Joshi
Vishwanath Kadam
Salman Khairnar Kapolam

Master of Science in Mechanical Engineering
Punith Nandil Kalan
Vishnusri Kambis
Sachin Kosugi
Alash Kobay
Arinsh Vivaswan and Kulkami
Dian Li
Zhanpeng Li
Nilesh Madi Reddy
Praveen Mathesh
Adi Atul Manviwkar
Joshua M Mattz
Kevn R Miller
Abur Naman
Sahin OCTRM
Sanjita Jay Okar
Brian Rasa Page
Ajit Ramchandra Pawar
Miholis B_tri Padhi
Gaoqiao Qiu
Deekshth Pragaling
Zhihao Ran
Tyler James Sierkowsk1
Dheeraj Sitarmate
Ali Sohok
Stephanie Lynn Tankersley
V. ACTION/DISCUSSION ITEMS

V-A. Employee Recognition

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

Patricia Asselin – 35 years of service
David Kent – 37 years of service
V-B. Emeritus Rank

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

Dr. Mary H. Durfee, Professor Emerita, Department of Social Sciences

Dr. Bruce J. Pletka, Professor Emeritus, Department of Materials Science and Engineering

V-C. Exclusion Resolution for the Department of Defense

It was moved by B. Johnson, supported by S. Tomaszewski, and passed by voice vote without dissent, that the Board of Trustees adopts the Exclusion Resolution as presented.

EXCLUSION RESOLUTION

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

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

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

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

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

<table>
<thead>
<tr>
<th>NAME</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linda D. Kennedy</td>
<td>Board of Trustees Member</td>
</tr>
<tr>
<td>Julie A. Frem</td>
<td>Board of Trustees Member</td>
</tr>
<tr>
<td>William L. Johnson</td>
<td>Board of Trustees Member</td>
</tr>
<tr>
<td>Derhun Sanders</td>
<td>Board of Trustees Member</td>
</tr>
<tr>
<td>Steven M. Tomaszewski</td>
<td>Board of Trustees Member</td>
</tr>
</tbody>
</table>
V-D. Resolution Approving Conveyance of Property for the General Campus Renovations Project

It was moved by R. Jacquart, supported by B. Johnson, and passed by voice vote without dissent, that the Board of Trustees approves conveyance of property.

A RESOLUTION OF THE BOARD OF TRUSTEES
OF MICHIGAN TECHNOLOGICAL UNIVERSITY REQUESTING
CONVEYANCE OF PROPERTY FOR THE GENERAL CAMPUS
RENOVATIONS PROJECT, ACCEPTANCE OF SAME AND ACCEPTING
OBLIGATIONS FOR THE FACILITIES

A RESOLUTION of the Board of Trustees of Michigan Technological University (the "Educational Institution") requesting and approving the conveyance of property and to provide matters relating thereto.

WHEREAS, the State Building Authority (the "Authority"), a statutory body corporate created under provisions of 1964 PA 183, as amended, is authorized to acquire, construct, furnish, equip, own, improve, enlarge, operate, mortgage and maintain buildings, necessary parking structures or lots and facilities and sites therefore for use by the State or any of its agencies including institutions of higher education created pursuant to Sections 5, 6 and 7 of Article VIII of the Michigan Constitution of 1963; and

WHEREAS, the Educational Institution has been created and is maintained pursuant to Sections 7 of Article VIII of the Michigan Constitution of 1963; and

WHEREAS, the Authority has previously acquired the General Campus Renovations Project (the General Campus Renovations Project is the "Facilities") and the Authority leased the Facilities to the Educational Institution and the State of Michigan (the "State") pursuant to a lease dated as of August 1, 2007 (the "Lease"); and

WHEREAS, under the terms of the Lease, the Authority agreed to convey title by Bill of Sale to the Facilities to the Educational Institution upon request by the Educational Institution after the Bonds which financed the Facilities (the "Bonds" as defined in the Lease) and any additional bonds or other obligations as provided in the Lease are paid in full or provision for the payment thereof is made as provided in the Lease for consideration of one ($1.00) Dollar and the assumption by the Educational Institution of all monetary obligations and legal responsibilities for the operation and maintenance of the Facilities; and
WHEREAS, the Bonds have been paid in full and all conditions established by the Lease as conditions precedent to conveyance of title by Bill of Sale to the Facilities by the Authority to the Educational Institution have occurred.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE EDUCATIONAL INSTITUTION THAT:

1. The Educational Institution hereby requests that the Authority convey title to the Facilities by Bill of Sale to the Educational Institution.

2. The consideration for the conveyance of the Facilities shall be one ($1.00) Dollar and the assumption by the Educational Institution of all monetary obligations and legal responsibilities for the operation and maintenance of the Facilities.

3. The conveyance of the Facilities pursuant to the terms and conditions set forth above is approved and each of the President, Vice President for Finance/Treasurer of the Board of Trustees and Secretary of the Board of Trustees of the Educational Institution is authorized and directed to execute any documents to accomplish the conveyance in such form as may be requested by the Authority and approved by counsel for the Educational Institution.

4. All ordinances, resolutions and orders or parts thereof in conflict with this resolution are, to the extent of such conflict, repealed.

5. This resolution shall be effective immediately upon its adoption.
Michigan Technological University  
General Campus Renovations  

| College/University: | Michigan Technological University  
Location of Project: | Houghton, Michigan  
Completion Date: | June 30, 2007  
Lease Term: | 20 Years  
Annual Rent Payment: | $660,000  

### Scope of Work/Cost:

<table>
<thead>
<tr>
<th>Project</th>
<th>Component Cost</th>
<th>Total Cost</th>
<th>School Payment Number</th>
<th>State of MI Payment Number</th>
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<tr>
<td>Interruptible Power Generators &amp; Addition</td>
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<tr>
<td>Diliman Hall</td>
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<td>Life Safety UM-grades</td>
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<tr>
<td>Forestry Building</td>
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<td>Walker Arts Building</td>
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<tr>
<td>Service Building</td>
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<td>Administration Building</td>
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<td>Central Heating Plant</td>
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<td>Power Demand Reduction</td>
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<td>Relamping, Ballast &amp; Lighting</td>
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<td>Chern Science Greenhouse</td>
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<tr>
<td>Forestry Greenhouse</td>
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<td>Chem Science Elevator Renewal</td>
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<td>DMB Survery Fee</td>
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</tbody>
</table>

* State Building Authority Share $7,463,512, University Share $1,688,441, State General Fund/General Purpose Share, $210
VI. REPORTS

A. University Senate Report – Dr. Brian Barkdoll

10 Senate approved Proposals

- 4 proposals approved by administration
  - One curricular program
  - Evaluation Procedures for Department Chairs and School Deans
  - Two proposals revising and amending Procedures to Review and Reappoint Deans of Colleges

6 proposals awaiting consideration

- 5 curricular programs, including a requirement for laptops by Engineering Fundamentals
- Resolution in Support of our International Colleagues and Students

Salary Survey Results

1. How competitive is Michigan Tech in terms of salary when compared to institutions that directly compete with Michigan Tech in hiring and retaining faculty and staff?
   - 54.7% (1,521) very competitive
   - 6.3% (181) competitive
   - 6.9% (191) somewhat competitive
   - 23.0% (643) similar to other institutions

2. How concerned are you about the status of salaries at Michigan Tech?
   - 54.7% (1,521) very concerned or concerned
   - 21.4% (600) not concerned or somewhat concerned
   - 17.2% (498) respondents are neutral

3. Have you considered taking a job with another institution due to dissatisfaction with the benefits and/or salary at Michigan Tech?
   - 6.9% (200) respondents answered "Yes"

Projects in Development

1. Sustainability & Recycling Presented by Jay Meldrum
2. Dual Career Program
4. SARA (National Council for State Authorization Reciprocity Agreements) for online/distance education programs. Academic and Instructional Policy Committee, Center for Teaching and Learning
5. Presidents Survey (completed. Data being evaluated.)
6. Fringe Benefits survey and analysis of the past 10+ years of fringe benefits. (completed. Data being evaluated.) Fringe Benefits Committee
7. Report on Technology in Classroom
B. Undergraduate Student Government Report – Samuel Casey, President

SAF Review
- USG will not be requesting an increase for the 2017-18 school year
- Refocusing on 3 year review cycle
  - Tentatively begin review next year
  - Considering a USG Bylaw amendment
- Continuing research on student fees through Spring 2017

Shared Governance in Michigan Universities
- Continuing to pursue student representation to boards through SAM
- NMU student government conference
- Still seeking institutional support from Michigan Tech

Prince's Point - Value to Students
- Outdoor Recreation Assessment
  - 91% listed waterways access as a reason for attendance
  - 80% listed waterways
- 2015 Keweenaw Economic Development Strategic Plan
  - Top Strengths: 1-Outdoor Recreation, 4-Natural Resources, 6-Waterways
- Open Space
  - Only open space with eight lanes to the portage
- Venue
- Intrinsic Historic Value
Prince's Point - Project

- Project spurred from conditions of overuse
  - Gutter, trail erosion, tree damage, etc.
- In the past 30 years, all efforts have been grassroots
  - No continuous long-term management for the area
- 2008 was the last time funding was provided
  - Student Commission attempted to add steps and benches

Prince's Point - MAD Clean Up

Make a Difference Day (35 student volunteers)

- 10 gal of metal and glass
- 1.5 cubic yards of waste ash
- 100 gal of partially burned organic matter
- 1/4 cubic yard of rocks
- Cleared ground vegetation

Prince's Point - Next Steps

- Public Presentation - Feb. 16th
- By next BOT meeting
  - Report will be finalized
  - Recommendations for long-term management will be developed
- The goal is to apply for grants
- Seeking support from the University
Other USG Initiatives

- Ice Skate Rentals
- USG Hockey Tailgate
- USG Chilli Van
- USG Marketing Plan
- USG Budget Hearings for FY18
- Forum with Jack Bergman (tentative)

C. Graduate Student Government Report – William Lytle, President

Updates

- Graduate Student Activities Survey
- GSG internal evaluation
- Graduate Research Colloquium
Co-ownership

- Student Financial Relief
  - Emergency student loan
- University Committee to address housing
- University Committee to improve transportation
- Continued work to improve sustainability on campus

<table>
<thead>
<tr>
<th>Location</th>
<th>Diversion Rate</th>
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<tbody>
<tr>
<td>MTU</td>
<td>12.5%</td>
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<tr>
<td>USA</td>
<td>35%</td>
</tr>
<tr>
<td>Germany</td>
<td>65%</td>
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</tbody>
</table>

Graduate Student Concerns

Cost of attendance
- Insurance rates
- Unsupported student ratio

Graduate Student Capacity
- Computers
- Offices/desks
- Housing/transportation

Diversity and Inclusion
- Immigration reform
- Reactions to political sphere

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
F. Employee Safety Statistics
G. Disposal of Surplus Property
VIII. OTHER BUSINESS

There was no other business at this time.

IX. PUBLIC COMMENTS

Josh Marshall, computer science graduate student, provided his opinion on dining services in regard to: operating efficiency, wasting food and automated tasks that should be explored.

X. INFORMAL CLOSED SESSION FOR REVIEW OF PENDING LITIGATION AND A PERIODIC PERSONNEL EVALUATION OF PRESIDENT MROZ

It was moved by S. Tomaszewski, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Trustees proceed into an informal closed session for review of pending litigation and a periodic personnel evaluation of President Mroz. (A closed session for such a purpose is provided for in Section 8 (a, e) of P.A. 267 of 1976). (A roll call vote is required).

Roll Call Vote:

Fream - Yes
Jacquart - Yes
Johnson - Yes
Kennedy - Yes
Ryan - Yes
Sanders - Yes
Tomaszewski - Yes
Woychowski - Yes

The motion passed.

The Board of Trustees reconvened in open session with a quorum present.

XI. ADJOURNMENT

It was moved by R. Jacquart, supported by B. Johnson, and passed by voice vote without dissent, that the meeting be adjourned.

________________________________________
Secretary of the Board of Trustees

________________________________________
Chair, Board of Trustees