MINUTES

of the

Board of Control

Michigan Technological University

Houghton, Michigan

Meeting of

August 7, 2014
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MINUTES OF THE FORMAL SESSION OF THE BOARD OF CONTROL 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 August 7, 2014.

The Board of Control 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 7th day of August 2014, 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, S. Hicks, and a quorum was declared present.

The following members of the Board of Control were present:

   S. J. Hicks, Chair
   J. A. Fream, Vice Chair
   L. D. Ashford
   T. L. Baldini
   R. J. Jacquart
   L. D. Kennedy
   P. G. Ollila
   T. J. Woychowski
   G. D. Mroz, ex officio

The following members were absent:

   None

Also present during part or all of the session were: Dale R. Tahtinen, Secretary of the Board and Vice President for Governmental Relations; Julie Seppala, Treasurer; Max Seel, 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 Advancement and Student Affairs; George Butvilas, Chair of the Michigan Tech Fund, and various members of the faculty, administrative staff, student body, press and public.

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

Board Secretary D. Tahtinen recommended that the agenda be amended to add a recommendation for Professor Emeritus status for Dr. Bradley Baltensperger to item VII. Emeritus Rank and to add a Closed Session for Review of Attorney Opinion to item XI. Closed Session.

It was moved by T. Baldini, supported by J. Fream, and passed by voice vote without dissent, that the agenda of the formal session of August 7, 2014, as distributed to the Board, be approved as amended.

II. ELECTION OF CHAIR AND VICE CHAIR

It was moved by T. Baldini, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Control elects Julie Fream as Chair, and Paul Ollila as Vice Chair for the 2014-2015 fiscal year.

Mr. Baldini thanked Mr. Hicks for his leadership for the past two years. He pointed out that we are moving forward and that we have Julie Fream who is a Tech grad and has been very involved with the institution before, and Paul Ollila who has his ear to the ground in the local area, and feels that they will provide outstanding leadership.

Mr. Hicks stated that it has been an honor and a pleasure to lead the Board, and he also thanked the Board for their strong support.

III. CHANGE OF CHAIR

Julie Fream, Chair for 2014-2015 will succeed Stephen Hicks, Chair for 2013-2014, and Paul Ollila will become Vice Chair for the 2014-2015 fiscal year.

Ms. Fream commented that it is an honor to be elected chair, and praised Mr. Hicks’ leadership over the past two years, and looks forward to his continuing support and guidance.

State Representative Scott Dianda

Representative Scott Dianda congratulated the university on its accomplishments. We appreciate the new incoming chair, and thanked Ms. Fream for the opportunity to speak at today’s meeting. In the State we are so very proud of what you are doing up here. You are the gem in our area for the leadership that we see out of Michigan Tech and where you are going as a university. We also want to recognize the Generations of Discovery campaign and the amount of money that was donated to the university, and all of the plans that you look forward to accomplishing.

Representative Scott Dianda presented President Mroz with a Special Tribute from the State of Michigan.
SPECIAL TRIBUTE

LET IT BE KNOWN, That it is with great pleasure that we congratulate Michigan Technological University on successfully meeting and exceeding its goal of raising $200,000,000 through the “Generations of Discovery” campaign. Since starting this campaign in 2006, Michigan Tech has raised a total of $215,366,353. Michigan prides itself on the quality of its world-class public university system, and Michigan Tech is certainly no exception. The funds that Michigan Tech has generated through this campaign symbolize the strength of the school’s vision for the future and the dedication of its alumni support system.

As a premier technological institute of higher learning in the state, students and researchers at Michigan Tech help pave the way for future innovation in science, engineering, and mathematics. Competition among academic institutions is fierce, therefore, universities must be proactive in trying to attract top-notch students, faculty and staff. With this campaign complete, Michigan Tech has the resources to facilities future growth and success.

This fund ensures that Michigan Tech will remain a beacon of discovery and ingenuity, while strengthening the school’s national reputation. As a direct result of this long-term fundraising campaign, Michigan Tech has been able to add 57 new academic programs, create an honors institute, fund additional research projects, and renovate and create new campus facilities. These vital improvements help make Michigan Tech a more desirable location to prospective students and world-class instructors.

IN SPECIAL TRIBUTE, Therefore, This document is signed and dedicated to congratulate Michigan Technological University. With its expanded endowment, Michigan Tech can go to work solving the world’s pressing problems. Equipped with exceptional facilities and bright, creative thinkers, the next great innovations in technology will come out of Houghton Michigan. Go Huskies!

Signed by:
Rick Snyder, Governor
Tom Casperson, State Senator, The Thirty-Eight District
Scott Dianda, State Representative, The One Hundred and Tenth District

President Mroz thanked Representative Dianda and pointed out that none of this happens without a great team, and thanked the Board, the Advancement Officers, and all those involved in making sure that we are successful.

IV. OPENING REMARKS

Chair’s Comments

I would like to welcome everyone to today’s Board of Control meeting and to Alumni Reunion.
Here are a few highlights of some of the awards and special activities that have taken place since our last meeting with respect to our strategic plan vision of growing as a premier technological research university of international stature, delivering education, new knowledge, and innovation for the needs of our world and our goals.

**Goal 1: A world-class and diverse faculty, staff and student population:**
- Dr. Tess Ahlborn and Dr. Scott Miers received Michigan Tech’s highest honors for teaching. Tess Ahlborn, newly promoted professor of civil and environmental engineering received the award in the associate professor, professor category, and Scott Miers, newly promoted associate professor of mechanical engineering—engineering mechanics was honored in the assistant professor, professor of practice and lecturer category.
- Dr. Linda Ott, professor of computer science, was awarded Michigan Tech’s Inaugural Diversity Award. The award “recognizes the accomplishments of a faculty and/or staff member who contributes to diversity and inclusion through exemplary leadership and actions.
- Dr. Sue Bagley, professor emerita in the department of biological sciences, received the Charles Porter Award from the Society for Industrial Microbiology and Biotechnology for her outstanding service, and
- President Mroz has been elected to a 3rd two year term as Chair of the Presidents Council of State Universities of Michigan.

With respect to **Goal 2: A distinctive and rigorous discovery-based learning experience:**
- For the ninth year in a row, Michigan Tech ranks as the number one university nationwide for the number of Peace Corps Master’s International students currently serving as Peace Corps volunteers.
- Nucor Corporation, the largest manufacturer of steel products in North America has given Michigan Tech $255,000 to establish the Nucor Industrial Control and Automation Laboratory. The lab is a collaborative effort of the program in Electrical Engineering Technology in the School of Technology and the Department of Electrical and Computer Engineering.
- Michigan Tech is tenth in the nation in the percentage of engineering doctoral degrees awarded to women at 31.9% according to a report by the American Society of Engineering Education. The comparative group includes 117 universities that grant at least 25 Ph.D. degrees per year.

Achievements for **Goal 3: World-class Research, Scholarship & Entrepreneurship and Creativity** include:
- Dr. Tolou Shokuhfar, assistant professor of mechanical engineering-engineering mechanics has received funding from a five-year $400,000 NSF Faculty Early Career Development Award to study the inner workings of a protein that plays a key role in human health.
• Dr. Guiliang Tang, associate professor of biological sciences, and Hairong Wei, assistant professor of the School of Forest Resources & Environmental Science received a $2.5 million NSF Grant to lead a three-year study of key genetic processes underlying three of the world’s most important food crops: maize, rice and soy.

• Dr. Raymond Shaw, professor of physics, was awarded $415,301 from the U.S. Department of Energy for his three-year project to study of ice formations and stratiform clouds.

• Michigan Tech’s stature among institutions has earned another important distinction: its proportion of industry-sponsored research, compared to other schools in the state and nation. According to National Science Foundation Higher Education Research and Development data, Michigan Tech ranked second in the state among public institutions and is in the top 15 percent in the nation among 650-plus universities.

I would also like to point out that in the reports that you will be hearing later in today’s meeting;

• The general fund and the current fund ended the year on a positive note, which strengthens the net worth of the university.
• We have had 5 NSF Career Award recipients this year, and
• We have exceeded our fund raising goals for the year.

In addition,
• Occupancy in the residence halls is projected to be at maximum capacity,
• Our summer youth programs have seen an overall enrollment increase of 10% over the past three years, with a total 2014 attendance of 1,069 students, which is the highest it has been since 2009.
• The university continues to monitor enrollment metrics for the fall. Early indicators suggest that first to second year retention could show significant improvement this year.
• And again, for the seventh time the last nine years, the average ACT composite score for incoming freshmen will be at an all-time high.

All of these achievements, and the many others that are too numerous to mention, couldn’t happen without the outstanding efforts of our faculty, staff and students.

President’s Comments

I would like to take a moment to highlight the accomplishments of a few people and groups. First, a group of fantastic women on campus who have put together a program to advance the skills of our UAW members. The seed for this was planted when interpreting feedback from UAW members on the Senate’s evaluation of the President as part of my 360 annual review. Both informal and formal follow up discussions with people on campus, and in particular Vice President Ellen Horsch, and the President of Gogebic Community College, Jim Lorenson defined what might be possible.
Amanda Cadwell, President, and Tina Sarazin, Vice President of UAW Local 5000 along with Catherine Burns, Employment Services Specialist, and Lori Weir Human Resources Generalist in our Human Resources department stepped up to do the heavy lifting.

President Cadwell and Vice President Sarazin, along with the University negotiating team, added language for the program in the UAW contract and ran surveys of the perceptions and needs of UAW members across campus, while Human Resources did the same for supervisors. Together they molded those needs into four discrete classes, worked with a variety of people to create the curriculum, scheduled the spaces appropriate to the classes, held a kick-off event in the spring, and next week will begin populating the classes on a first come first served basis. Those classes will begin in September and end in November. In November they will survey participants to complete the plan, do, check, adjust cycle, and these will be offered again in the spring, and next year, and the next. People completing all four classes will receive a master’s certification. We are excited about this, and we are grateful to Amanda, Tina, Lori and Catherine for a program that is unique in the UAW. In awe of their effort and accomplishments, I have suggested that the United Auto Workers be rebranded as the United Administrative Workers.

As far as we know from our contacts at UAW, this is a pioneering program, and we’ve heard that it is generating much interest in UAW at the state level.

Thanks to the people of UAW, Michigan Tech and Gogebic Community College.

Last week, TIME magazine ran a story on America’s economic comeback. The first half of 2014 showed the best job creation rate in 15 years. Goldman Sacks and others project a 3.3% growth rate in the economy for the remainder of 2014. Total household wealth and private employment surpassed 2008 levels last year, and bank loans to business exceeded previous highs this year as well. Manufacturing costs are down, banks have been recapitalized, and inflation in health care costs has slowed. It is also expected that the Federal Reserve will begin increasing interest rates in response to all this good news next year.

It is against this backdrop that I want to thank Steve Hicks for his service as Chair of the Board for the past two years. There are no easy years to be chair, and Steve’s service in this time period, as well as his long service prior to that as Chair of the Audit and Finance Committee, have straddled particularly critical years for Michigan Tech. After all, all the good news noted in TIME is a result of previous dismal news.

The story is all too familiar to us. Our governor and legislators cut budgets, including higher education budgets, to deal with the larger issue of the financial crisis at the state level. Less well known is that it would have in many ways been easier and less worrisome for the Board to take more draconian approaches to deal with those budget cuts. Instead, more elegant paths were chosen, that were not without risk, to ensure financial stability, continued growth, and at the same time causing the least disruption to the lives of the people of Michigan Tech and the community.
The prize, if you will, was to keep up the momentum of pursuing our strategic plan so Michigan Tech would be well positioned for the economic recovery of today, and that our students would be well positioned for the economic recovery of today.

This did not take place without vigorous, penetrating and often contentious discussion. The kind of discussion that is a manifestation of the intellectual commitment on the part of the Board, and management. Steve set the tone and the standard for that commitment. Thank you Steve.

As you’ll hear in today’s committee and vice presidents and treasurer’s report, risk does come with its rewards. Those rewards come in the form of the achievements of the people of Michigan Tech, the faculty, students and staff. Long term results like these are noted nationally as well. Last week, rankings by *Money Magazine* placed us at 33 among public institutions in the Nation, and the *Princeton Review* again listed us among their best colleges and universities.

The Board can look with pride on what has been accomplished by maintaining a steady course through turbulent financial times, and it’s especially rewarding that these can be shared with the alumni who are with us this week. Our Alums can feel pride and know that in ways great and small, Michigan Tech continues to help some of the most humble people, from ordinary backgrounds, discover and develop their gifts so that they can achieve exceptional accomplishments -- and that tradition and that culture that is so critical to Michigan Tech’s reputation continues today.

V. COMMITTEE REPORTS

Academic Affairs Committee Report

Mr. Woychowski presented the follow report to the Board.
Action Items

- Appointments with Tenure
  - Dr. Jon Sticklen, Chair of Engineering Fundamentals
  - Dr. Min Song, Chair of Computer Science
- Emeritus Rank
  - Dr. Steven Seidel
  - Dr. Brad Baltensperger

Action Items

- BOC Policy 13.2.6.3 Academic Suspension and Dismissal
  - Reflect Senate Proposal 30-14: Suspension if GPA is 0.0 for 12 attempted credits
Provost Report

Provost Max Seel provided the Board with the following report.
Provost Report

Program Evaluation- continuous process of additions, deletions & modifications

Board of Control Meeting
August 7, 2014

AAC:
Ensure that the academic programs are consistent with the University’s mission and strategic plan

Strategic Plan:
GOAL 2: A distinctive and rigorous discovery-based learning experience grounded in science, engineering, technology, sustainability, the business of innovation, and an understanding of the social and cultural contexts of our contemporary world.

from a 2011 presentation:
Overview

- Brief Review of Quality Measures for Input, Output, Time@Tech
- Update on “Open Pathway” Accreditation Process
- Program adding, shelving, eliminating
- 10 year Changes in Undergraduate Program Offerings in COE, CSA
- Program Post-Implementation Review Examples

New Initiatives:
1. Pavlis Honors College
2. ACIA - Alliance for Computing, Information, and Automation
3. K12 Outreach – Current Projects, DOW Foundation Grant

Review of Quality Measures
http://www.mtu.edu/provost/office/vice-president/measures/

Quality Measures Dashboard

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<td>Graduated</td>
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As Michigan Tech

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<th>Full-time Academic Faculty Time (Hrs)</th>
<th>2008-09</th>
<th>2009-10</th>
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<th>2012-13</th>
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<td>Performance Measure</td>
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<td>Average Teaching Evaluation Score</td>
<td>10000</td>
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<td>10000</td>
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Output

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<td>Graduation Rate Time-to-Program Completion</td>
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Graduation Rates as a Function of Mean ACT

Source: http://www.mtu.edu/provost/office/vice-president/measures/
Update on “Open Pathway” Accreditation Process

- Michigan Tech’s accreditation was reaffirmed in 2012 through the Academic Quality Improvement Program (AQIP) process.
- In 2012-13, Higher Learning Commission made changes to both AQIP and the “old” accreditation process.
- In 2013, Michigan Tech elected to move to the Open Pathway, a new pathway for institutions that have been accredited for more than 10 years.
  1. meet five criteria for accreditation –  
     4 year assurance review (AY 2015-16),
  2. complete a Quality Initiative prior to the next comprehensive evaluation in 2023.

Key Guiding Values and Criteria

Focus on student learning
Education for a diverse, technological, globally connected world

Culture of continuous improvement

Evidence-based institutional learning and self-presentation

Teaching and Learning: Quality, Evaluation, Improvement

Assessment must be deeply embedded in the institution’s activity!
**Student Learning Goals:** designed to align with the university’s strategic plan, professional accreditation outcomes (ABET, AACSB, SAP), and American Association of Colleges and Universities (AAC&U) Essential Learning Outcomes.

- Goal 1: Disciplinary Knowledge
- Goal 2: Knowledge of the Physical and Natural World
- Goal 3: Global Literacy (2015-16)
- Goal 4: Critical and Creative Thinking (2016-17)
- Goal 5: Communication (2013-14)
- Goal 6: Information Literacy (2014-15)
- Goal 7: Technology
- Goal 8: Social Responsibility and Ethical Reasoning

Assessment of General Education (2,3,4,5,6,8) Degree Programs

**10 year Changes in Undergraduate Program Offerings in COE, CSA**

<table>
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<tr>
<th>Major (COE 2013)</th>
<th>Total (20)</th>
<th>(relatively) new</th>
<th>% female</th>
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<tr>
<td>General Engineering (EN)</td>
<td>353</td>
<td>352</td>
<td>36%</td>
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<tr>
<td>Chemical Engineering (CHE)</td>
<td>109</td>
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<tr>
<td>Materials Science and Engineering (MSE)</td>
<td>123</td>
<td>121</td>
<td>39%</td>
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<tr>
<td>Biomedical Engineering (BE)</td>
<td>205</td>
<td>204</td>
<td>49%</td>
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<tr>
<td>Environmental Engineering (EE)</td>
<td>164</td>
<td>165</td>
<td>49%</td>
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<tr>
<td>Geology (GEO)</td>
<td>100</td>
<td>99</td>
<td>49%</td>
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<td>Mechanical Engineering (ME)</td>
<td>150</td>
<td>151</td>
<td>50%</td>
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<tr>
<td>Electrical Engineering (EE)</td>
<td>107</td>
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<td>50%</td>
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<tr>
<td>Aerospace Engineering (AE)</td>
<td>83</td>
<td>84</td>
<td>50%</td>
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<tr>
<td>Computer Engineering (CP)</td>
<td>12</td>
<td>11</td>
<td>50%</td>
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<tr>
<td>Civil Engineering (CE)</td>
<td>122</td>
<td>121</td>
<td>50%</td>
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<tr>
<td>Geophysical Engineering (GE)</td>
<td>5</td>
<td>5</td>
<td>50%</td>
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<tr>
<td>TOTAL UG 2013</td>
<td>3457</td>
<td>526</td>
<td>35.2%</td>
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<tr>
<td>TOTAL UG 2003</td>
<td>3368</td>
<td></td>
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<tr>
<td>Net 2013-2003</td>
<td>189</td>
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Program Post-Implementation Review Examples
PROPOSAL 17-06 EXERCISE SCIENCE, B.S. (2006)

Resource analysis was based on 66 students in steady state:

Discounted (30%) tuition revenue: $347,607  
(based on 66 students: 66 x $5,250)

Total expense: $166,000  
(1 additional faculty, 2 GTA, 0.5 part-time)

Net Profit/Loss $181,607

Registrar Fall 2013: 68 students x $11,858 = $806,344

PROPOSAL 14-07 HEALTH AND PHYSICAL EDUCATION  
MAJOR, B.S. (2007)

Concentration in Fitness and Sports Management  
Concentration in Secondary Education

Expect 60-80 students enrolled in the major (steady state).

Anticipate ~2/3 of students in the Fitness and Sports Management concentration due to higher job placement  
(expected employment growth of 27% or higher over the next ten years).

~1/3 of the students in the Secondary Education concentration.

Enrollment in the Secondary Education option did not materialize to be cost-effective.
Proposal 47-11 (2011) Degree Name Change from B. S. in Health & Physical Education – Fitness & Sports Management concentration To B. S. in Sports and Fitness Management

shelve the Secondary Education concentration –

focus on the highly successful B.S. in Exercise Science and the Fitness and Sports Management concentration of the BS in Health and Physical Education

-> Rename to Sports and Fitness Management

Registrar Fall 2013: 34 students x $11,858 = $415,030

New Initiatives:

1. Pavlis Honors College
2. ACIA - Alliance for Computing, Information, and Automation
3. K12 Outreach – Current Projects, DOW Foundation Grant

Pavlis Honors College

Mission: The Pavlis Honors College will provide an all-university home for challenging, interdisciplinary, undergraduate scholarly activities and enriched academic opportunities available in and through Michigan Tech.

Honors Institute
Enterprise
Pavlis Institute for Global Leadership
Research Scholars Program
Summer Undergraduate Research Fellowship Program
Competitive National and International Scholarships and Fellowships Advisor

Other “Plus Factor” Programs to be explored
First Dean of Pavlis Honors College:

Lorelle Meadows has been appointed dean of the newly established Pavlis Honors College.

Meadows comes to Michigan Tech from the University of Michigan—Ann Arbor, where she served as assistant dean of academic programs in the College of Engineering with a wealth of experience in leadership and administrative roles, from first-year programs to broadly overarching programs that transcend departmental boundaries.

**ALLIANCE FOR COMPUTING, INFORMATION AND AUTOMATION (ACIA)**
Faculty ratified Charter March 10, 2014, First retreat June 25, 2014

Executive Committee (rotating chair (ECE, CS, SOT))
First Chair: Dan Fuhrmann
Joint Strategic Planning
Common Website

**ACIA Curriculum Committee**
Curriculum Changes across three units
Avoid resource/course duplication
Consolidate course offerings

**Gap areas/Needs in**
Apps Development for Mobile Devices
Visual Analytics
Game Development
Computer Vision
Cyber Security
Social Computing
Natural Language Processing
Robotics

**ACIA Research Center**
Director
High Performance Computing
Immersive Visualization Studio

**NSF Expeditions in Computing**
Path to research and education
for future of computing & information

**ARL (Army Research Lab)**
Cyber Security Collaborative Research Alliance

**K12 Outreach – Current Projects, DOW Foundation Grant**

_Michigan Tech_
_and_

_K-12 Education_

A Report on Current Activity

_SPRING 2014_

This report is an update of the 2009 report:
* a summary of recent and current collaborations between Michigan Tech and K-12 students and teachers
* demonstrates that the scope and range of Michigan Tech’s involvement in K-12 education is remarkably broad and deep
* 2013-14: $11.2 million education-related funding
Mr. Woychowski asked how the Mi-Star interplays with other similar strategies that are being conducted at the state or national level, such as Project Lead the Way.

Dr. Jackie Huntoon, Dean of the Graduate School, responded that one of the school districts that we have been working closely with for the past five years has actually just taken on Project Lead the Way. It is focused on engaging students in the engineering practice at all grade levels. It has been shown to be effective for students, but there is some questions now as to the effectiveness for the students that are already the high achievers, and the students who are average or perhaps below average are not getting as engaged as they might be. The school district in particular that we have been working with is having some real problems with engaging in Project Lead the Way because they all have to use AutoCad which takes 8GM of RAM memory on all the computers. They don’t have that and they don’t have the money to put that in place, so they are not able to use the AutoCad in as many classes as they wanted. Plus, they are having to send their teachers to a week-long AutoCad training session which is very expensive and the teachers are not thrilled about having to do this on top of other activities. What we are trying to do instead is to provide the teachers with a basic set of
information that can be customized in their own districts. Therefore, if you have a district that doesn’t have a lot of resources you might be able to do things that don’t require so much computer hardware and software. Project Lead the Way has a very set curriculum and very set software that you use, and we are trying to do everything so that it is a web-based free available resource that is blessed by the Michigan Department of Education. Urban high need schools that don’t even have money right now to buy science textbooks can download units and modules to use. As things change they can be updated, and you don’t have to buy a whole new set of textbooks.

Mr. Woychowski added that if there are opportunities for collaboration or synergies between them, or any assistance needed, he is on the Board of Project Lead the Way.

**Research and Sponsored Programs Report**

Dr. Dave Reed provided the Board with the following report.

![Sponsored Program Summary](image)

**Outline**

- NSF CAREER Award Recipients
- Sponsored Awards, Preliminary FY14
- Research Expenditures, Preliminary FY14
- Intellectual Property/Commercialization, Preliminary FY14
- Corporate Sponsorship, Preliminary FY14
NSF’s CAREER Program

- The CAREER Program is the National Science Foundation's most prestigious award
- Funds support early-career (untenured) STEM faculty for five years with the goal of building a foundation for a lifetime of STEM leadership
- Recognizes leaders in the integration of research and education
- Through FY13, Michigan Tech has had 35 CAREER recipients

Zhuo Feng
Department of Electrical and Computer Engineering
CAREER: Leveraging Heterogeneous Manycore Systems for Scalable Modeling, Simulation and Verification of Nanoscale Integrated Circuits

Future nanoscale integrated circuit (IC) subsystems may reach unprecedented complexity, involving billions of circuit components, making their modeling, analysis and verification tasks prohibitively expensive and intractable with existing EDA tools. On the other hand, emerging heterogeneous manycore computing systems can theoretically deliver teraflops of computing power. This proposal aims to accelerate a paradigm shift in EDA research to more energy-efficient heterogeneous computing regimes by developing systematic hardware/software approaches to achieve scalable integrated circuit modeling, simulation and verifications.

Shiyan Hu
Department of Electrical and Computer Engineering
CAREER: Integrated Research and Education in Physical Design Automation for Nanotechnology and VLSI Technology Co-Design

In VLSI chip design, the prevailing copper interconnect technology is approaching its fundamental physical limits, and novel on-chip interconnect materials such as carbon nanotubes and graphene nanoribbons have emerged as promising replacement materials. This project will develop a novel nanotechnology interconnect and copper interconnect co-design methodology which also includes various innovative enabling techniques such as co-design-aware interconnect synthesis and defect aware optimization. It has the potential to make fundamental contributions to the emerging carbon nanotube and graphene nanoribbon based integrated circuit design paradigm.
Mo Rastgaar  
Department of Mechanical Engineering-Engineering Mechanics

CAREER: Steerable Powered Ankle-foot Prostheses for Increased Mobility in Amputees

Over one million US citizens are limb amputees, primarily lower leg amputees. While powered prostheses reduce metabolic cost and improve gait speed, walking on uneven ground and turning steps remain challenging. Studies show that turning steps account for 8-50% of steps, may account for 25% of daily steps. This study aims to understand the human ankle function during different maneuvers in activities of daily living, especially turning. The developed knowledge will be incorporated in the design of a steerable, powered ankle-foot prosthesis capable of steering and traversing slopes, to enhance agility and maneuverability in amputees.

Tolou Shokuhfar  
Department of Mechanical Engineering-Engineering Mechanics

CAREER: A New Perspective on Biominerallization in Healthy and Dysfunctional Ferritins

Any dysfunction of ferritin protein can result in iron toxicity, serious illness, chronic diseases, and especially neurological diseases. Dysfunction in ferritin results in the alterations in the biominerallization of the ferritin core, and therefore, understanding the process of biominerallization within ferritin, is of great importance in the study of neurodegeneration and other chronic diseases. This project will investigate the in situ crystallization of ferrous ions into crystalline ferrite and iron oxide nanoparticles as well as the deminerallization of crystalline core in healthy and dysfunctional ferritins in unprecedented resolutions within liquids. The goal of the work is to unveil the fundamental differences with dysfunctional ferritins responsible for neurological diseases.

Chaoli Wang  
Department of Computer Science

CAREER: Effective Analysis, Exploration and Visualization of Big Flow Data to Understand Dynamic Flows

The goal of this CAREER project is to pioneer a comprehensive framework toward effective visual understanding of flow fields by:
- promoting an innovative database approach to shape-based field line modeling and classification,
- investigating new string-, sketch- and graph-based interfaces and interactions for flow field exploration, and
- exploring occlusion and clutter reduction through unconventional streamline repositioning and automatic tour generation.
### Sponsored Awards, Preliminary FY14

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>FY 13</th>
<th>FY 14</th>
<th>FY 15</th>
<th>FY 16</th>
<th>FY 17</th>
<th>Variance</th>
<th>Variance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF</td>
<td>327</td>
<td>326</td>
<td>327</td>
<td>328</td>
<td>330</td>
<td>0</td>
<td>0.6%</td>
</tr>
<tr>
<td>NIH</td>
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<td>491</td>
<td>491</td>
<td>491</td>
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<td>0.0%</td>
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<tr>
<td>DoD</td>
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<td>74</td>
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<tr>
<td>DARPA</td>
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<td>11</td>
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<td>11</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>NIH Intramural</td>
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<td>6</td>
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<td>6</td>
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<td>0.0%</td>
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<tr>
<td>Other Federal Awards</td>
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<td>346</td>
<td>346</td>
<td>346</td>
<td>346</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>Total</td>
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<td>491</td>
<td>0</td>
<td>0.0%</td>
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</table>

- **Grand Total**: 491,000,000

### Sponsored Awards, Preliminary FY14

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</tr>
</tbody>
</table>

- **Grand Total**: 491,000,000
Audit and Finance Committee Report

Mr. Baldini reported that the Audit and Finance Committee has met on two occasions since the last Board meeting.

The Committee reviewed the preliminary June 2014 financial results, which shows an increase in net assets in the general fund of $695,000 and the current fund with a positive balance of $2.9 million. The current funds cumulative fund balance is $16.9 million, which is the best it has been in over a decade.

Julie Seppala, Treasurer of the Board of Control, will present a high level review of the preliminary 2014 financial results, after this report.

A multi-year maintenance plan for Daniell Heights was reviewed, and will be incorporated as part of the FY16 general fund budget. It should be noted that we are moving forward with Daniell Heights. It has been an issue that has been discussed by the Board, and we thank the Administration for putting a plan together for renovating Daniell Heights over the next four or five years.

The Committee received an update from the financial strategist in regards to aligning our financial strategy with our strategic plan, and reviewed the proposed internal audit schedule for FY15.

We reviewed an action for today’s meeting in regards to a revision to Board of Control Policy 11.1. General Investment Policy, and the Audit & Finance Committee endorses the approval of this policy revision.

Other items reviewed by the Audit and Finance Committee included:

- Historic Metrics and 5 year Targets
- Audit and Finance FY15 Calendar – It should also be noted that the new GASB rules will be coming into effect, therefore, next year when we make this presentation we will be showing a lot more liabilities on our books. It is not because things are going south on us, it is just that these are the new accounting rules which will be applicable across the country.
- Internal Audit Follow-up Report
- Continuous Improvement using Lean Principles Update – Mr. Baldini complimented everyone who has continued to work on this, which has become part of the culture of the university.
- Capital Projects Update - The KRC building is completed, and the John Edgar McAllister Welcome Center is on schedule, with the dedication and ribbon cutting ceremony planned for Homecoming.
Treasurer’s Report

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

---

**Balance Sheet**

**Condensed Statement of Net Position**

*as of June 30, 2014 (unaudited – in thousands)*

<table>
<thead>
<tr>
<th></th>
<th>University</th>
<th>Tech Fund</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASSETS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Assets</td>
<td>31,313</td>
<td>$ 3,647</td>
<td>31,313</td>
</tr>
<tr>
<td>Noncurrent Assets</td>
<td>260,732</td>
<td></td>
<td>260,732</td>
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<tr>
<td>Capital Assets, net</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Noncurrent Assets</td>
<td>108,148</td>
<td></td>
<td>108,148</td>
</tr>
<tr>
<td><strong>TOTAL ASSETS</strong></td>
<td>320,214</td>
<td>122,180</td>
<td>442,393</td>
</tr>
<tr>
<td><strong>LIABILITIES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Liabilities</td>
<td>21,566</td>
<td>$ 707</td>
<td>22,269</td>
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<tr>
<td>Noncurrent Liabilities</td>
<td>83,738</td>
<td>4,418</td>
<td>88,156</td>
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<tr>
<td><strong>TOTAL LIABILITIES</strong></td>
<td>105,340</td>
<td>$ 5,125</td>
<td>110,465</td>
</tr>
<tr>
<td><strong>NET POSITION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investments in capital assets, net of related feet</td>
<td>$ 189,945</td>
<td></td>
<td>189,945</td>
</tr>
<tr>
<td>Other net positions, restricted and unrestricted</td>
<td>108,065</td>
<td>312,227</td>
<td>312,227</td>
</tr>
<tr>
<td><strong>TOTAL NET POSITION</strong></td>
<td>220,029</td>
<td>122,180</td>
<td>342,209</td>
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<tr>
<td><strong>TOTAL LIABILITIES &amp; NET POSITION</strong></td>
<td>323,232</td>
<td>122,180</td>
<td>445,412</td>
</tr>
</tbody>
</table>

---

**Current Fund FY14**

*(in thousands)*

<table>
<thead>
<tr>
<th></th>
<th>Original Projection</th>
<th>Preliminary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>$ 261,812</td>
<td>$ 264,899</td>
</tr>
<tr>
<td>Expense</td>
<td>$ (261,086)</td>
<td>$ (261,161)</td>
</tr>
<tr>
<td>Net Income</td>
<td>$ 724</td>
<td>$ 3,738</td>
</tr>
<tr>
<td><strong>Current Fund Balance</strong></td>
<td>$ 13,919</td>
<td>$ 16,933</td>
</tr>
</tbody>
</table>

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

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

Surpassed FY 14 goal of $30.80 million

Raised $30.94 million!
VI. CONSENT AGENDA

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

VI-A. Approval of Minutes

It was moved by T. Baldini, supported by R. Jacquart, and passed by voice vote without dissent, that the minutes of the formal session of May 2, 2014, as distributed to the Board, be approved.

VI-B. Degrees in Course

It was moved by T. Baldini, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Control approves the awarding of the degrees as specified for Conferral Term 201401, to each of the candidates listed, and offer congratulations.
<table>
<thead>
<tr>
<th>Degree</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts in Communication, Culture, and Media</td>
<td>Armando Flores</td>
</tr>
<tr>
<td>Bachelor of Arts in English</td>
<td>Stephanie Kay Spicer</td>
</tr>
<tr>
<td>Bachelor of Arts in Sound Design</td>
<td>Thomas William Conran</td>
</tr>
<tr>
<td>Bachelor of Arts in Liberal Arts</td>
<td>Collin Kraig Doerr-Newton</td>
</tr>
<tr>
<td>Bachelor of Arts in Liberal Arts - History</td>
<td>Matthew Stephen Narney - Magna Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Arts in Scientific and Technical Communication</td>
<td>John Matthew Watza</td>
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<tr>
<td>Bachelor of Science in Accounting</td>
<td>Taylor Christine Stippel - Summa Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Economics</td>
<td>Stephen Alan Moray - Magna Cum Laude</td>
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<tr>
<td>Bachelor of Science in Engineering Management</td>
<td>Jessica M Comfort - Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Finance</td>
<td>Faye E Dompier - Cum Laude</td>
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<tr>
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<td>Sara Lyn Schram - Magna Cum Laude</td>
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<td>Katelyn E Waara - Cum Laude</td>
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<td>Brady James Tervo</td>
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<tr>
<td>Bachelor of Science in Accounting</td>
<td>Robert Bruce Baker</td>
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<td>Rhonda Kay Heusinkveld - Cum Laude</td>
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<td>Haoran Li</td>
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<td>Dennis John Rix</td>
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<tr>
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<td>Mandi Marie Severn</td>
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<tr>
<td>Bachelor of Science in Management</td>
<td>Daniel John Sova - Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Marketing</td>
<td>Brock Donald Melvin Treankler - Magna Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Operations and Systems Management</td>
<td>Angela Marie Barr</td>
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<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Mitch Anthony Fedie</td>
</tr>
<tr>
<td>Bachelor of Science in Biomedical Engineering</td>
<td>Kendra Marie Rasch - Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Operations and Systems Management</td>
<td>Rachel Lynn Baeten</td>
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<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Destine I D Clark</td>
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<tr>
<td>Bachelor of Science in Operations and Systems Management</td>
<td>Min Li</td>
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<td>Bachelor of Science in Applied Geophysics</td>
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<tr>
<td>Bachelor of Science in Operations and Systems Management</td>
<td>Scott Austin Ramage</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>August James Skultety - Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Applied Geophysics</td>
<td>Neals Marie Creasy - Summa Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Biomedical Engineering</td>
<td>Danielle Christine Ahrens - Magna Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Biomedical Engineering</td>
<td>Colin H Amelin - Magna Cum Laude</td>
</tr>
<tr>
<td>Bachelor of Science in Biomedical Engineering</td>
<td>Brett William Barker</td>
</tr>
</tbody>
</table>
Bachelor of Science in Biomedical Engineering continued
Nils A Bergman
Jacob O Bjorn
Michael Edward Bostwick
Margaret A Brunette - Cum Laude
Bradley Michael Cassiday - Cum Laude
Amie Jo Chaloupka - Magna Cum Laude
Connor James Chriisman
John William Cieslewicz
Tyler E Curtis - Magna Cum Laude
Kent Donald Daavettila
Corey Scott Ernst
Joshua T Garcia
Corinne Kathleen Green - Summa Cum Laude
Alyssa Ann Hartman - Cum Laude
Emily C Helminen - Magna Cum Laude
Samantha Ann Hilliger - Cum Laude
Ethan Cody Holley
Alyssa Leigh Hynnek
Taylor Joseph Jayne - Magna Cum Laude
David Benjamin Joda - Summa Cum Laude
Derek Joseph Kohlhase - Magna Cum Laude
Joseph Thomas Kovach - Magna Cum Laude
Daniel Jonathan Loppeke - Cum Laude
Jack R Lubinski
Jonathan Edward Sullivan Mahan
Laila Marie Maki - Cum Laude
Derek Andrew Mazur - Summa Cum Laude
Cody Ronald Mingo - Cum Laude
Neil Charles Momensen - Summa Cum Laude
Rachel T Morrison
Tyler C Myers - Summa Cum Laude
Travis J Neu
Caitlyn L Privette
Andrew Phillip Shaw
Steve J Treinweiler - Cum Laude
Peter David Tropper - Cum Laude
Shannon M Twomey
Michael McMahon Warhus
William Ewald Weiner
Nicole Mariah Westphal - Magna Cum Laude
Jay Donald Woodcock - Magna Cum Laude
Anna Mari Ylitalo - Cum Laude
Ryan J Anderson
David Joseph Auriocchio
Emmaline Jean Bauer - Magna Cum Laude
Daniel Charles Becker
Jared Allen Belovich
Corinne Marie Beyer - Summa Cum Laude
Alex Leighton Bomsstad
Victor Frederico Boron - Magna Cum Laude
Jillian Lee Broadbent
Benjamin Peter Bryant
Kathleen Valdez Carpio Bussell - Cum Laude
Steven S Conn
Bryan J Daavettila

Bachelor of Science in Civil Engineering

Nils A Bergman
Jacob O Bjorn
Michael Edward Bostwick
Margaret A Brunette - Cum Laude
Bradley Michael Cassiday - Cum Laude
Amie Jo Chaloupka - Magna Cum Laude
Connor James Chriisman
John William Cieslewicz
Tyler E Curtis - Magna Cum Laude
Kent Donald Daavettila
Corey Scott Ernst
Joshua T Garcia
Corinne Kathleen Green - Summa Cum Laude
Alyssa Ann Hartman - Cum Laude
Emily C Helminen - Magna Cum Laude
Samantha Ann Hilliger - Cum Laude
Ethan Cody Holley
Alyssa Leigh Hynnek
Taylor Joseph Jayne - Magna Cum Laude
David Benjamin Joda - Summa Cum Laude
Derek Joseph Kohlhase - Magna Cum Laude
Joseph Thomas Kovach - Magna Cum Laude
Daniel Jonathan Loppeke - Cum Laude
Jack R Lubinski
Jonathan Edward Sullivan Mahan
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Jillian Lee Broadbent
Benjamin Peter Bryant
Kathleen Valdez Carpio Bussell - Cum Laude
Steven S Conn
Bryan J Daavettila
Bachelor of Science in Civil Engineering continued

Allyssa Marie Demers
Shibing Deng
Matthew James Derucki
Gregory Joseph Domanowski
Lynn M Duijndam - Magna Cum Laude
Evan P Feinauer - Magna Cum Laude
Katherine Suzanne Gauthier
Matthew Stanley Grzymkowski
Brady John Halvorson
Jennifer Grace Hoffman
Casey Marie Holvenstot
Britney Katherine Horton
Coleen Elizabeth Huling
Brian Jacob Kernstock - Magna Cum Laude
Eric Robert LaBelle
Michael Allen LaFevre - Cum Laude
Natalie Danielle Lambert - Cum Laude
Nicholas Ryan Lanoue
Ryan J Leveille
Wentao Liu
John A MacNeil
Carissa M Maes - Magna Cum Laude
Zhongyue Mao
Patrick Joseph Matlock
Evan Allen Maves
Elliott Nathan McKenna
Nathny James Mitchell - Cum Laude
John Terrance Nagle
Alex Louis Phillips
Daniel James Polakowski - Cum Laude
Samuel Oren Redinger - Cum Laude
Sarah Jane Reed - Magna Cum Laude
Nathaniel Carl Schulz - Magna Cum Laude
Alex Henry Schwenk
Alex John Seidl
Erica Sheeran - Cum Laude
Lan Shi - Magna Cum Laude
Eric Alan Simmons
Kyle J Slavik - Magna Cum Laude
Ashley Marie Smokoska
Aric Hunter Soulliere - Cum Laude
Patrick Winston Spalding
Yubin Tan - Magna Cum Laude
Matthew John Taylor - Magna Cum Laude
Tyler Kevin Tomlinson
Kelcey Reynolds Traynoff
Zachary James Weber - Magna Cum Laude
Justin Robert Wigand
Kevin J Wilks
Tianye Yang - Summa Cum Laude
Kaili Yue
Kaitlyn C Aldrich - Cum Laude
Jonathan Joseph Anderson - Magna Cum Laude
Nathan Taylor Baker
Carl Jacob Baker - Magna Cum Laude

Bachelor of Science in Chemical Engineering


Bachelor of Science in Chemical Engineering continued

Andrea Marie Bal - Summa Cum Laude
Cedrick Jamaar Barber
Ryan Joseph Barrette
Christina Mae Basso
Joel William Bellhorn - Summa Cum Laude
Lauren Danyell Bodeis
Tyler J Boyea
Alexander M Bray - Magna Cum Laude
Benjamin P Glummer
Kerstin M Cleveland
Henry D Eckert
Jordan Alec Franklin
Rose Elizabeth Greene - Cum Laude
Dalton J Guggemos - Cum Laude
Amanda Beth Guza - Magna Cum Laude
Emily Jo Harrison
Nicholas Michael Hilvak
Amber Rose Hynnek - Magna Cum Laude
Alex David Juchartz
Helena Rose Keller - Summa Cum Laude
Kerry L King - Magna Cum Laude
Michael J Klobucher
Ross Cameron Koepeke
Joshua R Kurzziel
Tyler Joel Lewis
Andrew Philip Lewis - Magna Cum Laude
Krista Leigh Lindquist
Leandra Lee Londo
Richard James Machiela - Magna Cum Laude
Ethan Michael Maday - Cum Laude
Alexander James Mager
Kelsey Brooke Maijala - Cum Laude
Matthew Aaron Malone - Cum Laude
Casey Rose McClannon
David Keith Mellon
Jacob Michael Menchak
Joshua Paul Merillat - Summa Cum Laude
Andy Charles Michaelson - Magna Cum Laude
Adam J Moritz
Zachary David Newmeyer
Matthew Christian Nitzi - Magna Cum Laude
William Angelo Pisani - Magna Cum Laude
James Edmund Podges
Mitchell D Redman - Summa Cum Laude
Mackenzie J Regner
Brian Joseph Ricchi
Jennifer S Robinson
Katelyn Patricia Rousse - Cum Laude
Connor Michael Sherrill - Magna Cum Laude
Amy Kristen Steloff - Summa Cum Laude
Elizabeth Joanna Skultety - Magna Cum Laude
Alec Gregory Soulliere - Magna Cum Laude
Katrina Pearl Swanson
Jyll Elizabeth Tusa
Jessica Jan VanHooft - Cum Laude
Bachelor of Science in Chemical Engineering continued
Dillon J Verhaeghe - Magna Cum Laude
Minjun Wang
Kenneth Michael Waypa - Cum Laude
Darryl Anthony Weaver - Magna Cum Laude
Shane Walker Welling
Christopher Shawn Young
Amina Zahid
Long Zhang

Bachelor of Science in Computer Engineering
Brendan M Baic - Magna Cum Laude
Brandon Lee Beggs - Cum Laude
Alex Ray Brick
Maxwell Bode Brock - Summa Cum Laude
John A Coffman
Kevin Michael Coleman
Matthew S Courchaine
Chris A DeJager - Magna Cum Laude
Troy Quinten Drabek
Rebecca Helen Farrer
David Charles Flachs - Magna Cum Laude
Joshua James Frankovich
Adam Eric Funkenbusch - Magna Cum Laude
Nathan James Hampshire
Patrick F Harris
Nathan Sean Hierl
Jason Keith Jamieson
Keegan J Larkin
Charles Olaf Murphy
Brent Joseph Nix
Alison Marie Pittsley
Jakkapong Saksrisuwann
Adam Michael Wilkinson
Richard J Wilson
Philip Nicolas Wolschendorf

Bachelor of Science in Electrical Engineering
Nils A Bergman
Justin Paul Breeland
Evan Charles Brest
Ronald Lee Campbell - Summa Cum Laude
Christopher Paul Cena
Chuansheng Chang
Stephen Christopher DeRoche
Connor Jameson Dennman
Stephanie Elise Deptula
Jeffrey A DuShane
Connor David Dzuibinski
Aaron David Ebejer
Kevin Michael Furlong - Cum Laude
Shane P Grady
Jonathan Michael Graves
Daniel J Greene
Cody Garrett Gustafson
Bryan David Hastlinger - Cum Laude
Jonathan W Hohol
Gaurav Jain
Steven Gary Kalmar
Andrew Joseph Krytiniak
Bachelor of Science in Electrical Engineering continued
Travis R Kuchar
Robert J Lemaux
Tyler Dennis Lemke
Jing Liu - Cum Laude
Pamela M Malburg
Andrew John Malburg - Cum Laude
Andrew Thomas Martin
Patrick Kyler Moheen
Erik Hans Meinke
Joshua T Mortl
Michael John Oates
Ryan Alexander Olson
Daniel J Parent
Anthony Charles Priest
Danielle Marie Richardson
Michael James Roskelley - Magna Cum Laude
Jacob Lawrence Shuler
Anthony D Sirotti - Cum Laude
Justin John Silva
Connor McCarthy Stone - Magna Cum Laude
Trent Arrell Sturos
Michael Patrick Switala
Piotr J Taliske
Levi G Unema
Brian L Vandevoorde
Nuoya Xu
Qinjin Yang
John R Yurgi
David James Zirbel

Bachelor of Science in Environmental Engineering
Keith Samuel Anderson
Brogan Tiel Beyette
Kasey Ann Buchholz
Shawn Roger Conard - Magna Cum Laude
Breanna Kay Cornell
Megan M Dalbec - Summa Cum Laude
Dominic M Davis - Magna Cum Laude
Taylor Paige Domagalla - Cum Laude
Benjamin Edward Downer
Serait Mulu Gebreyesus
Kaitlin Louise Hannum
Lauren Kimberly Manczewicz
Evan Allen Maves
Christa Louise Meingast - Cum Laude
Mitchell Lawrence Murphy
Michael A Polkinghorn
Anna Marie VanderKodi - Summa Cum Laude
Valerie Lynn Wilson - Cum Laude
Jonathan Daniel Witham - Magna Cum Laude
Sonja Annelise Mueller - Cum Laude
Daniel M Nevins - Cum Laude
Jay Alan Raymer
Brian Patrick Rumschlag - Cum Laude
Kevin Patrick Spence

Bachelor of Science in Geological Engineering

Bachelor of Science in Geology
Jeffrey Michael Baecckeroot - Cum Laude
Krystle Rose Boks
Bachelor of Science in Geology continued
Bachelor of Science in Mechanical Engineering

Rachael Elizabeth Pressley
Lina Amal Al-Omari - Magna Cum Laude
Ethan Gregory Archambault
Caleb Scott Bauer
John G Bennett
Clayton T Bethke
Alec Edward Bolthouse - Magna Cum Laude
Brian A Boyce
Collin M Brown
Margaret A Brunette - Cum Laude
Brady Russell Burby
Jaclyn Marie Burtka
Michael Peterson Carey - Cum Laude
Daniel Nathan Carpenter
Timothy Kainz Reaume Cencer - Cum Laude
Brook Adam Chiamulera - Cum Laude
Nicholas James Christenson
Alisha Ryan Clark
Steven Joseph Clark
Tyler Lee Cohoon
William John Cretens - Magna Cum Laude
Benjamin Michael Damschroder
Sarah Maureen Daniels - Cum Laude
Matthew A Dazell
Zachary Christopher Denault
Amit Shyam Dhedia
Chad Patrick Dickershied
Benjamin Edward Dion
Jeff William Dunstan
Kyle David Feldpausch
William M Fick
Matthew T Frantz - Cum Laude
Timothy Michael Frasier
Thomas R Gruber
Christian James Haiss - Magna Cum Laude
Gregory Dwayne Hardy
Ashley Dee Haren - Cum Laude
Ryan Jonathan Hess
Alison Lynn Hilditch
Derrick D Hilliker
Bryan Christopher Hughes
Adam Matthew Jacobson
Sumit Abhay Jaripatke
Binxin Jiang
Mark William Johnson
Bradley Paul Johnson
Kraig A Kadetz
John James Keepers
In Kyoung Kim
Cody J Kippenhan - Cum Laude
Michel David Knudsen - Cum Laude
Jon Marcus Knutson
Andrew Thomas Komurka - Summa Cum Laude
Austin William Korfhage
Matthew Edward Kowalkowski
Bachelor of Science in Mechanical Engineering continued

Ryan Marshall Legato - Magna Cum Laude
Daniel Jonathan Leppke - Cum Laude
Michael Robert Leveille - Cum Laude
Zhe Liu
Matthew James Ljung
Devin William Loeks - Cum Laude
Jon Gregory Loesche
Nicole Lynn Maggi
Robert Michael Matthews - Magna Cum Laude
Alan Richard Mattson - Magna Cum Laude
Rachael Nicole McFarland
Brandon Harvey Miller
Jeremy J Moseley
Mark A Nettell
Andris Ree Nyenhuis - Magna Cum Laude
Matthew M Oestreich
Justin Matthew Oterhout
Travis Richard Pennala
Eric Wayne Phillips
Earl Joseph Plimpton
Andrew Scott Pospsychala
Tylor Crane Rathnauck - Magna Cum Laude
Max L Rebottaro
Andrew James Reed
Gregory David Reed
Michael John Rinke
Evan Michael Rosemore
Kristi A Ross - Magna Cum Laude
Steven Robert Saliga - Magna Cum Laude
Dustin Frank Scherr
Becky Sue Schlab
Zachary Scott Schneider
Andrew Phillip Shaw
Tyson George Shink
Ritik Singh
Rachel Rose Smith
Jameson Robert Smits
Jacob Strack
David J Strobel
Oskar Jacob Strojný
Matthew Joseph Stuut
Jocelyn Louise Tervo - Summa Cum Laude
Brent Michael Thorne - Cum Laude
Jordan Dean Tobey
Jennifer Marie Town
John Thomas Troost
Shawn Lowell Troyer
Derek J Turner
Daniel John VanAlstyne
Joseph Keith Venier
Kyle Gerrit Ver Hoeve - Cum Laude
Christian Chase Vreeland
Jaymes Matthew Wainright - Summa Cum Laude
Caleb Edward Walk
Béthanie Marie Wojey
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<tr>
<td>Bachelor of Science in Mechanical Engineering continued</td>
<td>Nathan M Wolak</td>
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<td>Bachelor of Science in Materials Science and Engineering</td>
<td>Alisha Ryan Clark</td>
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<td>Natasha Miyuki Felzer</td>
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<td>Bachelor of Science in Biological Sciences</td>
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<td>Stephanie Erin D'Annunzio - Cum Laude</td>
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<td>Danna Rose Kasom - Magna Cum Laude</td>
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<td>Jonathan Matthew Kiipela - Summa Cum Laude</td>
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Bachelor of Science in Biological Sciences continued
Sarah Anne Kostick - Summa Cum Laude
Sarah Lynn Kuiper
Taylor K Lugrinbill
Megan M Martell
Jared Michael Meyette - Summa Cum Laude
Brooke Autumn Ostaszewski
Amber Marie Ranski
Ryan William Richards
John David Ross - Cum Laude
Alyssa Rae Sipes - Summa Cum Laude
Theresa Kay Smalley - Cum Laude
Bradley A Stebner - Summa Cum Laude
Allison Kelsey Struthers
KJ Thiekan
Staci Nicole Thornton
Jackson George Unteriner - Summa Cum Laude

Bachelor of Science in Chemistry
Daniel Thomas Beegle - Cum Laude
Morgan Marguerite Cencor - Summa Cum Laude
Jayna Kaylynn Feinauer - Cum Laude
Shari Melissa Konst - Magna Cum Laude
Andrew Joseph Perla
Thomas H Schneider

Bachelor of Science in Cheminformatics
Christopher James Stewart
Kathryn Elizabeth Weinand - Summa Cum Laude

Bachelor of Science in Pharmaceutical Chemistry
Kerstin M Cleveland
Adam M DeSalvo
Joseph Robert Fedie
Rebecca Jean Gervais - Magna Cum Laude
Nathanael Herz Green - Magna Cum Laude
Connor James Olds
Katie Marie Pappas - Cum Laude
Nikolai Edward Pleniazek

Bachelor of Science in Computer Science
Briana Christina Bettin - Cum Laude
Karl Patrick Brogren - Magna Cum Laude
Emily Kay Christ - Magna Cum Laude
Stephen James Dankowitz
Brian Thomas Duszynski
Kyle Joseph Hashman
Thomas Steve Holmes
Kyle Mason Kralapp
Robert P Narhi
Tyler Brennan Novak - Cum Laude
Nathan T Peterson
Justin D Ploe
Andrew Frank Prusinowski
Scott Gregory Ringwelski - Magna Cum Laude
Eric James Rinkus
Parker Allan Ross
Alexander Joseph Schlicker
George R Schroeder
Tyler Scott Sommer
Robert Stephen Sullivan - Summa Cum Laude
Anthony Michael Tiao
Calvin Scott VanSickle - Summa Cum Laude
Keng Vang
| Bachelor of Science in Computer Science continued | Daniel Leigh Williams  
| Xin Jie Zhang  
| Bachelor of Science in Computer Systems Science | Ryan Michael Bakker - Cum Laude  
| Jacob Michael Willse  
| Bachelor of Science in Exercise Science | Paige E. Albi - Cum Laude  
| Austin John Armga - Magna Cum Laude  
| Natalie Sloan Berryman - Cum Laude  
| Jared Harold Berryman  
| Janna L. Clement - Cum Laude  
| Abigail Ruth DeWitt - Magna Cum Laude  
| Kate Lynn Gledowski - Cum Laude  
| Taylor Rae Kaurala  
| Alexander Michael Kuck - Magna Cum Laude  
| Sarah Alma Lehman - Summa Cum Laude  
| Breanne Denise Munson  
| Brita Mary Peterson - Cum Laude  
| Brandon Wayne VanAcker  
| Amanda R Whiting  
| Bachelor of Science in Audio Production and Technology | Nathan Hunter  
| Alison Marie Pittsley  
| Bachelor of Science in Theatre and Entertainment Technology | Thomas Edward Sullivan  
| Mathew Troy Willett  
| Bachelor of Science in Mathematics | Jared Tatsuo Nakamura - Magna Cum Laude  
| Heather Michelle Sanford  
| Amanda Denee Stenzelbarton - Magna Cum Laude  
| Isaac Todd Wilka  
| Lena Maude Wilson - Magna Cum Laude  
| Jennifer Rebecca Connors  
| Ty Michael Koenigs  
| Olivia Sera Olsen  
| Madeline Anastasia Toptzes - Summa Cum Laude  
| Roger Dywane Yeager  
| Bachelor of Science in Biochemistry and Molecular Biology | Cody R Campbell  
| Claire Autumn Lois Johnson - Cum Laude  
| Brook Marie Bedore - Cum Laude  
| Britney Nicole Fowler  
| Andrea Lynn Kubicki - Summa Cum Laude  
| Christaina Faith Nichols  
| Bachelor of Science in Physics | Michael Christian Adler - Summa Cum Laude  
| Joseph Charles Charnawaskas  
| Stephen Wilson Cipple  
| Greg David Furlow - Magna Cum Laude  
| Sawyer Stanley Eurich Hopkins  
| Darcy Marie Jacobson - Cum Laude  
| Emily Anne Makoutz - Cum Laude  
| Brent Cedric Nicklas - Summa Cum Laude  
| Bachelor of Science in Psychology | Alysa Rae Cherubini-Sutinen - Magna Cum Laude  
| Katrina Elizabeth Deane - Magna Cum Laude  
| Rachel Marie Franchock  
| Nickolas Kristoffer Gravlin  
| Michael Christian Hilliard  
| Rachael Marie Huff - Magna Cum Laude  
| William Everelt Lehman - Magna Cum Laude  
| Tessa K Mauer - Magna Cum Laude |
Bachelor of Science in Psychology continued
Macy Jo McDonnell
Madeline Jean Peabody
Heather Lynn Sukkas - Summa Cum Laude
Michael C Way

Bachelor of Science in Software Engineering
Austin Riley Brown - Magna Cum Laude
Collin Nathaniel Kappauf
Tristan Joseph Mudd - Summa Cum Laude
Jonathan Daniel Nielsen - Cum Laude
Raven Rachael Rebb
Joshua J Socha - Magna Cum Laude
Michael P Stefaniak
Jacob Alan Waterman

Bachelor of Science in Sports and Fitness Management
Madeline Louise Haben
Heather Jean Kessler
David Vincent Adair Russek

Bachelor of Science in Social Sciences
Matthew W Carlson
Chanavia Smith
MaryBeth Ellen Spoehr - Magna Cum Laude

Bachelor of Science in Scientific and Technical Communication
Kerrie Elena Brown
Megan A Cole
Krysten Elizabeth Cooper - Magna Cum Laude
Pamela Ruth Landrum
Megan M Lang
Lillian Kay Manns
Javier Oliveros Torres
Alexander Blake Stepak
James William Stapleton

Bachelor of Science in Construction Management
Stephen M Crane
Colton Jeffrey Curtis
Kodjo Edzordeinam Folly
Brian A Johnson
Ian Michael Leonard
Scott Edward Pokornowski - Cum Laude

Bachelor of Science in Computer Network and System Administration
Kyle M Axline
Brett A Billington
Ben Matthew Christensen
Aaron Alexander Clark - Cum Laude
Paula Marie Hedlund
Joshua Graham Knight
Matthew A LaPointe - Cum Laude
John Theodore Lindroth
Brandon Doney Myers
Matthew Ryan Nelson
Isaac Scott Olson
Joshua Stephen Person - Cum Laude
Christopher Wendell Phillips - Summa Cum Laude
Jason David Sawyer
Justin J Shanaanquet
Andrew Wesley Siemen
Ashleigh Nicole Sleeper
Joshua W Snider
David Hamilton Stockbridge - Summa Cum Laude
Jonathan William Van Steen
Bachelor of Science in Computer Network and System Administration (continued)
Adam Gary VanderWall - Magna Cum Laude
Lucas Wade Walker

Bachelor of Science in Electrical Engineering Technology
Brandon F Breda
Ian James Bumgardner
Mohammed Jassim Bushlaibi
Joshua Michael Erickson - Magna Cum Laude

Bachelor of Science in Engineering Technology
Todd Arnold DesNoyers

Bachelor of Science in Mechanical Engineering Technology
Keyton Bradley Barrone
Kelsey Jordan Beyer
Lydia Maygen Brame
Alexander John Cain
Brent Alan Chaillier - Cum Laude
Robert Chase - Cum Laude
Steven F Ellingsen
Cody Taylor Fackenherd
Jonathan W Koski
Matthew James Laskaska
Matthew Thomas Liebergen
Matthew Donald Martin - Cum Laude
Adam Michael Morse
Marcus Sterling Plant
Troy Michael Podges
Michael David Przybyez
Brenden Michael Schulz
Paul Stefan Strzałkowski - Magna Cum Laude

Bachelor of Science in Surveying Engineering
Stephen N Ball
John A Kaminski

Master of Engineering in Engineering
Hsun-Ting Fu
Brian Andrew Stetter

Master of Forestry in Forestry
Thomas John Witherspoon
Shengnan Li
Thanyalak Suthijindawong
Yan Wu
Di Wu
Qin Xu

Master of Science in Applied Natural Resource Economics

Master of Science in Biomedical Engineering
David Raymond Weyland
Kurt-Erich Breitenbuecher
Mohd Rosli Mohd Hasan
Adriano Rothschild
Abdullahi Muhammad Salman
Patrick Thomas Spencer
Stephanie Lee Watts-Garcia
Minghao Wu

Master of Science in Civil Engineering
Alexander David Culy
Daniel Patrick Fogliatti
Joseph A Hall
Osinachi Ugonna Onyegbula
Phani Krishna Parupalli
Hongyu Xie

Master of Science in Chemical Engineering

Master of Science in Computer Engineering
Jehanzeb Ashraf
Matthew D Dugan
Abhijeet Arun Omble
Bijay Kumar Pathak
Kaiyan Aditya Surapaneni
Master of Science in Computer Engineering continued
Shamili Tummala
Amol Subhash Wagh
Zijian Zhang

Master of Science in Electrical Engineering
Abdulaziz Abdullah Alorf
Rashed Othman M Alrasheed
Yaw Adjei Amoh
Manjunath Bapur Kumathli
Mayur Rajendra Beviskar
Richard Charles Beauclear
Brian Charles Bejouk
Pranav Suhas Bhatkhande
Sairi Sanjiv Brahme
Jacob James Carrick
Kuan Lin Chen
Kunal Chitnis
Bharath Dantuuri
Andrew John DeRouin
Erdem Can Doganay
Liqiang Du
Benjamin Michael Harris
Andrew James Hoekstra
Basel Ahmed Ishwalt
Lakshmi Janardhan
Tejashee Chandrashekar Kulkarni
Anupam Rawindra Mehendaley
Ritam Misra
Souresh Mukherjee
Sarvesh Patil
Aditi Ram Prasad
Cesar R Roda
Kyle J Rogers
Edmund Gaines Shannon
Rohit Sharma
Pranay Tayal
John C Town
Ke Xu
Zhenyu Ye

Master of Science in Environmental Engineering
Chenfu Huang
Erica Kathryn Jones
Kaye Margaret LaFond

Master of Science in Geology
Deniele Alami

Master of Science in Mechanical Engineering
Gaurav Arun Agnihotri
Yasir Mohammed Aflalayyih
Miya Neeloy Kumar Bakshi
Bhiskar Bijan Banerjee
Michael Joseph BEL
Vikrant Vivek Chidawar
Charles A Clement
Arjun Sai Santosh Darbha
David Charles Deisenroth
Almitra Vilar Desai
Shreerang Dhabe
Evandro Malcon Ficarha
Amol Vijaykumar Galande
Master of Science in Mechanical Engineering continued
Debmatha Ganguly
Abhijit Singh Girase
Ajinkya Vishwas Gitapathi
Ajinkya Arun Gujar
Aashish Ramprakash Gupta
Amar Rajendra Jadhav
Venugopal Yuvraj Jakhotia
Rahul Janarthanan
Abhishek Joshi
Ashutosh Kadam
Apurva Anil Kambale
Yogesh Purshottam Kanabar
Venkat Sai Rao Rattamreddy
Vasudev Sureshra Karve
Vipul Arun Khinnavara
Evan Gordon Lucas
Varun Nitin Lunavat
Pratik Prakash Mahamuni
Sunit Satheesan Menon
Shashank Shrikant Moghe
Aditya Mohanty
Verkata Krishna Teja Nagapalli
Amit Govind Patil
Amritkumar Balasub Patil
Koustubh Penderkar
Naag Piduru
Pradin Ajit Rege
Craig David Reynolds
Shriam Subramanian
Zicheng Sun
Faisal Ahmed Syed
Yoga Mahadev Uplane
Viraj Sandeep Vartak
Verkata Sesharam Hari Karthik Vedam
Veera Verkata Naga Durga Suresh Kumar Ventrapragada
Yun Wang
Guangchen Xiong
Anqi Xue
Yachan Zhang
Bin Zhou
Kristina N Flesher
Brook Forni Alloway
Saeed Abdullah Binsaabian
Brian M Danhoff
Jianhai Su
Xiang Zhuang
Jayesh Dilip Borde
Andrew W Boettcher
Ryan Walter Bruner
Stephanie L Kaipust
Jeremy Alan Syrjanen
Nathasha Samangi Weerasinghe
Colin Wayne Gurganus
Renee Michelle Gurganus
VI-C. Gifts

It was moved by T. Baldini, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Control acknowledges the gifts to Michigan Technological University.

Michigan Technological University
Michigan Tech Fund
Gift Activity Cash Report
July 1, 2013 through June 30, 2014
Compared to Prior Year

<table>
<thead>
<tr>
<th>Gift Type</th>
<th>FY14 YTD Total</th>
<th>FY13 YTD Total</th>
<th>$ Change from Previous Fiscal Year</th>
<th>% Change from Previous Fiscal Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash (current year)</td>
<td>8,187,087</td>
<td>6,445,963</td>
<td>-258,267</td>
<td>-3.1%</td>
</tr>
<tr>
<td>Realized Planned Gifts (current year)</td>
<td>310,580</td>
<td>1,351,821</td>
<td>-1,041,241</td>
<td>-77.0%</td>
</tr>
<tr>
<td><strong>Current Year Subtotal</strong></td>
<td>8,498,267</td>
<td>5,797,544</td>
<td>-1,299,317</td>
<td>-13.3%</td>
</tr>
<tr>
<td>Cash (receipts from prior year pledges)</td>
<td>1,714,420</td>
<td>3,823,716</td>
<td>-2,109,296</td>
<td>-55.2%</td>
</tr>
<tr>
<td>Realized Planned Gifts (previously recorded)</td>
<td>2,408,700</td>
<td>1,737,240</td>
<td>671,460</td>
<td>38.6%</td>
</tr>
<tr>
<td>Receipts from Previous Year Subtotal</td>
<td>4,183,179</td>
<td>5,560,959</td>
<td>-1,377,779</td>
<td>-24.8%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>12,681,447</td>
<td>15,358,543</td>
<td>-2,677,096</td>
<td>-17.4%</td>
</tr>
</tbody>
</table>
VI-D. Resignations, Retirements & Off Payroll

It was moved by T. Baldini, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Control accepts the resignations and confirms the off payroll determinations.
# BOARD OF CONTROL OFF-PAYROLL REPORT
(April 06, 2014 – July 05, 2014)

## Faculty

<table>
<thead>
<tr>
<th>Resignation</th>
<th>Department</th>
<th>Title</th>
<th>Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ren, Jingfang</td>
<td>Humanities</td>
<td>Assistant Professor</td>
<td>08/23/07</td>
<td>05/06/14</td>
</tr>
<tr>
<td>Tuomijoki, Joel</td>
<td>School of Bus. &amp; Economics</td>
<td>Assistant Professor</td>
<td>08/18/09</td>
<td>05/06/14</td>
</tr>
<tr>
<td>Wu, Katherine</td>
<td>Humanities</td>
<td>Lecturer</td>
<td>08/07/11</td>
<td>05/06/14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Retired</th>
<th>Department</th>
<th>Title</th>
<th>Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anderson, Carl</td>
<td>College of Engineering</td>
<td>Associate Dean</td>
<td>12/01/80</td>
<td>07/02/14</td>
</tr>
<tr>
<td>Baltensperger, Bradley</td>
<td>Cognitive &amp; Learning Sci</td>
<td>Department Chair</td>
<td>09/03/74</td>
<td>06/30/14</td>
</tr>
</tbody>
</table>

## Staff

<table>
<thead>
<tr>
<th>Exempt</th>
<th>Department</th>
<th>Title</th>
<th>Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baker, Linda</td>
<td>Univ. Marketing &amp; Comm.</td>
<td>Exec. Director</td>
<td>08/22/11</td>
<td>05/30/14</td>
</tr>
<tr>
<td>Bird, Katy</td>
<td>Housing and Residential Life</td>
<td>Residence Life Coordinator</td>
<td>09/09/11</td>
<td>06/13/14</td>
</tr>
<tr>
<td>Bret, Susanna</td>
<td>Rozsa Center for Perform. Art</td>
<td>Director</td>
<td>02/20/10</td>
<td>05/10/14</td>
</tr>
<tr>
<td>DeBaubien, Daniel</td>
<td>Information Technology</td>
<td>Chief Technology Officer</td>
<td>09/09/17</td>
<td>09/09/17</td>
</tr>
<tr>
<td>Flennin, Shezawee</td>
<td>Ctr for Diversity &amp; Inclusion</td>
<td>Director</td>
<td>07/23/10</td>
<td>05/24/14</td>
</tr>
<tr>
<td>Greenlee, Daniel</td>
<td>Fin. Svcs &amp; Oper. Exec. Dir.</td>
<td>CFO/Treas BOC</td>
<td>11/15/09</td>
<td>08/30/14</td>
</tr>
<tr>
<td>Khoury, Prisilla</td>
<td>Vice Pres. for Research</td>
<td>Director Foundation Relations</td>
<td>10/13/08</td>
<td>08/30/14</td>
</tr>
<tr>
<td>Knudsen, William</td>
<td>Electrical &amp; Computer Eng.</td>
<td>Director Micro Fab. Facility</td>
<td>07/06/05</td>
<td>05/06/14</td>
</tr>
<tr>
<td>Lancon, Anthony</td>
<td>MTRI- Mich. Tech. Rsch Inst.</td>
<td>Asst. Research Scientist</td>
<td>08/20/08</td>
<td>05/02/14</td>
</tr>
<tr>
<td>Maci, Mary</td>
<td>Office of Advancement</td>
<td>Systems &amp; Data Analyst</td>
<td>09/17/12</td>
<td>06/13/14</td>
</tr>
<tr>
<td>Moore, James</td>
<td>Information Technology</td>
<td>System Administrator</td>
<td>08/30/06</td>
<td>04/12/14</td>
</tr>
<tr>
<td>Panian, Laure</td>
<td>Vice President for Admin.</td>
<td>Dir. Sbusiness Svcs. &amp; Ops</td>
<td>09/13/10</td>
<td>04/17/14</td>
</tr>
<tr>
<td>Rubo, Kyle</td>
<td>Financial Aid Administration</td>
<td>Associate Director</td>
<td>09/23/06</td>
<td>05/09/14</td>
</tr>
<tr>
<td>Saato, Lisa</td>
<td>President's Office</td>
<td>Administrative Associate</td>
<td>02/19/06</td>
<td>08/13/14</td>
</tr>
<tr>
<td>Talley, Cassandra</td>
<td>Vice Pres. for Research</td>
<td>Asst. Grants Analyst</td>
<td>04/01/14</td>
<td>04/21/14</td>
</tr>
<tr>
<td>Trosch, Keith</td>
<td>Information Technology</td>
<td>Senior IT Procurement Agent</td>
<td>01/03/05</td>
<td>08/06/14</td>
</tr>
<tr>
<td>Witten, Heather</td>
<td>Office of Advancement</td>
<td>Assoc. Director Annual Giving</td>
<td>06/05/06</td>
<td>05/12/14</td>
</tr>
<tr>
<td>Yang, Thy</td>
<td>International Prog. and Svcs.</td>
<td>Director</td>
<td>08/01/00</td>
<td>08/20/14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-exempt</th>
<th>Department</th>
<th>Title</th>
<th>Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amstead, Donna</td>
<td>International Prog. And Svcs.</td>
<td>Office Assistant 5</td>
<td>03/20/07</td>
<td>05/17/14</td>
</tr>
<tr>
<td>Ferguson, Martin</td>
<td>Information Technology</td>
<td>Senior Help Desk Consultant</td>
<td>05/10/06</td>
<td>05/21/14</td>
</tr>
<tr>
<td>Forsman, Cathy</td>
<td>Engineering Fundamentals</td>
<td>Office Assistant 5</td>
<td>12/04/00</td>
<td>06/06/14</td>
</tr>
<tr>
<td>Gautt, Emely</td>
<td>Van Pelt and Opie Library</td>
<td>Office Assistant 5</td>
<td>02/19/03</td>
<td>08/25/14</td>
</tr>
<tr>
<td>Johnson, Eddie</td>
<td>Financial Services &amp; Ops</td>
<td>Administrative Aide</td>
<td>02/14/00</td>
<td>05/09/14</td>
</tr>
<tr>
<td>Meier, Rayna</td>
<td>Sponsored Programs Office</td>
<td>Office Assistant 5</td>
<td>04/22/13</td>
<td>04/25/14</td>
</tr>
<tr>
<td>Paol, Cheryl</td>
<td>Dining Services</td>
<td>Cook</td>
<td>10/04/07</td>
<td>05/02/14</td>
</tr>
<tr>
<td>Solo Daniel</td>
<td>Facilities Management</td>
<td>Custodian</td>
<td>06/25/09</td>
<td>05/23/14</td>
</tr>
<tr>
<td>Sergey, Susan</td>
<td>Human Resources</td>
<td>Senior Executive Secretary</td>
<td>08/20/07</td>
<td>07/05/14</td>
</tr>
<tr>
<td>Whitman, Theresia</td>
<td>Facilities Management</td>
<td>Custodian</td>
<td>05/30/06</td>
<td>03/31/14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-exempt-ft</th>
<th>Department</th>
<th>Title</th>
<th>Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aho, Karen</td>
<td>Social Sciences</td>
<td>Secretary 5</td>
<td>08/15/05</td>
<td>05/24/14</td>
</tr>
<tr>
<td>Bussert, Benjamin</td>
<td>Van Pelt and Opie Library</td>
<td>Library Assistant 4</td>
<td>10/20/13</td>
<td>08/30/14</td>
</tr>
<tr>
<td>Johnson, Audrey</td>
<td>Rozsa Center for Perform. Art</td>
<td>Staff Assistant</td>
<td>10/29/06</td>
<td>03/29/14</td>
</tr>
<tr>
<td>LePage, Debbie</td>
<td>Memorial Union</td>
<td>Food Service Helper</td>
<td>01/11/10</td>
<td>05/10/14</td>
</tr>
<tr>
<td>Nakula, Susan</td>
<td>Vice Pres. for Research</td>
<td>Office Assistant 3</td>
<td>08/14/00</td>
<td>04/11/14</td>
</tr>
<tr>
<td>Wallin, Kathleen</td>
<td>Physics</td>
<td>Secretary 3</td>
<td>09/05/06</td>
<td>04/30/14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coaches</th>
<th>Department</th>
<th>Title</th>
<th>Hire Date</th>
<th>Term Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driscoll, Timothy</td>
<td>General Athletics</td>
<td>Asst. Coach Football</td>
<td>02/23/04</td>
<td>04/25/14</td>
</tr>
<tr>
<td>Whiten, Daron</td>
<td>General Athletics</td>
<td>Asst. Coach Hockey</td>
<td>06/15/10</td>
<td>05/05/14</td>
</tr>
</tbody>
</table>
VI-E. Tentative 2015 Meeting Dates

At the October meeting of the Board of Control dates are generally set for next year’s meetings. In order for members to check their calendars, the tentative dates are presented. If there is a problem with any of these dates, members are asked to please notify the Board Secretary.

Thursday, February 19, 2015
Friday, May 1, 2015 (Commencement – Saturday, May 2)
Thursday, August 6, 2015 (Alumni Reunion)
Thursday, October 8, 2015 (Homecoming)
Friday, December 18, 2015 (Commencement – Saturday, December 19)

VI-F. Michigan Technological University/Michigan Tech Fund Agreement

It was moved by T. Baldini, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Control approves the Michigan Technological University/Michigan Tech Fund agreement, and also, that the Board goes on record as having reviewed and approved the operations of the Michigan Tech Fund to continue as a recipient of donations eligible for the State of Michigan income tax credit.

AGREEMENT BETWEEN MICHIGAN TECHNOLOGICAL UNIVERSITY AND THE MICHIGAN TECH FUND

This Agreement made September 1, 2014 between Michigan Technological University (“University”) and the Michigan Tech Fund (“Fund”).

WHEREAS, the Fund’s work in receiving and managing charitable gift assets for the University is critical to its ability to fulfill its mission and strategic direction, and

WHEREAS, Fund’s advocacy of the University’s mission and priorities constitutes a valuable service, and

WHEREAS, fundraising is a joint priority of the University and the Fund, and

WHEREAS, the University and the Fund desire to continue a heretofore existing arrangement:

IT IS AGREED:

1. In consideration of the support directly inuring to the benefit of the University from the activities of the Michigan Tech Fund, the University will provide to the Fund:

   a. supporting services including mail services, limited printing services, access to the phone network, and an internal audit of Fund transfers to the University;

   b. access to the Banner system for maintenance and upkeep of the alumni/development database. The University will partially fund the alumni database maintenance conducted by the Fund.
2. The Fund agrees to continue its various fundraising administrative support and asset management functions for the betterment and advancement of the University. The Fund also agrees to support consulting services as done in the past.

3. This agreement shall terminate on August 31, 2015 and will be considered for renewal for successive one-year periods. The grant or denial of such renewal shall be at the sole discretion of the Board of Control of Michigan Technological University.

By:

__________________________
Michigan Technological University

By:

__________________________
Michigan Tech Fund

VII. ACTION/DISCUSSION ITEMS

VII-A. Employee Recognition

It was moved by P. Ollila, supported by L. Ashford, and passed by voice vote without dissent, that the Board of Control adopts the Resolution of Appreciation for the following individuals:

1.) Bradley Baltensperger (40 years of service)
2.) Susan Sergey (36 years of service)
Michigan Technological University  
Houghton, Michigan  

Board of Control of Michigan Technological University  

In appreciation  

Bradley Baltensperger  

The Board of Control of Michigan Technological University at its meeting on the seventh day of the month of August in the Two Thousand and Fourteen year declared that:  

WHEREAS Bradley Baltensperger, a citizen of the State of Michigan, has honorably and dutifully served Michigan Technological University and its constituents; and  

WHEREAS his service to Michigan Technological University was for a period of forty productive years; and  

WHEREAS his contributions to Michigan Technological University and higher education in general have been of the highest order and in the best interest of all: Therefore be it  

RESOLVED, that the Board of Control extends appreciation and congratulations to this distinguished citizen and employee of Michigan Technological University.  

________________________  
[Signature]  
Chair, Board of Control  

________________________  
[Signature]  
[Title]  

Michigan Technological University  
Houghton, Michigan  

Board of Control of Michigan Technological University  

In appreciation  

Susan Sergey  

The Board of Control of Michigan Technological University at its meeting on the seventh day of the month of August in the Two Thousand and Fourteen year declared that:  

WHEREAS Susan Sergey, a citizen of the State of Michigan, has honorably and dutifully served Michigan Technological University and its constituents; and  

WHEREAS her service to Michigan Technological University was for a period of thirty-six productive years; and  

WHEREAS her contributions to Michigan Technological University and higher education in general have been of the highest order and in the best interest of all: Therefore be it  

RESOLVED, that the Board of Control extends appreciation and congratulations to this distinguished citizen and employee of Michigan Technological University.  

________________________  
[Signature]  
Chair, Board of Control  

________________________  
[Signature]  
[Title]
Dr. Brad Baltensperger thanked the Board for this recognition, and stated that even though he is retired he is going to keep busy with Dr. Jackie Huntoon on several projects. He is very happy to be part of a team, and gives a lot of credit to President Mroz for placing tremendous emphasis on the connection with K-12 education and the universities. We have done a tremendous amount as a university over the last ten years of getting engaged in curriculum development and teacher professional development. Dr. Huntoon and Provost Seel have been supportive of these endeavors. There is funding available for this type of work and it connects so well with the university. In particular, one of the initiatives that we have going on in Cognitive Learning and Sciences is to develop a graduate program in STEM education.

VII-B. Emeritus Rank

It was moved by P. Ollila, supported by T. Woychowski, and passed by voice vote without dissent, that the Board of Control approves the following emeritus appointments:

1.) Dr. Steven Seidel, Professor Emeritus, Department of Computer Science
2.) Dr. Bradley Baltensperger, Professor Emeritus, Department of Cognitive and Learning Sciences

VII-C. Appointments with Tenure

Dr. Jon Sticklen is being recommended for appointment as Associate Professor with tenure in the Department of Engineering Fundamentals effective August 1, 2014, which is the date that Dr. Sticklen will also be assuming duties as Department Chair of Engineering Fundamentals. The recommendation for tenure has been endorsed by the Dean, the Department, the College of Engineering Promotion and Tenure Committee, the Provost and the President.

It was moved by L. Ashford, supported by P. Ollila, and passed by voice vote without dissent, that the Board of Control approves the appointment of Dr. Jon Sticklen as Associate Professor with tenure in the Department of Engineering Fundamentals effective August 1, 2014.

Dr. Min Song is being recommended for appointment as Professor with tenure in the Department of Computer Science effective October 12, 2014, which is the date that Dr. Song will also be assuming duties as Department Chair of Computer Science. The recommendation for tenure has been endorsed by the Dean, the Department, the College of Sciences and Arts Promotion and Tenure Committee, the Provost and the President.

It was moved by S. Hicks, supported by L. Ashford, and passed by voice vote without dissent, that the Board of Control approves the appointment of Dr. Min Song as Professor with tenure in the Department of Computer Science effective October 12, 2014.
VII-D. Appointment to Michigan Tech Fund Board of Directors

It was moved by S. Hicks, supported by B. Jacquart, and passed by voice vote without dissent, that the Board of Control appoints Ms. Fream, Mr. Ollila and Mr. Woychowski to the Michigan Tech Fund Board of Directors.

VII-E. Revisions to Board of Control Policies

VII-E-a. 11.1. General Investment Policy

It is being recommended that this policy be revised to clarify an ambiguity created in the 2010 policy revisions. The 2010 revision could be interpreted to prohibit any investment in equities, but investment in equities has been approved and engaged in for decades. Collateralized repurchase agreements and collateralized C.D.’s are being deleted as approved investments as they have not been utilized for many years and their prudence is questionable. In addition, other minor language changes are being made to confirm the Board’s autonomy in investment decisions without discarding prudence.

It was moved by R. Jacquart, supported by T. Baldini, and passed by voice vote without dissent, that the Board of Control amends Board of Control Policy 11.1. General Investment Policy as presented herein.

The amended policy shall read as follows:

11.1. GENERAL INVESTMENT POLICY

1. Protection of principal amounts.

   In considering the investment of University cash, protection of the principal amount must be the foremost consideration. It is therefore paramount that the purchase of speculative investments be prohibited. Optimum yield shall be our secondary objective.

2. The following investments are authorized:

   Equities, fixed income securities and public and corporate bonds including but not limited to those permitted by Sections 18, 19 and 20 of Article IX of the Constitution of the State of Michigan.

   Negotiable certificates of deposit, savings accounts, and other interest bearing accounts of (1) a bank which is a member of the Federal Deposit Insurance Corporation, (2) a savings and loan association which is a member of the Federal Savings and Loan Insurance Corporation, or (3) a credit union which is insured by the National Credit Union Administration, within the limitations imposed by Article IX, Section 20 of the Constitution of the State of Michigan.

   Purchase of U.S. Treasury obligations, Federal agency securities, and money market certificates may be made in any amounts.
Deposits in cash management accounts may be made in any amount.

Commercial paper rated within the two highest classifications of prime as established by at least one of the standard rating services are authorized. The total investment in commercial paper of any one corporation shall be limited to an amount of $1,000,000 or 20% of the equity of the stockholders of the corporation, whichever is greater.

Bankers acceptances and irrevocable letters of credit drawn on a bank which is member of the Federal Deposit Insurance Corporation.

Eurodollar time deposits or certificates of deposit in Tier 1, 2, or 3 United States banks or their branches in Montreal, Toronto, Nassau, or London or Tier 1, 2, or 3 Canadian banks in Montreal or Toronto.

3. The provisions of MCLA 451.921, the Uniform Prudent Management of Institutional Funds Act, shall be considered in all investment decisions.

4. All endowment funds shall be invested, managed and expended in compliance with any donor-imposed restrictions.

5. The purchases and selling of any investments, other than stocks, shall be the responsibility of the Treasurer or a designee appointed by the Treasurer, consistent with the objectives outlined in paragraphs 1 and 2, above.

6. Purchases of investments (other than certificates of deposit) may be transacted through any banking, financial, or investment institution.

This policy supersedes Board of Control policy 11.1. General Investments July 15, 2010.

VII-E-b. 13.2.6.3. Academic Suspension and Dismissal

The current Academic Suspension and Dismissal policy does not include the possibility of suspension when a student earns a GPA of 0.0 in one term while carrying 12 or more credits. Currently, a student in this situation will be placed on academic probation. A student suspended due to a term GPA of 0.0 will have the right to appeal. The appeal process provides an opportunity for a more in depth intervention with the student.

The Dean of Students Office has found that students who earns zero a 0.0 GPA and are not suspended continue to struggle and, for the most part, do not seek academic help on their own. Suspending a student who earns a 0.0 GPA will allow the Dean of Students Office to intervene for students who, through the appeal process, are committed to improving their academic performance. Those students who do not wish to appeal their suspension or whose appeals are not granted will be advised to spend their suspension period improving and preparing themselves to be reinstated at Michigan Tech with renewed interest and motivation.
In addition, the proposed amendment to the Academic Suspension and Dismissal policy will also help to clarify the current policy, which does not clearly state that there is an opportunity for students to appeal their suspension. The current policy is also not clear on the suspension period for a student suspended at the end of summer semester. The proposed changes to the Academic Suspension and Dismissal policy provides clarification.

This proposed amendment has been approved by the Senate, the Provost and the President.

It was moved by T. Woychowski, supported by S. Hicks, and passed by voice vote without dissent, that the Board of Control amends Board of Control Policy 13.2.6.3. Academic Suspension and Dismissal as presented herein.

The amended section shall read as follows:

3. Academic Suspension and Dismissal

A student is placed on academic suspension if the cumulative GPA is below 2.0 after a semester of academic probation or if the student is not restored to good academic standing after two semesters of probation regardless of the cumulative GPA. A student is also placed on academic suspension if the term GPA is 0.0 when a student attempts 12 or more credits. A suspended student will have the right to appeal. Students will be informed of their suspension and given information on the appeal process after grades are processed each term. More detailed information about the appeal process can be found on the Dean of Students website.

A student who receives a notice of academic suspension will not be permitted to enroll at the University for a specified period of time. Upon receiving a first notice of academic suspension, a student must sit out for at least one semester, plus a summer. That is, a student suspended at the end of a fall semester may not re-enroll until the following fall, and a student suspended at the end of a spring semester may not re-enroll until the following spring. A student who is suspended at the end of summer term will be permitted to request reinstatement the following spring. Upon receiving a second notice of academic suspension, a student must sit out two semesters, plus a summer. Upon reinstatement after a second suspension, failure to achieve good academic standing or show substantial academic progress within one semester will result in academic dismissal. Students may appeal an academic dismissal. However, if no appeal is submitted or the appeal is denied, there is no opportunity for reinstatement after academic dismissal.

This policy supersedes Board of Control policy 13.2.6.3. Academic Suspension and Dismissal dated July 15, 2010.

VII-E-c. 12.2.7.c. Building and Property Rules and Regulations

It is being recommended that section 7c of this policy be amended to comply with a recent Office of Civil Rights findings which now prohibits the current language.
It was moved by R. Jacquart, supported by T. Baldini, and passed by voice vote without dissent, that the Board of Control amends Board of Control Policy 12.2.7.c. Building and Property Rules and Regulations as presented herein.

The amended section shall read as follows:

12.2. Building and Property Rules and Regulations

7. For reasons of health and sanitation, cats, dogs, birds, or other pets or animals are prohibited except as authorized by the Vice President for Administration. The exceptions to this are:

   a. Animals owned or maintained by Michigan Technological University for educational or research purposes after receiving the approval of such facilities by the Provost and Vice President for Academic Affairs.

   b. Animals and aquariums may be kept in University housing facilities after receiving the approval from the Vice President for Student Affairs and Advancement.

   c. Guide, leader, hearing or service animals trained to perform the work or task required by the user’s disability when used by a qualified individual with a disability in compliance with State or Federal Law.

This policy supersedes Board of Control policy 12.2. Building and Property Rules and Regulations dated September 19, 2013.

VII-E-d. Ordinance No. 3 Control of Pets

It is being recommended that this Ordinance be amended to comply with a recent Office of Civil Rights findings which now prohibits the current language.

It was moved by P. Ollila, supported by R. Jacquart, and passed by voice vote without dissent, that the Board of Control amends Ordinance No. 3 Control of Pets as presented herein.

The amended ordinance shall read as follows:

ORDINANCE NO. 3 - CONTROL OF PETS

A REGULATION TO PROHIBIT THE BRINGING OR KEEPING OF ANIMALS INCLUDING DOGS, CATS, BIRDS, RATS, MICE, MONKEYS, GERBILS, AND RABBITS ON UNIVERSITY PROPERTY

No person shall bring, keep or possess any animal, including but not limited to, dog, cat, bird, rat, mouse, monkey, gerbil, reptile, or rabbit, on any property owned, possessed, held or controlled by the Michigan Technological University Board of Control in Houghton County except:
1. Guide, Leader, Hearing or Service Dogs or Service Animals trained to perform the work or task required by the user’s disability when used by a qualified individual with a disability, in compliance with State or Federal law;

2. Animals owned, or possessed and maintained by Michigan Technological University for educational or research purposes; or

3. Specific exceptions authorized by the Provost and Vice President for Academic Affairs.

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

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

IX. OTHER BUSINESS

There was no other business at this time.

X. PUBLIC COMMENTS

There were no public comments at this time.

President Mroz congratulated Brian Barkdoll for his outstanding service as President of the University Senate.

XI. INFORMAL CLOSED SESSION FOR A PERIODIC PERSONNEL EVALUATION OF PRESIDENT MROZ AND REVIEW OF ATTORNEY OPINION

It was moved by L. Kennedy, supported by S. Hicks, and passed by voice vote without dissent, that the Board of Control proceed into an informal closed session for a periodic personnel evaluation of President Mroz and review of attorney opinion. (A closed session for such a purpose is provided for in Sections 8 (a) and (h) of P.A. 267 of 1976). (A roll call vote is required).
Roll Call Vote:
Hicks – Yes        Jacquart - Yes
Ollila – Yes       Fream – Yes
Baldini – Yes      Kennedy - Yes
Woychowski – Yes   Ashford - Yes

The motion passed.

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

XII. ADJOURNMENT

It was moved by T. Baldini, supported by P. Ollila, and passed by voice vote without dissent, that the meeting be adjourned.

_______________________________________
Secretary of the Board of Control

___________________________________
Chair, Board of Control