

**MINUTES**  
**of the**  
**Board of Control**  
**Michigan Technological University**  
**Houghton, Michigan**

**Meeting of**  
**April 30, 2010**

## Table of Contents

		<u>Page</u>
I.	Approval of Agenda	9175
II.	Opening Remarks	
	A. Chair’s Comments	9175
	B. President’s Comments	9175
III.	Committee Reports	
	A. Academic Affairs Committee	9177
	- Provost Report	9179
	B. Finance and Audit Committee	9184
	- CFO Report	9186
IV.	Consent Agenda	
	A. Approval of Minutes	9189
	B. Degrees in Course	9189
	C. Gifts	9201
	D. Resignations, Retirements & Off Payroll	9202
	E. Degree Title Changes	9202
V.	Action/Discussion Items	
	A. Appointments, Not Involving Tenure and/or Promotion	9203
	B. Appointments, Involving Tenure and/or Promotion	9204
	C. Promotions	9204
	D. Appointment with Tenure	9205
	E. Proposal for a Ph.D. in Environmental and Energy Policy	9205
	F. Proposal for a Ph.D. in Geophysics	9205
	G. Election of Chair and Vice Chair	9205
	H. FY 2011 General Fund Operating Budget	9205
	I. Second Resolution Amending Bond Authorization	9208
	Resolution of March 5, 2009	
VI.	Reports	9210
	A. Research and Sponsored Programs Report	
	B. University Senate Report	
	C. Undergraduate Student Government Report	
	D. Graduate Student Government Report	
VII.	Informational Items	9210
	A. Analysis of Investments	
	B. University Issued Bond Balances	
	C. Research and Sponsored Programs	
	D. Advancement Report	
	E. Recent Media Coverage	

	<u>Page</u>
VIII. Other Business	9210
IX. Public Comments	9210
X. Closed Session for Real Property Transactions - Theta Tau	9210
XI. Adjournment	9211

MINUTES OF THE FORMAL SESSION OF THE BOARD OF CONTROL OF MICHIGAN TECHNOLOGICAL UNIVERSITY held pursuant to due call in 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 April 30, 2010.

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 30th day of April, 2010, 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, R. Gronevelt, and a quorum was declared present.

The following members of the Board of Control were present:

R. A. Gronevelt, Chair  
M. K. Richardson, Vice Chair  
T. L. Baldini  
K. I. Clark (via telephone)  
S. J. Hicks (via telephone)  
P. G. Ollila  
R. A. Reck (via telephone)  
G. D. Mroz, ex officio

The following members were absent:

L. D. Ashford

Also present during part or all of the session were: Dale R. Tahtinen, Secretary of the Board and Vice President for Governmental Relations; Daniel D. Greenlee, Treasurer and Chief Financial Officer; George Butvilas, Chair of the Michigan Tech Fund; Max Seel, Provost and Vice President for Academic Affairs; David D. Reed, Vice President for Research; Shea McGrew, Vice President of Advancement and Marketing; Ellen Horsch, Vice President for Administration; Paul Tomasi, University Counsel; and various members of the faculty, administrative staff, student body, press and public.

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

## **I. APPROVAL OF AGENDA**

It was moved by P. Ollila, supported by M. Richardson, and passed by voice vote without dissent, that the agenda of the formal session of April 30, 2010, as distributed to the Board, be approved.

## **II. OPENING REMARKS**

### **Chair's Comments**

I would like to welcome everyone to today's Board of Control meeting and to this Commencement weekend celebration of achievement and success. This is always a special and exciting time of the year, as we honor our graduates and their families.

Also, welcome to Kathy Clark, Ruth Reck, and Steve Hicks who are participating by phone, and George Butvilas, Chair of the Michigan Tech Fund.

Since the last Board meeting, many of our students have been doing great things, and I wanted to take a few moments to highlight some of the more notable accomplishments. Michigan Tech's Applied Portfolio Management Program received runner-up honors at the University of Dayton's Redefining Investment Strategy Education conference and competition. Michigan Tech's Gold Team portfolio had a 31 percent return this year and was narrowly defeated by the College of New Jersey in the value-style portfolio category, with 50 teams entered in that category.

Michigan Tech's Concrete Canoe Team participated in the 2010 American Society of Civil Engineers North-Central Region Concrete Canoe contest in March. The team took first place in three of the competition's four categories which were paper, display, and racing, and finished second in presentation. The team placed first in all the races, men's sprint, women's sprint, men's endurance, women's endurance and the coed sprint.

A team of Michigan Tech undergraduate and graduate students designed a new and promising protective layer for sports and motorcycle helmets. They used the human head as a model for building a helmet lining that mimics the body's own tricks for deflecting blows to the head. The team was one of 16 chosen from more than 200 colleges and universities to introduce their invention at a national inventors conference in San Francisco. In an on-line competition, viewers voted a two-minute video about the helmet produced by Michigan Tech's team one of the top three videos of student inventions. The team hopes to license their invention to a commercial sports equipment manufacturer, paving the way for a full-fledged athletic equipment research center at Michigan Tech.

The Clean Snowmobile Challenge took place at Michigan Tech in March, and Michigan Tech's snowmobile took second place in the internal combustion category. The team also received the SAE Award for Best Design in the internal combustion category, the Land and Sea Award for Best Performance, and the Altair Engineering Award for Design Simulation. Faced with the challenge of an early spring thaw and temperatures that occasionally soared

into the 60s, Michigan Tech's KRC staff did an outstanding job in moving snow to create a track for the event.

Congratulations to all those involved in these events and the many other activities that our students, staff and faculty have been involved in throughout the year, proving once again that Michigan Tech is a leader in creating the future.

The Board would also like to recognize several faculty members that have made significant contributions to Michigan Tech and their chosen field of study and are being recommended for promotion and/or promotion and tenure later in today's meeting.

The candidates recommended for promotion from assistant professor without tenure to associate professor with tenure are: Shiyue Fang of Chemistry; Jason Carter of Exercise Science, Health & Physical Education; Jeremy Goldman of Biomedical Engineering; Yun Hang Hu and Yu Wang of Materials Science; and Guy Hembroff of the School of Technology. Please stand and be recognized.

The candidate recommended for promotion from associate professor without tenure to associate professor with tenure is John Irwin of the School of Technology. Please stand and be recognized.

The candidate recommended for promotion from professor without tenure to professor with tenure is Paul Doskey of Civil & Environmental Engineering. Please stand and be recognized.

The candidates recommended for promotion from associate professor with tenure to professor with tenure are: Dana Johnson of the School of Business & Economics; David Flaspohler of the School of Forest Resources & Environmental Science; Patricia Sotirin of Humanities; and Kathleen Halvorsen of Social Sciences. Please stand and be recognized.

### **President's Comments**

Thank you Mr. Chair, and thank you to the Board members. We have had some great discussion since the last Board meeting, and some pretty intense discussions yesterday, and thank you to those who are on the phone today both for your service and your dedication to Michigan Tech. It is not always easy to meet all the timelines that we deal with on a daily basis.

I want to start by congratulating all of our graduates and their families. For many, having gone through Michigan Tech it can be an arduous journey, but it is one that is well worth the effort.

I also wanted to thank the faculty and staff who are here today. Not only those who are getting promoted, but the faculty and staff who have been here for a number of years who have guided these students through some pretty rough times. In addition to the economic challenges, these are rough times developmentally for people to deal with a lot of different issues. It takes the dedication of the faculty and staff to help guide these young people through the many issues and challenges they face as a student at Michigan Tech.

The Distinguished Teaching Award for full professor this year is going to Blair Orr of the School of Forest Resources and Environmental Science. Dr. Orr is the father, or patron saint, of the Peace Corps Masters International Programs on campus. I frequently said that Blair invented a master's program out of earth, fire and air and the student response to this has been fantastic. In a fairly short time, the Peace Corps Program went from three students to having the most Peace Corps Masters International students serving overseas in the entire country.

At the lecturer level, the Distinguished Teaching Award went to Charles Margraves of Mechanical Engineering-Engineering Mechanics. Mechanical Engineering continues to have a stellar record of attracting fantastic people and Dr. Margraves is one of those individuals. I talked to Bill Kennedy and asked why did Charles win it and he said that I have never been in a classroom where people were more engaged and willing to talk and answer questions than in Charles' class. Dr. Margraves interests are in thermal fluids science and digital image processing, so you can image getting people excited about those kinds of things takes real talent.

The Michigan Tech Research Award went to two astrophysicists, Dr. Brian Fick and Dr. Dave Nitz of Physics. Dr. Fick and Dr. Nitz are deeply involved, and have leadership roles, in the Pierre Auger Observatory project in Argentina, which involves 17 countries and 90 institutions. Their interests are in understanding cosmic rays, which are the highest energy particles in the universe. I have visited the Observatory and it is an amazing installation, because it is like a giant television screen with pixels on it except they are a kilometer apart and stretch over many square miles.

The Faculty Distinguished Service Award went to Dr. Pat Joyce of the School of Business & Economics. Dr. Joyce also serves as the Faculty Marshall at Commencement. In addition, he is the faculty academic representative to our athletic programs and the NCAA, and has served in that capacity for many years. Pat's leadership at the NCAA meetings keeps Michigan Tech on top and more importantly his role in all of this is to make sure that the students are protected, that school comes first and athletics is second and that the interests of the faculty in our athletic programs are represented.

This time I would like to show you a video depicting Michigan Tech's accomplishments for 2009 that was done by University Marketing and Communications, and will be shown at the Alumni Association events throughout the next year.

### **III. COMMITTEE REPORTS**

#### **Academic Affairs Committee Report**

Ms. Marty Richardson provided the Board with the following report.

On Thursday afternoon, the Academic Affairs Committee met, with Paul and myself in attendance, and Lenora on the phone.

The first agenda item was to review some proposed changes to the Board of Control Policies. Proposed changes to Policy 16.1 and 16.5 bring the Board of Control policy up-to-date and in synch with current titles and approved senate policies: for example, we have now a title “professor of practice” and the correct academic ranks of Army and Air Force ROTC officers are “Professor of Military Science” and “Professor of Aerospace Studies”.

Policy 16.2 deals with both staffing policy and academic freedom. The proposed changes to the staffing policy portion of the Board Policy Manual is to make it more macro-level. The portion related to academic freedom is unchanged except the last sentence which would forbid research projects that contain proprietary information. The micro-level information will not be forgotten, but would be addressed in other policy manuals.

Next on the agenda were faculty appointments and promotion and tenure recommendations. The committee supports all recommendations as presented in the Board of Control agenda and extends its congratulations to all faculty members.

The committee then considered two new degree proposals. The proposal for a PhD in Environmental and Energy Policy builds on our existing master’s program in environmental policy. It would prepare students to conduct research in support of societal decisions regarding environmental and energy policy goals, strategies and programs. The additional costs to the university are 4 new graduate assistantships for the first 3 years. The plan would support two of them through departmental and college funds from summer teaching earnings; in addition, the provost plans to increase the graduate teaching assistantships in accordance with the strategic plan. The committee believes that building strength in the policy area commensurate with our strength in engineering and science is of strategic importance for Michigan Tech, and we strongly support the proposal. The provost pointed out that the Association of American Universities made its first expansion in nearly a decade and announced last Wednesday that it has invited Georgia Tech to become a member. The press release stated that this honor reflected in part Georgia Tech’s emphasis on exploring the ways in which scientific exploration affects public policy.

We also support the proposal for a PhD in Geophysics. This new degree does not require any new resources. The department of Geological and Mining Engineering and Sciences currently graduates PhD students with specialties in geophysics, but the degrees are awarded in geology or geological engineering. The new degree title simply reflects more accurately the appropriate expertise.

Our committee also endorses the proposed degree title changes on the *consent agenda*. It recommends that the current “BA in Liberal Arts with a Concentration in Interdisciplinary Studies” be changed to “BA in Liberal Arts:” and that the “BA in Liberal Arts with a Concentration in English” be changed to “BA in English”, which simplifies and clarifies each degree.

The next agenda item was an update on academic program review. The provost will summarize this review in his report following my remarks.

As a follow up to our last meeting’s discussion on how to visualize key aspects of a Michigan Tech education, what is unique, and what are some very specific Michigan Tech

experiences, the provost reported that he is still working on the visualization piece. He mentioned in this context that the students came up with a value statement which captures wonderfully and inspirationally what we treasure. You have a copy of this draft in front of you. Its key message is:

*“We inspire community, scholarship, possibilities, accountability and tenacity.”*

Provost Seel provided the Board with the following report.

## **Academic Affairs Program Review**

Board of Control Meeting  
April 30, 2010

### **Academic Program Self Review**

- help *developing a roadmap for investment and reallocation over time and bring the vision of the strategic plan to fruition.*
- suggested criteria to guide the review:  
*centrality, cost effectiveness, internal and external demand, impact, productivity, quality and size.*
- This summary of the review's preliminary results serves as a first update to the Board of Control. It will be discussed at the upcoming deans' retreat, with the senate curricular policy committee, and with the Executive Team to arrive at consensus recommendations.

**Course review**

takes place annually through the so-called *Curriculum Binder Process*: courses, course fees and degree change proposals are examined and processed.

AY 2009: 2,461 courses were listed.

126 courses dropped, 161 new courses added. (HU in the process of thorough course review; an additional drop of approximately 30 courses can be expected)

Approximate balance of 160 adds and drops (a change of ~6.5% of the total course offering) indicates that the **curriculum is constantly examined and kept current.**

**Program Review – College of Engineering (COE)**

Table 2: Engineering Faculty and Enrollment Compared to Nation

Discipline	Percent of Nation			
	Faculty	Undergraduate	Masters	PhD
Biomedical Engineering	0.6	1.4	0.0	0.2
Chemical Engineering	0.6	1.3	0.5	0.4
Civil and Environmental	0.7	1.2	0.4	0.4
Electrical & Comp. Eng.	0.3	0.8	0.4	0.3
Material Sci. & Eng.	1.4	1.9	0.8	0.5
Mechanical Engineering	0.8	1.3	1.1	0.9
<b>Average</b>	<b>0.7</b>	<b>1.3</b>	<b>0.5</b>	<b>0.5</b>

**Engineering: key programs / anchors** – part of Michigan Tech's identity

PRISM, March 2010, p.22: From 2000 to 2008, bachelor's, master's, and doctoral degrees increased by 16, 29, and 51%, respectively.

Growth in	BS	MS	PhD
Biomedical	180%	157%	226%
Chemical	-19%	-10%	36%
Electr./Comp.	-3%	34%	47%
Mechanical	33%	37%	36%

College of Sciences and Arts - *dual mission*

to offer innovative programs for  
*baccalaureate majors, master's and doctoral*  
students in the sciences and arts and,

to provide the *foundation for all*  
*baccalaureate degrees of Michigan Tech.*

→ *centrality* of the college to the mission of the  
university

→ CSA programs generally *cannot exercise*  
*influence* because of their *size*:

most have combined undergraduate majors  
populations of ~< 100 students, *computer science*  
and biological sciences being two exceptions.

CSA: Specific observations for programs < 5 BS / year

Example (p.4 of report):

Development of *teacher certificate in health* is projected to be more expensive than originally thought;

- drop (shelve?) the degree in *Health and Physical Education – Secondary Education Concentration*; did not attract majors at the rate originally projected;
- focus resources on the *Exercise Science* program (and on *Health and Physical Education – Fitness and Sports Management Concentration* and the coaching certification).

School of Business and Economics (SBE)

	New B.S. Degree	BSBA with Concentration	Total
Accounting	64	35	99
Economics	23	N/A	23
Finance	44	23	67
Management	49	55	104
Management Information Systems	8	22	30
Marketing	26	53	79
Operations and Systems Management	2	7	9
Undeclared Concentration	N/A	38	38
<b>Total</b>			<b>449</b>

5

School of Technology (SOT)

- *Proposed elimination of Industrial Technology:* a subset of the courses from this program will be eliminated but the course content will be included in newly designed *Mechanical Engineering Technology* courses.  
Upper division courses will be offered on a more regular basis; there will be fewer electives, which was diluting enrollment in many classes.  
Development of an integrated marketing plan in partnership with admissions and marketing is a high priority task.
- The *implementation of two master's programs* is seen as key to the school's alignment with university strategic direction.

School of Forest Resources & Environ. Sciences (SFRES)

- *undersubscribed in its BS in Applied Ecology & Environmental Science; possible synergies and joint efforts* with the Department of *Biological Sciences* should be explored. Increases in number of students in this degree program will also help diversity.
- SFRES' other undergraduate degree programs are above national averages.
- Synergies with Biological Sciences should also be explored for the *graduate programs* in (Forest) *Molecular Genetics and Biotechnology*.



The Finance and Audit Committee, with hopes that we approve and support the passage by the full Board, discussed the 2010-2011 General Fund Operating Budget including tuition rates. Also, we evaluated the revision of the bond resolution for the Great Lakes Research Center to include an additional \$1 million for the Electrical Energy Resources Center for a chiller and various safety upgrades for several buildings. The Committee is recommending adoption of both proposals.

It should be noted that the increase in scholarships, which the Board took positive action on at the last meeting, is part of the budget that is being presented to the full Board for its adoption today, and we are very proud of action. It is a continuing effort on the part of this Board and this Administration to continually help our students sustain their presence here and to help them with their financial needs.

There are a couple of other informational items that were discussed over the last two meetings, including the goals for 2011-2012 and the capital projects proposal. We are hoping to break ground this year on the Great Lakes Research Center, and the Residential Student Apartment building is scheduled for occupancy in August. In addition, the Michigan Tech Lakeshore Center is complete, and the KRC Administration Building Research Center is near completion.

The Committee discussed variable rate liability structures and interest rate swaps, and will be continuing this discussion over the summer.

The Committee heard a report from our external audit Steve Peacock with Rehmann Robson about the upcoming fiscal 2010 audit, and from our internal auditor Jodi Heikkinen on the follow up reports to the audits already performed and a review of the executive expenditures. In addition, the Committee met in closed session with Steve Peacock, Jodi Heikkinen and Paul Tomasi on items of interest.

It should also be noted that the Committee, like the Academic Affairs Committee, went over that part of the Board policy manual which pertains to finance and submitted our recommended changes.

It has been a very active month, but once we get through this month and adopt a budget it will give the Administration the ability of advising the incoming students of what next year looks like, and it will also help the Administration, staff and faculty know where we are going to be next year so that they can plan as we end this year and begin for the next school year.

Mr. Hicks added that the Executive Team did a great job in preparing the proposed budget, but more importantly we have focused on long term financial health. The Committee met numerous times to discuss the FY11 budget targets dating back to October of 2009 and met frequently in between formal sessions. Mr. Hicks expressed his thanks to the Committee members and the Executive Team for their great work.

Mr. Greenlee provided the Board with the following report:



Financial Report  
Board of Control Meeting

Friday, April 30, 2010

Balance Sheet  
Condensed Statement of Net Assets  
as of March 31, 2010

<b>ASSETS</b>	
Current Assets	\$ 49,945,732
Noncurrent Assets:	
Capital Assets, net	233,107,302
Other Noncurrent Assets	21,383,356
<b>TOTAL ASSETS</b>	<u>\$ 304,436,390</u>
<b>LIABILITIES</b>	
Current Liabilities	\$ 19,446,894
Noncurrent Liabilities	75,382,636
<b>TOTAL LIABILITIES</b>	<u>\$ 94,829,530</u>
<b>NET ASSETS</b>	
Investments in capital assets, net of related debt	\$ 160,972,073
Other net assets, restricted and unrestricted	48,634,787
<b>TOTAL NET ASSETS</b>	<u>\$ 209,606,860</u>

**Current Fund FY10  
Income Statement Projection**  
(in Thousands)

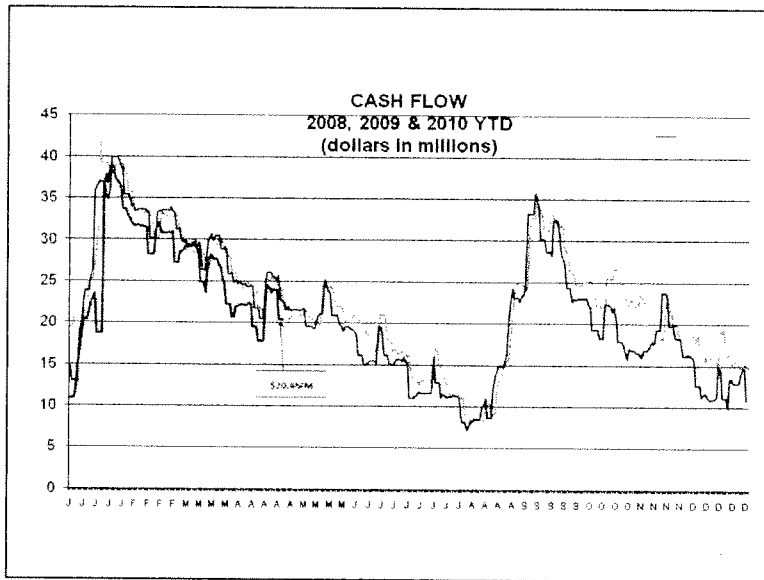
	<u>Original Projection</u>	<u>3rd Qtr Projection</u>
Revenue	238,446	240,217
Expense	(237,918)	(239,657)
<b>Net Income</b>	<u>528</u>	<u>561</u>
<b>Current Fund Balance</b>	<u>16,163</u>	<u>16,196</u>

**Note:** Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.

**Current Fund Balances**  
(in Thousands)

	<u>Balance 06/30/08</u>	<u>Balance 06/30/09</u>	<u>Projected * Balance 06/30/10</u>
<b>TOTAL CURRENT FUND</b>	\$ 15,415	\$ 15,635	\$ 16,196
<b>LEGALLY RESTRICTED FUNDS</b>	<u>(2,933)</u>	<u>(2,822)</u>	<u>(2,889)</u>
<b>UNRESTRICTED FUND BALANCE</b>	<u>\$ 12,482</u>	<u>\$ 12,813</u>	<u>\$ 13,307</u>

**Note:** Projected 6/30/10 balance is based upon 3rd Qtr figures.



### Budget Parameters

- Reduction in State Appropriations
- Increase in Tuition and Fees
- SFHI hiring of faculty in Energy and Health areas
- Retention and Promotion Salary Pool
- Financial Aid Increase
- Enrollment Changes:
  - Decrease in Undergraduate Students
  - Increase in Graduate Students

<b>General Fund and Current Fund FY11 Budget and Projection</b> (in Thousands)		
	General Fund Budget	Current Fund Projection
<b>Operating Revenue:</b>		
Tuition and Fees	\$ 99,090	\$ 101,385
Grants and Contracts	11,400	52,434
Auxiliary Activities	-	29,277
Miscellaneous Revenue	498	4,063
<b>Total Operating Revenue</b>	<b>110,988</b>	<b>187,159</b>
<b>Operating Expense:</b>		
Salaries and Fringe Benefits	98,996	142,081
Supplies and Equipment	17,911	50,322
Fellowships/Scholarships	25,630	39,228
Utilities	4,721	8,610
<b>Total Operating Expense</b>	<b>147,258</b>	<b>240,239</b>
Transfers Out	11,632	4,981
<b>Nonoperating Revenue:</b>		
State Appropriations	47,902	47,902
Miscellaneous Revenue	-	10,369
<b>Total Nonoperating Revenue</b>	<b>47,902</b>	<b>58,271</b>
<b>Net Income (Loss)</b>	<b>-</b>	<b>210</b>
<small>Note: Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.</small>		

#### IV. CONSENT AGENDA

It was moved by M. Richardson, supported by K. Clark, and passed by voice vote without dissent, that the Board of Control approve and adopt the items contained in the Consent Agenda.

##### A. Approval of Minutes

It was moved by M. Richardson, supported by K. Clark, and passed by voice vote without dissent, that the minutes of the formal session of March 4, 2010, as distributed to the Board, be approved.

##### B. Degrees in Course

It was moved by M. Richardson, supported by K. Clark, and passed by voice vote without dissent, that the Board of Control approves the awarding of the degrees as specified, to each of the candidates listed, and offer congratulations.

### Michigan Technological University Degrees Awarded for Conferral Term 201005

Associate in Applied Science in Engineering Technology  
Eric Duane Phillipson

Associate in Applied Science in Civil Engineering Technology  
Benjamin Thomas Aho  
Ryan Michael Nordstrom

9190  
04/30/10

Associate in Applied Science in Electrical Engineering Technology  
Joseph Alan Helppi

Associate in Humanities  
Joy Ann Dorvinen - Magna Cum Laude

Bachelor of Arts in Communication and Culture Studies  
Perry Stephen Dutcher  
Emily Ruth Kirklin - Cum Laude  
Daena Makela - Magna Cum Laude

Bachelor of Arts in Sound Design  
Jose M Cordero-Medina

Bachelor of Arts in Liberal Arts  
Joy Ann Dorvinen - Magna Cum Laude  
Ilana Louise Pressel - Magna Cum Laude

Bachelor of Arts in Liberal Arts - History  
Christina Lynn Berry

Bachelor of Arts in Scientific and Technical Communication  
Lauren Kathleen Wiza - Cum Laude

Bachelor of Science in Business Administration  
Tracy Leigh Brush - Summa Cum Laude  
Andrea Marie Brzostowski - Summa Cum Laude  
Lubing Chen  
Timothy Wayne Domcik  
Matthew Brian Duncanson  
Michael Ryan Hintzman  
SherAaron Nicole Hurt  
Dean Andrew Kangas  
Sarah M Kinnunen - Cum Laude  
Eric Albert Kinonen  
Travis P Martz  
Michelle Jayne Murphy  
Alan Paul Ollanketo - Summa Cum Laude  
Daniel Robert Panetti  
Mark Robert Pietila  
Anthony Joseph Scargall  
Thomas M Simila  
Christopher Matthew Stancher  
Andrew Robert Wiltshire  
Tina Marie Wojciehowski - Cum Laude

Bachelor of Science in Applied Geophysics  
Kevin A Endsley

Bachelor of Science in Biomedical Engineering

Brielle Renee Cormier - Cum Laude  
Erika Rose Johnson  
Michael David Kurdziel - Cum Laude  
Troy David Lutze  
Sarah Kathleen McIntyre - Cum Laude  
Melanie Lynn McQueen - Magna Cum Laude  
Todd Matthew Pietila  
Jonathan Justus Raymond  
Heather Leah Robertson - Cum Laude  
Robert Slowik  
Melissa Kay Willett - Cum Laude  
Tiffany Rose Wilson

Bachelor of Science in Engineering

Mark Thomas Koss  
Heather Lynn Saylor

Bachelor of Science in Civil Engineering

Eryk John Anderson - Summa Cum Laude  
Nicholas Julian Brant  
Travis R Brush - Magna Cum Laude  
Jacob Allen Canniff - Cum Laude  
David Earl Carmody - Cum Laude  
Mark Paul Daavettila  
Christopher D DeDene  
Kyle J Discher  
Timothy Steven Doell  
Michael Joseph Duffield  
Michelle Ann Ellenberger  
Darrin Charles Evans - Magna Cum Laude  
Adam J Feenstra  
Jason Curtis Flietstra  
Robert Edward Lee Greening  
Chad David Grundemann - Cum Laude  
Kelly Robert Heidbrier  
Douglas John Hobyan  
Michael David Hochscheidt - Summa Cum Laude  
Candice Marie Holt - Magna Cum Laude  
Esther Marie Johnson - Cum Laude  
Mark Francis MacLennan  
Joshua Ray Marschke  
Jeffery Alan Morden  
Cory James Niemela  
Heather Marie Norton - Magna Cum Laude  
Henry Robert Nyenbrink  
Megan E Place

Kevin A Roell - Summa Cum Laude  
Kalahe Lokuge N Sahabandu  
Steven Kenneth Sams  
Tyler Joseph-Fredrick Schulke  
Daniel M Smith - Magna Cum Laude  
Emma M Stasek  
Bryan A Swanson - Magna Cum Laude  
Hampton Benjamin Waring  
Derek Robert Weichlein  
Evan David Wernecke  
Eric S Wesseldyke - Cum Laude

Bachelor of Science in Chemical Engineering

Daniel A Durbin  
Brandon D Gay - Cum Laude  
Charles Joseph Stein

Bachelor of Science in Computer Engineering

Jordan Michael Carder  
Andrew M Colosky  
Nathan John Dumar  
Jason Thomas Foster  
Casey Scott Hart  
Maira Maskevics  
Benjamin Bjorn Nielsen  
Phillip Michael Peterson - Summa Cum Laude  
Michael Ryan Wiekierak - Cum Laude  
James Michael Wozniak - Magna Cum Laude

Bachelor of Science in Electrical Engineering

Aaron D Addison  
David John Allen  
Paul M Bauman  
Cole B Burich - Magna Cum Laude  
Justin M Deaner  
Jeffrey Winfield Fordyce  
Juxiao Fu  
Shane Matthew Gillespie  
Matthew Eric Harrison  
Michael Ryan Hintzman  
Scott Allen Hoffman  
Jason M Julien  
Andrew G Kermode  
Chang-Wook Kim  
Rongzhe Lin - Cum Laude  
Alan Nicholas Little  
Bryce Lamont Lunday - Magna Cum Laude  
Yu Luo

Edmond Joseph Meyer  
Kyle James Persohn  
Patrick M Peterson  
Aaron James Peterson - Cum Laude  
Joseph Nickolaus Scheinkoenig - Cum Laude  
Ashley Shawnea Simpson  
Mark James Skwarski - Summa Cum Laude

Bachelor of Science in Environmental Engineering

Kevin Andrew Bierlein - Magna Cum Laude  
Nawaf Isam A Hamid Blaisi  
Eric Leonard Bradfish  
Russell Walter Drouillard  
Shannon L Flynn - Cum Laude  
Luke Moilanen  
Daniel E Nestmann  
Nora Louise Peterson - Cum Laude

Bachelor of Science in Geological Engineering

David Allen Bell  
Mark Andrew DeHoog  
Kevin Larson Garceau

Bachelor of Science in Mechanical Engineering

Nicole J Barna - Cum Laude  
Thomas Daniel Blakeslee  
William John Bodeis  
Raymond Thomas Cross  
Joshua John Culliton  
Joshua James DeSmet - Cum Laude  
Jeffrey Cight Decker - Magna Cum Laude  
Joshua James Dorr  
James A Evanski  
Matthew L Goddard  
Chad Matthew Goffar  
Patrick Arthur Green  
Adam Douglas Habegger  
Kristopher Alan Harrington  
Emily J Harrison - Cum Laude  
Christopher Paul Heczko  
Vang You Her  
Daniel John Jacobson  
Karen Marie Jarvey - Magna Cum Laude  
Kent Steven Kalen  
Nicholas Matthew Kevnick  
Nathan StephenFredrick Klein  
Michael Adam Lecureux - Cum Laude  
Jacob Paul Longhini

Nurgali Makhmutov - Summa Cum Laude  
William Michael Matson  
Akihiro Max Matsumura  
Jay Scott Meldrum - Cum Laude  
Edmond Joseph Meyer  
Jason Robert Noland  
Anthony Wesley Osborne  
Marcus J Pennala  
Nicholas C Peot  
Xiao Jun Qiao  
Peter Paul Radecki - Magna Cum Laude  
Tyler Matthew Reno  
Heather Leah Robertson - Cum Laude  
Jonathan Alan Salzman - Summa Cum Laude  
Charles T Schlaud  
Quincy A Schultz  
Lee Semmerling  
Ashal Jagdish Shah - Magna Cum Laude  
Shivank Sharma  
Matthew Alexander Springs  
Jordan Daniel Stank - Cum Laude  
Bryan Dennis Steinhoff - Magna Cum Laude  
Bradley Robert Szkrybalo  
Matt T Thielking  
David M Thomasini  
Patrick Joseph Timmons  
Derek Lee VandenBosch  
Aaron Hansen Vergin - Summa Cum Laude  
Jason Michael Vincenz  
Robert Randall Waara  
William Geromy White  
Andrew J Wickenheiser - Magna Cum Laude

Bachelor of Science in Applied Ecology and Environmental Sciences

Jessica Lynn Alger  
Amy Marguerite Berns - Magna Cum Laude  
Ellen Elizabeth Brenna - Magna Cum Laude  
Kassidy Nikole Yatso

Bachelor of Science in Forestry

Graham Kyle Baker  
Matthew L Carothers  
Cody D Caulum - Cum Laude  
Brian Michael Feldt - Summa Cum Laude  
Elizabeth Anne Fraki - Cum Laude  
Ryan M Holihan  
Andrew E Maday  
Nicholas William Maki

Andrew Maurice Quinn  
Jeremy Bruce Sullivan

Bachelor of Science in Wildlife Ecology and Management  
Michele Renee Pytleski  
Jason David Sawyer

Bachelor of Science in Wood Science  
William Joseph Simmons

Bachelor of Science in Anthropology  
Lindsay Ann Kiefer

Bachelor of Science in Bioinformatics  
Brian Nathan Hempel - Summa Cum Laude

Bachelor of Science in Biological Sciences  
Dominique Serena Blair  
Britni R Bryant - Cum Laude  
Lauren Kathleen Dedow - Summa Cum Laude  
Megan Lynn Elmlad  
Tara Marie Ferris  
Ashley Marie Mearim  
Heather Rae Vingsness

Bachelor of Science in Chemistry  
Brock Gregory Jackman  
Kristy L Loomis - Cum Laude

Bachelor of Science in Pharmaceutical Chemistry  
Alexandria Whitney Purtell

Bachelor of Science in Clinical Laboratory Science  
Carley Q Clements

Bachelor of Science in Computer Science  
Ashley Therese DePottey - Cum Laude  
Merrill Thomas Dynes  
Ryan Michael Gilles - Summa Cum Laude  
Paul Thomas Hillert  
Kekoa K Kaaikala - Cum Laude  
John Conor O'Neil  
David A Squires  
Kenneth Joseph Vella - Cum Laude  
Steven Todd Wheeler - Cum Laude  
Yan Wu  
Shufei Xie

Bachelor of Science in Computer Systems Science  
Thomas Gordon Waltz - Magna Cum Laude

Bachelor of Science in Audio Production and Technology  
Benjamin Jacob Boeshans - Magna Cum Laude

Bachelor of Science in Mathematics  
Joshua G Barker  
Brittany Germaine Kelly

Bachelor of Science in Biochemistry and Molecular Biology  
Elaan M Fox

Bachelor of Science in Physics  
Brian Scott Husted

Bachelor of Science in Psychology  
Jessica Lynn Alger  
Lance T Banwell  
Samantha Darlene Hendricks  
Krista Marie Knight  
David Michael Taylor

Bachelor of Science in Software Engineering  
Timothy Andrew Root

Bachelor of Science in Social Sciences  
Kelsey Alexandra Boyer  
Alisha Marie Kocjan  
Sean Raymond McIntosh  
Heather Marie Soumis  
Joseph P Winglemire

Bachelor of Science in Scientific and Technical Communication  
Enneesa Hahn  
George Thomas Holmstrom  
Kelly Ann Liimatta  
Eric William Thomas

Bachelor of Science in Construction Management  
Jason Michael Jurmu  
Scott David Keller  
Joel Mathew Pietila  
Patrick Alan Streit  
Joseph Donald Turpeinen  
Gregory Thomas Wagner

Bachelor of Science in Computer Network and System Administration

Chris Allen Anderson  
Todd Owen Arney  
Grant Louis Bolla  
Robert Arthur Buck  
David Lee Carlson  
Eric Joseph Dolski - Cum Laude  
Adam James Heisler  
Josiah G Juedes  
Bryce Newson-Dunn  
Eric Robert Northrop - Cum Laude  
Jacob Ryan Powell  
Graham Knox VanHeule  
Adam Roy Vest  
ML James Waters  
Ian Matthew Zens

Bachelor of Science in Electrical Engineering Technology

Derek John Fletcher - Cum Laude  
Joseph Alan Helppi  
Jacob W Hildebrandt  
Bryant DeWayne Jackson  
Norman Gustav Larson - Magna Cum Laude

Bachelor of Science in Industrial Technology

Brian Michael Bowers  
Blair J Froseth - Summa Cum Laude  
Kyle Kenneth Kierpaul  
Ryan Christopher Morrell-Peters  
Matthew J Osborne

Bachelor of Science in Mechanical Engineering Technology

Eric D Ahlem  
Michael Joseph Denomme  
John Frederick Feldmann  
Erik Jon Hornbogen  
Robert Bernard Jarema  
Jacob R Johnson  
James Richard Kramer  
Thomas Victor Lex - Cum Laude  
Robert Theodore Piaget  
Joseph Daniel Ruohonen  
Thomas Jeff Sgrecci  
Andrew Robert Wiltshire

Bachelor of Science in Surveying Engineering

Troy Michael Collins  
Jonathan Douglas Dick - Magna Cum Laude

Paul Martin Horning - Magna Cum Laude  
Jeremy P Leemon

Master of Business Administr. in Business Administration

Andrew Joseph Brinks  
Alicia C Creed  
Karthik Krishna  
Matthew Albert Mlinar  
Geoffrey Anthony Weston

Master of Engineering in Civil Engineering

Derek Levi Harter

Master of Forestry in Forestry

John Adam Blake  
Jason Mark Selin

Master of Science in Business Administration

Stephen William Stackhouse

Master of Science in Applied Natural Resource Economics

Peipei Zhao

Master of Science in Civil Engineering

Bashar A. Abdulzehra Al-Akayshee  
Olga Yesenia Castro  
Shu Wei Goh  
Justin W Hicks  
Robert Weldon Lothschutz  
Russell Howard Lutch  
Julian Nii Odartey Mills-Beale  
Kristen Lynn Roth

Master of Science in Chemical Engineering

Juan Eduardo Morinelly

Master of Science in Electrical Engineering

Aabhas Shivkumar Agarwal  
Ted L Anderson  
Himanshu Jaywant Bahirat  
Michael R Cronier  
Daniel Henri DeCoeur  
Runbin Huang  
Alex Joseph Varghese  
Kranthi Kumar Kundur  
Chao Li  
Stephen Douglas Lyke  
Maanas Bhooshan Mujumdar

Oluchukwu Raymond Okeke  
Nicholas Dane Peterson  
Jie Wu  
Hao Yan

Master of Science in Environmental Engineering  
Theresa Anne Liermann  
Erin M Satchell  
Glenn Anthony Vorhes

Master of Science in Geology  
Luke Jared Bowman  
Ruben Otoniel Matias Gomez

Master of Science in Mechanical Engineering  
Aabhas Shivkumar Agarwal  
Christopher James Coughlin  
David Michael Gillahan  
Rohan Suresh Khandale  
Dhairya Atulkumar Kikani  
Ram Vikram Kumar  
Robert Allan Lange  
Brandon Toby Rouse  
Jay Kiran Shah  
Tara Elizabeth Swanson  
Giridharan Thangavelu  
Andrew Moore Willemsen

Master of Science in Applied Ecology  
Chad Robert Fortin  
Michelle Elise Freeman

Master of Science in Forest Ecology and Management  
Jonathan Daniel Carlson  
Anne Helen Collins

Master of Science in Forestry  
Melissa Dione Watkins

Master of Science in Forest Molecular Genetics and Biotechnology  
Aparupa Sengupta

Master of Science in Applied Science Education  
Denise A Payment  
Eric M Ruckert

Master of Science in Biological Sciences  
Tara Nicole Waybrant

Master of Science in Computer Science

Bryan Michael Franklin  
Martin Chase Krogel  
Srichand Pendyala  
Steven Daniel Vormwald

Master of Science in Mathematical Sciences

Soofia Malik

Master of Science in Physics

Ehab Elhoussieny  
Abhay Pratap Singh

Master of Science in Environmental Policy

Nicholas Howe Johnson

Doctor of Philosophy in Chemical Engineering

Jill Renee Jensen

Doctor of Philosophy in Electrical Engineering

Wei Wang

Doctor of Philosophy in Materials Science and Engineering

Madhana Sunder

Doctor of Philosophy in Engineering - Environmental Engineering

Valerie J Fuchs  
Mark David Rowe

Doctor of Philosophy in Forest Science

Jessica Ann Beachy

Doctor of Philosophy in Forest Molecular Genetics and Biotechnology

Fuyu Xu

Doctor of Philosophy in Mechanical Engineering - Engineering Mechanics

James Diaz-Gonzalez  
Kang Xie

Doctor of Philosophy in Biological Sciences

Ratul Saha  
Zijun Xu

Doctor of Philosophy in Chemistry

Venkat Ramanareddy Donuru

Doctor of Philosophy in Industrial Heritage and Archeology  
Cameron Clark Hartnell

Doctor of Philosophy in Engineering Physics  
Ziyou Zhou

Doctor of Philosophy in Physics  
Parimal Kar

Doctor of Philosophy in Rhetoric and Technical Communication  
Jodi Green Lehman

**C. Gifts**

It was moved by M. Richardson, supported by K. Clark, 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  
Fundraising Productivity Report  
July 1, 2009 through March 31, 2010  
Compared to Prior Year**

Source	Goal	FY10 YTD Total	% YTD	FY09 YTD Total	FY09 Total
Individuals - Major Gifts (25K and up)	19,200,000	1,582,581	8%	10,838,255	10,974,255
Realized Planned Gifts (Unanticipated - 25K and up)		155,005		454,989	494,989
Individuals - non-Major Gifts	1,160,000	1,053,466	91%	1,073,230	1,347,774
Full Value New Planned Gift Commitments	7,300,000	2,186,043	30%	3,270,805	5,406,805
Annual Fund	1,590,000	1,221,273	77%	1,069,128	1,560,073
Corporations	2,250,000	1,082,217	48%	1,518,971	1,613,210
Foundations & Other Organizations	750,000	91,661	12%	114,465	212,591
Gifts-in-Kind	750,000	335,475	45%	922,680	1,019,955
<b>Grand Total</b>	<b>33,000,000</b>	<b>7,707,721</b>	<b>23%</b>	<b>19,269,302</b>	<b>22,629,452</b>

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

**Michigan Technological University**  
**Michigan Tech Fund**  
**Gift Activity Cash Report**  
July 1, 2009 through March 31, 2010  
Compared to Prior Year

Gift Type	FY10 YTD Total	FY09 YTD Total	\$ Change from Previous Fiscal Year	% Change from Previous Fiscal Year
Cash (current year)	4,204,798	5,219,773	-1,014,974	-19.4%
Realized Planned Gifts (current year)	188,187	481,823	-293,637	-60.9%
<b>Current Year Subtotal</b>	<b>4,392,985</b>	<b>5,701,596</b>	<b>-1,308,611</b>	<b>-23.0%</b>
Cash (receipts from prior year pledges)	1,783,858	905,109	857,549	94.0%
Realized Planned Gifts (previously recorded)	18,110	36,867	-20,548	-56.0%
<b>Receipts from Previous Year Subtotal</b>	<b>1,779,777</b>	<b>942,776</b>	<b>837,001</b>	<b>88.8%</b>
<b>Total</b>	<b>6,172,742</b>	<b>6,644,372</b>	<b>-471,630</b>	<b>-7.1%</b>

**D. Resignations, Retirements & Off Payroll**

It was moved by M. Richardson, supported by K. Clark, 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**  
(January 24, 2010 – March 20, 2010)

<b>Faculty</b>
----------------

<u>EXEMPT</u>	<u>Department</u>	<u>Title</u>	<u>Hire Date</u>	<u>Term Date</u>
Brososke, Kimberly	Forest Resources & Env Sci	Research Asst Professor	03/30/03	02/28/10

<b>Staff</b>
--------------

<u>NON-EXEMPT</u>	<u>Department</u>	<u>Title</u>	<u>Hire Date</u>	<u>Term Date</u>
Marcotte, Michael	Facilities Management	Building Attendant	09/03/74	03/19/10

<u>EXEMPT</u>	<u>Department</u>	<u>Title</u>	<u>Hire Date</u>	<u>Term Date</u>
Heyse, Matthew	Business and Economics	System Administrator II	05/23/05	03/01/10
Marr, Robert	Advancement	Mgr Info Svcs for Dev	02/12/06	02/28/10
See, Valerie	Keweenaw Research Center	Admin of Services	02/08/84	02/19/10
Westlund, Cheryl	Civil & Env Eng	Manager TTAP	10/01/04	02/26/10

**E. Degree Title Changes**

It was moved by M. Richardson, supported by K. Clark, and passed by voice vote without dissent, that the Board of Control approves the changing of the degree title Bachelor of Arts in Liberal Arts with a Concentration in Interdisciplinary Studies to Bachelor of Arts in Liberal Arts.

It was moved by M. Richardson, supported by K. Clark, and passed by voice vote without dissent, that the Board of Control approves the changing of the degree title Bachelor of Arts in Liberal Arts with a Concentration in English to Bachelor of Arts in English.

## V. ACTION/DISCUSSION ITEMS

### V-A. Appointments, Not Involving Tenure and/or Promotion

It was moved by T. Baldini, supported by M. Richardson, and passed by voice vote without dissent, that the Board of Control approves the appointments listed herein. The appointments do not include tenure or promotion.

#### Appointment without Tenure for Two Years Effective August 16, 2010

Joel Tuoriniemi	Assistant Professor	School of Business & Economics
Andrew Burton	Associate Professor	School of Forest Res & Env Sciences
Rodney Chimner	Assistant Professor	School of Forest Res & Env Sciences
John Vucetich	Assistant Professor	School of Forest Res & Env Sciences
Hairong Wei	Assistant Professor	School of Forest Res & Env Sciences
Liran Ma	Assistant Professor	School of Technology
Xinli Wang	Assistant Professor	School of Technology
Ryan Gilbert	Assistant Professor	Biomedical Engineering
Keat Ghee Ong	Assistant Professor	Biomedical Engineering
Rupak Rajachar	Assistant Professor	Biomedical Engineering
Wenzhen Li	Assistant Professor	Chemical Engineering
Veronica Griffis	Assistant Professor	Civil & Environmental Engineering
Devin Harris	Assistant Professor	Civil & Environmental Engineering
Shiyan Hu	Assistant Professor	Electrical & Computer Engineering
Wayne Weaver	Assistant Professor	Electrical & Computer Engineering
Zhijun Zhao	Assistant Professor	Electrical & Computer Engineering
Simon Carn	Assistant Professor	Geological & Mining Engrg & Sciences
Seong-Young Lee	Assistant Professor	Mechanical Engrg-Engrg Mechanics
Scott Miers	Assistant Professor	Mechanical Engrg-Engrg Mechanics
Abhijit Mukherjee	Assistant Professor	Mechanical Engrg-Engrg Mechanics
Shari Stockero	Assistant Professor	Cognitive & Learning Sciences
Ali Ebneasir	Assistant Professor	Computer Science
Robert Pastel	Assistant Professor	Computer Science
Karen Roemer	Assistant Professor	Exercise Sci, Health & Physical Ed
Jingfang Ren	Assistant Professor	Humanities
Marika Seigel	Assistant Professor	Humanities
Ketty Thomas	Assistant Professor	Humanities
Melissa Keranen	Assistant Professor	Mathematical Sciences
Yolanda Munoz Maldonado	Assistant Professor	Mathematical Sciences
Wenjun Ying	Assistant Professor	Mathematical Sciences

9204  
04/30/10

Le Zhang	Assistant Professor	Mathematical Sciences
Kim Fook Lee	Assistant Professor	Physics
Claudio Mazzoleni	Assistant Professor	Physics
Samuel Sweitz	Assistant Professor	Social Sciences
Kalen Larson	Assistant Professor	Visual & Performing Arts

**Appointment without Tenure for One Year  
Effective August 16, 2010**

Wendy Anderson	Assistant Professor	Humanities
Phillip Merkey	Assistant Professor	Mathematical Sciences/Computer Sci
Audrey Mayer	Assistant Professor	Social Sciences
Brian Davis	Assistant Professor	School of Technology
Robert Liimakka	Assistant Professor	School of Technology

**V-B. Appointments, Involving Tenure/Promotion**

It was moved by K. Clark, supported by M. Richardson, and passed by voice vote without dissent, that the Board of Control approves the appointments involving tenure and/or promotion listed herein.

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

Shiyue Fang	Chemistry
Jason Carter	Exercise Science, Health & Physical Education
Jeremy Goldman	Biomedical Engineering
Yun Hang Hu	Materials Science Engineering
Yu Wang	Materials Science Engineering
Guy Hembroff	School of Technology

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

John Irwin	School of Technology
------------	----------------------

**Appointment from Professor without Tenure to  
Professor with Tenure**

Paul Doskey	Civil & Environmental Engineering
-------------	-----------------------------------

**V-C. Promotions**

It was moved by K. Clark, supported by P. Ollila, and passed by voice vote without dissent, that the Board of Control approves the promotions listed herein.

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

Dana Johnson	School of Business & Economics
David Flaspohler	School of Forest Resources & Environmental Science
Patricia Sotirin	Humanities
Kathleen Halvorsen	Social Sciences

**V-D. Appointment with Tenure**

It was moved by M. Richardson, supported by T. Baldini, and passed by voice vote without dissent, that the Board of Control approves the appointment of Dr. Sean Kirkpatrick as Associate Professor with tenure in the Department of Biomedical Engineering effective May 10, 2010.

**V-E. Proposal for a Ph.D. in Environmental and Energy Policy**

It was moved by M. Richardson, supported by P. Ollila, and passed by voice vote without dissent, that the Board of Control approves the advancement of the proposal of the Doctor of Philosophy Degree Program in Environmental and Energy Policy to the State Academic Affairs Officers.

**V-F. Proposal for a Ph.D. in Geophysics**

It was moved by T. Baldini, supported by R. Reck, and passed by voice vote without dissent, that the Board of Control approves the advancement of the proposal of the Doctor of Philosophy Degree Program in Geophysics to the State Academic Affairs Officers.

**V-G. Election of Chair and Vice Chair**

It was moved by P. Ollila, supported by T. Baldini, and passed by voice vote without dissent, that the Board of Control elects Martha Richardson as Chair and Stephen Hicks as Vice Chair for the 2010-2011 fiscal year.

**V-H. FY 2011 General Fund Operating Budget**

It was moved by S. Hicks, supported by R. Reck, and passed by voice vote without dissent, that the Board of Control approves the FY 2011 General Fund Operating Budget, amends Board of Control policy 9.4. Tuition Rates accordingly, and authorizes the President to reduce tuition and fees, with prior Board notification, if the State appropriation exceeds anticipated levels.

Ms. Richardson commented that it is important for us all to emphasize the fact that with any tuition increase, which we are having this year, that the Board really wrestles with that and we hate to raise tuition. We know how much it hurts the students, and they are the reason that we are all here. On the other hand, with the State continuing to chip away and whittle away at the funding it puts the University in a very difficult situation. We cannot afford to sacrifice the quality of education that our students are getting because that is the absolute major benefit that they yield upon graduation. The Finance and Audit Committee spends hours and hours working over the figures trying to figure out how to have as little a negative impact on students as we possibly can. I commend them for their work and they really struggle with this, and the rest of the Board is always on their case to remember the students as we always think about the students first. It is just an impossible situation. We must maintain the excellence of quality education, and dwindling State support makes it more difficult.

President Mroz agreed with Ms. Richardson. He also pointed out that he will be testifying to the House Higher Education Committee on Monday morning and will relay the message that we will reduce tuition if the State does not cut the appropriation.

Chair Gronevelt commented that since he has been on the Board, and that coincides almost to the day with Dr. Mroz being in the role of leadership here at Michigan Tech, there has been a great deal of effort made to improve compensation to faculty and staff. The Board has done that even at times under great criticism, because it is important that we retain quality people to have a quality program. This is the first year that there will be no raises since he has been on the Board and Dr. Mroz has been president. It is a very serious budget. It's kind of a same as last year budget, the increases only relate to the escalation of costs that we have no control over. That's how tight the revenue situation is.

Mr. Hicks stated that the organization has done a very good job of staying with the strategic plan and being fiscally responsible. However, the one thing that does get lost in the conversation is our commitment to scholarships. Almost 40% of the \$101 million in tuition that we take in will go back in terms of scholarships and fellowships. We give back a significant amount of our operating revenue in scholarships. For a lot of places when times get tough they cut, we have not cut and we will be successful over the long run.

Michigan Technological University  
General Fund FY11 Budget  
In Thousands

	Budget		Variance	
	Base Year	Budget Year		
	FY10	FY11		
<b>Operating Revenues</b>				
Tuition and Fees	\$ 93,619,893	\$ 99,090,000	\$ 5,470,107	5.84%
Federal Grants and Contracts	150,000	150,000	-	0.00%
Indirect Cost Recoveries	11,200,000	11,400,000	200,000	1.79%
Educational Activities	348,500	348,500	-	0.00%
	<u>\$ 105,318,393</u>	<u>\$ 110,988,500</u>	<u>\$ 5,670,107</u>	<u>5.38%</u>
<b>Operating Expenses</b>				
Staff S&W	\$ (27,771,403)	\$ (28,721,231)	\$ (949,828)	3.42%
Faculty S&W	\$ (37,642,055)	(39,658,390)	(2,016,335)	5.36%
Grad Student S&W	\$ (3,188,429)	(3,288,429)	(100,000)	3.14%
Undergrad Student S&W	\$ (1,172,295)	(1,172,295)	-	0.00%
Fringe Benefits	\$ (27,651,582)	(26,155,205)	1,496,377	-5.41%
Supplies & Services	\$ (17,208,200)	(17,911,521)	(703,321)	4.09%
Scholarships	\$ (23,130,107)	(25,630,107)	(2,500,000)	10.81%
Utilities	\$ (4,721,000)	(4,721,000)	-	0.00%
	<u>\$ (142,485,071)</u>	<u>\$ (147,258,178)</u>	<u>\$ (4,773,107)</u>	<u>3.35%</u>
<b>Transfers</b>				
Mandatory	\$ (93,069)	(93,069)	\$ -	0.00%
Mandatory/Non-Mandatory	(11,959,253)	(11,539,253)	420,000	-3.51%
	<u>\$ (12,052,322)</u>	<u>\$ (11,632,322)</u>	<u>\$ 420,000</u>	<u>-3.48%</u>
<b>Nonoperating Revenues (Expenses)</b>				
State Appropriations	\$ 49,219,000	\$ 47,902,000	\$ (1,317,000)	-2.68%
	<u>\$ 49,219,000</u>	<u>\$ 47,902,000</u>	<u>\$ (1,317,000)</u>	<u>-2.68%</u>
<b>Net Income (Loss)</b>				
	<u>\$ -</u>	<u>\$ (0)</u>	<u>\$ (0)</u>	

Michigan Technological University  
Tuition Rates

	2009-10 Tuition Per Credit	Proposed 2010-11 Tuition Per Credit	Increase
Undergraduate Resident per credit rate	\$350.00	\$372.50	\$22.50
Undergraduate Non-Resident per credit rate	\$759.00	\$789.50	\$30.50
Graduate Resident and Non-Resident per credit rate	\$595.00	\$625.00	\$30.00
Graduate Resident and Non-Resident per credit rate for Applied Science Education and on campus Peace Corps students	\$411.00	\$431.00	\$20.00
Graduate Resident and Non-Resident per credit rate for Graduate Students who are in the Research Only Mode	\$198.00	\$208.00	\$10.00
Engineering/Computer Science Tuition fee per semester for Undergraduates taking fewer than 6 credits and Graduate students taking fewer than 5 credits	\$310.00	\$330.00	\$20.00
Engineering/Computer Science Tuition fee per semester for Undergraduates taking 6 credits or more and Graduate students taking 5 credits or more	\$620.00	\$660.00	\$40.00
On-line MBA Program - includes cost of tuition for the two-year degree and three required residencies, which includes housing and most meals, but not transportation.	N/A	\$38,000.00	

Note: On-line MBA Program Tuition and Fees for 2010-11 as approved by the Board of Control on March 4, 2010.

**V-I. Second Resolution Amending Bond Authorization Resolution of March 5, 2009**

The original bond resolution was passed by the Board of Control on March 5, 2009 for an amount not to exceed \$25,000,000, and on October 8, 2009 the Board of Control approved amending the original bond resolution to add language regarding new bond structures authorized under the enactment of ARRA. Since that time, the Administration has identified several key projects and is requesting that the bond resolution be increased by \$1,000,000 to fund these projects. These projects include the replacement of the chiller system in the Electrical Energy Resources Center, and safety improvements for the Electrical Energy Resources Center, the Dow Environmental Sciences and Engineering Building, and Grover C. Dillman Hall.

It was moved by R. Reck, supported by T. Baldini, and passed by voice vote without dissent, that the Board of Control approves the Second Resolution Amending the Bond Authorization Resolution of March 5, 2009 as presented herein.

SECOND RESOLUTION AMENDING  
RESOLUTION OF THE BOARD OF CONTROL OF  
MICHIGAN TECHNOLOGICAL UNIVERSITY  
AUTHORIZING THE ISSUANCE AND DELIVERY OF  
GENERAL REVENUE BONDS AND PROVIDING FOR  
OTHER MATTERS RELATING THERETO

WHEREAS, the Board of Control of Michigan Technological University (the “Board”) is a constitutional body corporate established pursuant to Article VIII, Section 6 of the Michigan Constitution of 1963, as amended, with general supervision of Michigan Technological University (the “University”) and the control and direction of all expenditures from the University’s funds; and

WHEREAS, on March 5, 2009, the Board adopted its RESOLUTION OF THE BOARD OF CONTROL OF MICHIGAN TECHNOLOGICAL UNIVERSITY AUTHORIZING THE ISSUANCE AND DELIVERY OF GENERAL REVENUE BONDS AND PROVIDING FOR OTHER MATTERS RELATING THERETO (the “Original Resolution”), authorizing the issuance of its General Revenue Bonds (the “Bonds”) in an amount not to exceed the principal amount necessary to produce proceeds of Twenty Five Million Dollars (\$25,000,000); and

WHEREAS, the Original Resolution was amended on October 8, 2009, and, as so amended, is herein called the “Resolution”; and

WHEREAS, the Board has identified additional projects that it wishes to finance and has determined it is necessary to amend the Resolution to include these projects;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF CONTROL OF MICHIGAN TECHNOLOGICAL UNIVERSITY, AS FOLLOWS:

1. Section 2 of the Resolution is hereby amended by increasing the maximum principal amount to the principal amount necessary to produce proceeds of Twenty-Six Million Dollars (\$26,000,000).
2. Exhibit A of the Resolution is hereby amended and restated as set forth in Exhibit A of this Second Amending Resolution.
3. As amended hereby, the Resolution is ratified and confirmed and shall remain in full force and effect.

**EXHIBIT A**  
**PROJECT**

The Project consists of the following capital improvement items, at a currently estimated cost of \$25,125,000\*

<b><u>Item</u></b>	<b><u>Currently Estimated Cost to be Funded from Bond Proceeds*</u></b>
Residential Apartment Complex	\$16,500,000
Great Lakes Research Center	6,775,000
Keweenaw Research Center	1,000,000
Improvements, upgrades to, and/or replacement of Life Safety Systems (Various Campus Buildings)	850,000

---

\* Exclusive of capitalized interest, bond insurance premium and other bond issuance expenses.

## **VI. REPORTS**

- A. Research and Sponsored Programs Report – Dr. David Reed, Vice President for Research  
A copy of Dr. Reed's report was included in the agenda book.
- B. University Senate Report – Dr. Rudy Luck, President  
A copy of Dr. Luck's report was included in the agenda book.
- C. Undergraduate Student Government Report – Mr. Paul Mattson, President  
A copy of Mr. Mattson's report was included in the agenda book.
- D. Graduate Student Government Report – Mr. Jarod Maggio, President Elect  
A copy of Mr. Maggio's report was included in the agenda book.

## **VII. INFORMATIONAL ITEMS**

- A. Analysis of Investments
- B. University Issued Bond Balances
- C. Research and Sponsored Programs
- D. Advancement Report
- E. Recent Media Coverage

## **VIII. OTHER BUSINESS**

There was no other business at this time.

## **IX. PUBLIC COMMENTS**

There were no public comments at this time.

## **X. CLOSED SESSION FOR A REAL PROPERTY TRANSACTIONS**

It was moved by P. Ollila, supported by M. Richardson, and passed by voice vote without dissent, that the Board of Control proceed into closed session for real property transactions. (A closed session for such a purpose is provided for in Section 8 (d) of P.A. 267 of 1976). (A roll call vote is required).

Roll Call Vote:

Hicks – Yes	Reck - Yes
Richardson – Yes	Clark - Yes
Ollila - Yes	Gronevelt - Yes
Baldini – Yes	

The motion passed.

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

**Theta Tau**

It was moved by M. Richardson, supported by T. Baldini, and passed by voice vote without dissent, that the Board of Control approves the Agreement to Purchase and Option to Purchase Real Estate as presented. It further authorizes the President to execute the conveyance and other documents necessary to transfer the MTU parcel to Theta Tau and to exercise or decline the option to purchase the Theta Tau parcel in accordance with the agreement. The Board further requests that the final design of the new Theta Tau house be presented to the President for his review and comment prior to commencement of construction.

**XI. ADJOURNMENT**

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

---

Secretary of the Board of Control

---

Chair, Board of Control