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

Meeting of
April 30, 2010
Table of Contents

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
      - Provost Report 9179
   B. Finance and Audit Committee
      - 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
      Resolution of March 5, 2009 9208

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
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIII.</td>
<td>Other Business</td>
<td>9210</td>
</tr>
<tr>
<td>IX.</td>
<td>Public Comments</td>
<td>9210</td>
</tr>
<tr>
<td>X.</td>
<td>Closed Session for Real Property Transactions</td>
<td>9210</td>
</tr>
<tr>
<td></td>
<td>- Theta Tau</td>
<td></td>
</tr>
<tr>
<td>XI.</td>
<td>Adjournment</td>
<td>9211</td>
</tr>
</tbody>
</table>
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 Butvila, 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 sync 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.

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**Academic Affairs Program Review**

*Board of Control Meeting*

*April 30, 2010*

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**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

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Faculty</th>
<th>Undergraduate</th>
<th>Masters</th>
<th>PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Engineering</td>
<td>0.6</td>
<td>1.4</td>
<td>0.0</td>
<td>0.2</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>0.6</td>
<td>1.3</td>
<td>0.5</td>
<td>0.4</td>
</tr>
<tr>
<td>Civil and Environmental</td>
<td>0.7</td>
<td>1.2</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td>Electrical &amp; Comp. Eng.</td>
<td>0.3</td>
<td>0.8</td>
<td>0.4</td>
<td>0.3</td>
</tr>
<tr>
<td>Material Sci. &amp; Eng.</td>
<td>1.4</td>
<td>1.9</td>
<td>0.8</td>
<td>0.5</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>0.8</td>
<td>1.3</td>
<td>1.1</td>
<td>0.9</td>
</tr>
<tr>
<td><strong>Average</strong></td>
<td>0.7</td>
<td><strong>1.3</strong></td>
<td><strong>0.5</strong></td>
<td><strong>0.5</strong></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Growth in</th>
<th>BS</th>
<th>MS</th>
<th>PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical</td>
<td>180%</td>
<td>157%</td>
<td>226%</td>
</tr>
<tr>
<td>Chemical</td>
<td>-19%</td>
<td>-10%</td>
<td>36%</td>
</tr>
<tr>
<td>Electr./Comp.</td>
<td>-3%</td>
<td>34%</td>
<td>47%</td>
</tr>
<tr>
<td>Mechanical</td>
<td>33%</td>
<td>37%</td>
<td>36%</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th></th>
<th>New B.S. Degree</th>
<th>BSBA with Concentration</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>64</td>
<td>35</td>
<td>99</td>
</tr>
<tr>
<td>Economics</td>
<td>23</td>
<td>N/A</td>
<td>23</td>
</tr>
<tr>
<td>Finance</td>
<td>44</td>
<td>23</td>
<td>67</td>
</tr>
<tr>
<td>Management</td>
<td>49</td>
<td>55</td>
<td>104</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>8</td>
<td>22</td>
<td>30</td>
</tr>
<tr>
<td>Marketing</td>
<td>26</td>
<td>53</td>
<td>79</td>
</tr>
<tr>
<td>Operations and Systems Management</td>
<td>2</td>
<td>7</td>
<td>2</td>
</tr>
<tr>
<td>Undeclared Concentration</td>
<td>N/A</td>
<td>38</td>
<td>38</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>449</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.
Finance and Audit Committee Report

Mr. Tom Baldini provided the Board with the following report.

The Finance and Audit Committee held two meetings this month. As we all know it is a challenging time in Michigan to prepare budgets, and in a very quick macro sense the University is in good shape.
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
we 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

<table>
<thead>
<tr>
<th>ASSETS</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Assets</td>
<td>$49,945,732</td>
</tr>
<tr>
<td>Noncurrent Assets</td>
<td></td>
</tr>
<tr>
<td>Capital Assets, net</td>
<td>233,107,302</td>
</tr>
<tr>
<td>Other Noncurrent Assets</td>
<td>21,313,356</td>
</tr>
<tr>
<td><strong>TOTAL ASSETS</strong></td>
<td><strong>$304,438,900</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIABILITIES</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Liabilities</td>
<td>$19,446,894</td>
</tr>
<tr>
<td>Noncurrent Liabilities</td>
<td>75,362,636</td>
</tr>
<tr>
<td><strong>TOTAL LIABILITIES</strong></td>
<td><strong>$94,809,530</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NET ASSETS</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investments in capital assets, net of related debt</td>
<td>$160,072,073</td>
</tr>
<tr>
<td>Other net assets, restricted and unrestricted</td>
<td>48,634,787</td>
</tr>
<tr>
<td><strong>TOTAL NET ASSETS</strong></td>
<td><strong>$209,066,860</strong></td>
</tr>
</tbody>
</table>
### Current Fund FY10

**Income Statement Projection**

<table>
<thead>
<tr>
<th></th>
<th>Original Projection</th>
<th>3rd Qtr Projection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>236,448</td>
<td>260,217</td>
</tr>
<tr>
<td>Expense</td>
<td>(227,018)</td>
<td>(236,657)</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>9,430</td>
<td>3,561</td>
</tr>
<tr>
<td><strong>Current Fund Balance</strong></td>
<td>10,183</td>
<td>10,183</td>
</tr>
</tbody>
</table>

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

### Current Fund Balances

<table>
<thead>
<tr>
<th></th>
<th>06/30/09</th>
<th>09/30/09</th>
<th>06/30/10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Current Fund</strong></td>
<td>$15,415</td>
<td>$15,635</td>
<td>$16,196</td>
</tr>
<tr>
<td><strong>Legally Restricted Funds</strong></td>
<td>(2,833)</td>
<td>(2,822)</td>
<td>(2,888)</td>
</tr>
<tr>
<td><strong>Unrestricted Fund Balance</strong></td>
<td>$12,582</td>
<td>$12,813</td>
<td>$13,307</td>
</tr>
</tbody>
</table>

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
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 2010005

Associate in Applied Science in Engineering Technology
Eric Duane Phillipson

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

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 Scheinloenig - 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 Stephen Fredrick 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 Elmblad
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 Purcell

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 Kaaiakala - 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 Ruohonenn
  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

<table>
<thead>
<tr>
<th>Source</th>
<th>Goal</th>
<th>FY10 YTD Total</th>
<th>% YTD</th>
<th>FY09 YTD Total</th>
<th>FY09 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Individuals - Major Gifts (25K and up)</strong></td>
<td>18,200,000</td>
<td>1,582,581</td>
<td>9%</td>
<td>10,838,256</td>
<td>10,974,250</td>
</tr>
<tr>
<td><strong>Realized Planned Gifts (Unanticipated - 25K and up)</strong></td>
<td>155,000</td>
<td></td>
<td></td>
<td>454,084</td>
<td>494,094</td>
</tr>
<tr>
<td><strong>Individuals - non-Major Gifts</strong></td>
<td>1,100,000</td>
<td>1,053,490</td>
<td>91%</td>
<td>1,073,232</td>
<td>1,347,774</td>
</tr>
<tr>
<td><strong>Full Value New Planned Gift Commitments</strong></td>
<td>7,300,000</td>
<td>2,196,043</td>
<td>30%</td>
<td>3,279,805</td>
<td>5,406,808</td>
</tr>
<tr>
<td><strong>Annual Fund</strong></td>
<td>1,590,000</td>
<td>1,221,276</td>
<td>77%</td>
<td>1,099,128</td>
<td>1,500,073</td>
</tr>
<tr>
<td><strong>Corporations</strong></td>
<td>2,250,000</td>
<td>1,082,215</td>
<td>48%</td>
<td>1,515,971</td>
<td>1,613,216</td>
</tr>
<tr>
<td><strong>Foundations &amp; Other Organizations</strong></td>
<td>750,000</td>
<td>91,681</td>
<td>12%</td>
<td>114,495</td>
<td>212,594</td>
</tr>
<tr>
<td><strong>Gifts-in-Kind</strong></td>
<td>750,000</td>
<td>335,479</td>
<td>45%</td>
<td>922,592</td>
<td>1,016,955</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>33,000,000</td>
<td>7,707,724</td>
<td>22%</td>
<td>19,769,302</td>
<td>22,629,452</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Gift Type</th>
<th>FY10 YTD Total</th>
<th>FY99 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>4,204,746</td>
<td>5,219,773</td>
<td>-1,014,027</td>
<td>-19.4%</td>
</tr>
<tr>
<td>Realized Planned Gifts (current year)</td>
<td>186,167</td>
<td>481,627</td>
<td>-295,457</td>
<td>-60.9%</td>
</tr>
<tr>
<td><strong>Current Year Subtotal</strong></td>
<td><strong>4,390,913</strong></td>
<td><strong>5,701,399</strong></td>
<td><strong>-1,310,486</strong></td>
<td><strong>-22.9%</strong></td>
</tr>
<tr>
<td>Cash (receipts from prior year pledges)</td>
<td>1,703,258</td>
<td>909,104</td>
<td>857,154</td>
<td>94.4%</td>
</tr>
<tr>
<td>Realized Planned Gifts (previously recorded)</td>
<td>16,116</td>
<td>35,657</td>
<td>-19,541</td>
<td>-55.0%</td>
</tr>
<tr>
<td><strong>Receipts from Previous Year Subtotal</strong></td>
<td><strong>1,719,374</strong></td>
<td><strong>944,761</strong></td>
<td><strong>874,613</strong></td>
<td><strong>89.8%</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6,112,287</strong></td>
<td><strong>6,644,160</strong></td>
<td><strong>-531,873</strong></td>
<td><strong>-7.6%</strong></td>
</tr>
</tbody>
</table>

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)*

<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>Brososke, Kimberly</td>
<td>Forest Resources &amp; Env Sci</td>
<td>Research Asst Professor</td>
<td>03/30/03</td>
<td>02/28/10</td>
</tr>
</tbody>
</table>

<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>Marquette, Michael</td>
<td>Facilities Management</td>
<td>Building Attendant</td>
<td>09/03/74</td>
<td>03/19/10</td>
</tr>
</tbody>
</table>

<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>Hayse, Matthew</td>
<td>Business and Economics</td>
<td>System Administrator II</td>
<td>05/23/05</td>
<td>03/01/10</td>
</tr>
<tr>
<td>Marr, Robert</td>
<td>Advancement</td>
<td>Mgr Info Svcs for Dev</td>
<td>02/12/06</td>
<td>02/28/10</td>
</tr>
<tr>
<td>See, Valerie</td>
<td>Keweenaw Research Center</td>
<td>Admin of Services</td>
<td>02/08/84</td>
<td>02/19/10</td>
</tr>
<tr>
<td>Westlund, Cheryl</td>
<td>Civil &amp; Env Eng</td>
<td>Manager TTAP</td>
<td>10/01/04</td>
<td>02/26/10</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th></th>
<th>Budget Base Year</th>
<th>Budget Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Revenues</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$93,619,893</td>
<td>$99,090,000</td>
</tr>
<tr>
<td></td>
<td>$150,000</td>
<td>$150,000</td>
</tr>
<tr>
<td></td>
<td>$11,200,000</td>
<td>$11,400,000</td>
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<tr>
<td></td>
<td>$348,500</td>
<td>$348,500</td>
</tr>
<tr>
<td></td>
<td>$105,318,393</td>
<td>$110,888,500</td>
</tr>
<tr>
<td><strong>Operating Expenses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff S&amp;W</td>
<td>$(27,771,403)</td>
<td>$(28,721,231)</td>
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<tr>
<td></td>
<td>$(37,842,055)</td>
<td>$(39,658,390)</td>
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<tr>
<td></td>
<td>$(3,188,429)</td>
<td>$(3,288,429)</td>
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<tr>
<td></td>
<td>$(1,172,296)</td>
<td>$(1,172,296)</td>
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<tr>
<td>Fringe Benefits</td>
<td>$(27,851,582)</td>
<td>$(26,155,206)</td>
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<tr>
<td></td>
<td>$(17,208,200)</td>
<td>$(17,911,521)</td>
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<td></td>
<td>$(23,130,107)</td>
<td>$(25,630,107)</td>
</tr>
<tr>
<td></td>
<td>$(4,721,000)</td>
<td>$(4,721,000)</td>
</tr>
<tr>
<td></td>
<td>$(142,485,071)</td>
<td>$(147,256,178)</td>
</tr>
<tr>
<td><strong>Transfers</strong></td>
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</tr>
<tr>
<td>Mandatory</td>
<td>$93,069</td>
<td>$93,069</td>
</tr>
<tr>
<td></td>
<td>$(11,859,253)</td>
<td>$(11,539,253)</td>
</tr>
<tr>
<td></td>
<td>$12,052,322</td>
<td>$11,832,322</td>
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<tr>
<td><strong>Nonoperating Revenues (Expenses)</strong></td>
<td>$49,219,000</td>
<td>$47,902,000</td>
</tr>
<tr>
<td></td>
<td>$49,219,000</td>
<td>$47,902,000</td>
</tr>
<tr>
<td></td>
<td>$(1,317,000)</td>
<td>$(1,317,000)</td>
</tr>
<tr>
<td><strong>Net Income (Loss)</strong></td>
<td>$0</td>
<td>$0</td>
</tr>
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</table>
Michigan Technological University
Tuition Rates

<table>
<thead>
<tr>
<th></th>
<th>2009-10</th>
<th>Proposed 2010-11</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Resident per credit rate</td>
<td>$350.00</td>
<td>$372.50</td>
<td>$22.50</td>
</tr>
<tr>
<td>Undergraduate Non-Resident per credit rate</td>
<td>$759.00</td>
<td>$789.50</td>
<td>$30.50</td>
</tr>
<tr>
<td>Graduate Resident and Non-Resident per credit rate</td>
<td>$595.00</td>
<td>$625.00</td>
<td>$30.00</td>
</tr>
<tr>
<td>Graduate Resident and Non-Resident per credit rate for Applied Science Education and on campus Peace Corps students</td>
<td>$411.00</td>
<td>$431.00</td>
<td>$20.00</td>
</tr>
<tr>
<td>Graduate Resident and Non-Resident per credit rate for Graduate Students who are in the Research Only Mode</td>
<td>$198.00</td>
<td>$208.00</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

Engineering/Computer Science Tuition fee per semester for Undergraduates taking fewer than 6 credits and Graduate students taking fewer than 5 credits

<table>
<thead>
<tr>
<th></th>
<th>2010-11</th>
<th>Proposed 2010-11</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering/Computer Science Tuition fee per semester for Undergraduates taking 6 credits or more and Graduate students taking 5 credits or more</td>
<td>$310.00</td>
<td>$330.00</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th></th>
<th>2010-11</th>
<th>Proposed 2010-11</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td>$38,000.00</td>
<td></td>
</tr>
</tbody>
</table>

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:

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