CAMPUS FORUM

October 13, 2009
Vision for 2035:

World Class Research University
Strategic Plan

• Approved by Board of Control on July 16, 2009

✓ Major Goals Remain Same
  ➢ People
  ➢ Distinctive Education
  ➢ Research/Scholarship/Creativity

• http://www.mtu.edu/stratplan/
UNIVERSITY METRICS
Incoming Freshmen ACT Scores
Composite University Goal: 26

Fall Semester Average

- Institution
- State Average
- National Average

<table>
<thead>
<tr>
<th>Year</th>
<th>ACT Composite Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>25.1</td>
</tr>
<tr>
<td>2006</td>
<td>25.2</td>
</tr>
<tr>
<td>2007</td>
<td>25.6</td>
</tr>
<tr>
<td>2008</td>
<td>25.6</td>
</tr>
<tr>
<td>2009</td>
<td>26</td>
</tr>
</tbody>
</table>
Number of PhDs Awarded, Goal: 69

- 2004-05: 44
- 2005-06: 41
- 2006-07: 65
- 2007-08: 54
- 2008-09: 57

Fiscal Year
ENROLLMENT
Michigan Tech Fall Enrollment History 1970-2009

*2009 figures are final preliminary

- Standard Learning
- On-Line Learning
- ESD Students
New Student Enrollment by Student Type

<table>
<thead>
<tr>
<th>Year</th>
<th>Freshmen</th>
<th>Transfer</th>
<th>Masters</th>
<th>Doctoral</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>1,227</td>
<td>198</td>
<td>151</td>
<td>72</td>
</tr>
<tr>
<td>2005</td>
<td>1,327</td>
<td>213</td>
<td>156</td>
<td>96</td>
</tr>
<tr>
<td>2006</td>
<td>1,169</td>
<td>218</td>
<td>169</td>
<td>77</td>
</tr>
<tr>
<td>2007</td>
<td>1,223</td>
<td>229</td>
<td>138</td>
<td>73</td>
</tr>
<tr>
<td>2008</td>
<td>1,365</td>
<td>216</td>
<td>171</td>
<td>72</td>
</tr>
<tr>
<td>2009</td>
<td>1,159</td>
<td>236</td>
<td>106</td>
<td>106</td>
</tr>
</tbody>
</table>
FINANCIAL POSITION
## Current Fund 2009 (in Thousands)

<table>
<thead>
<tr>
<th></th>
<th>Original Projection</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td>232,008</td>
<td>228,829</td>
</tr>
<tr>
<td><strong>Expense</strong></td>
<td>(231,536)</td>
<td>(227,394)</td>
</tr>
<tr>
<td><strong>Investment Gains (Losses)</strong></td>
<td>550</td>
<td>(1,215)</td>
</tr>
<tr>
<td><strong>Net Income (Loss)</strong></td>
<td>1,022</td>
<td>220</td>
</tr>
<tr>
<td><strong>Current Fund Balance</strong></td>
<td>16,437</td>
<td>15,635</td>
</tr>
</tbody>
</table>

**Note:** Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.
State Higher Education Budget
Appropriations (in Thousands)

*FY 2007 Estimated
Adjusted to FY1984 Dollars
Institution’s 2008 total debt-per-student

Source: IPEDS
FACULTY HIRING
Michigan Technological University  
Tenured/Tenure Track Faculty by Gender  
2004-05 through 2009-10

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>251</td>
<td>241</td>
<td>235</td>
<td>239</td>
<td>241</td>
<td>245</td>
</tr>
<tr>
<td>Female</td>
<td>64</td>
<td>65</td>
<td>65</td>
<td>71</td>
<td>71</td>
<td>86</td>
</tr>
<tr>
<td>Total</td>
<td>315</td>
<td>306</td>
<td>300</td>
<td>310</td>
<td>312</td>
<td>331</td>
</tr>
</tbody>
</table>

**Percent Female**  
20.3  21.2  21.7  22.9  22.8  26.0

Note: Figures include all tenured and tenure track instructional and research faculty. Also includes those faculty on sabbatical or on unpaid leave of absence. Deans, associate deans, department chairs, executives and professional staff with tenure are excluded.
Tenured/Tenured-Track Faculty
June 2007

Number of Faculty

Years - Age of Faculty

- Asst Professor
- Assoc Professor
- Professor
Tenured/Tenured-Track Faculty - 2008

(does not include administrative faculty, i.e. deans, chairs)

Years - Age of Faculty

- 25 - 29
- 30 - 35
- 36 - 39
- 40 - 45
- 46 - 49
- 50 - 55
- 56 - 59
- 60 - 65
- 66 - 69
- 70 - 75

Number of Faculty

- Assistant Professor
- Associate Professor
- Professor
Tenured/Tenured-Track Faculty as of 10/05/2009
(does not include administrative faculty, i.e. deans, chairs)

Number of Faculty by Years - Age of Faculty:

- Assistant Professor
- Associate Professor
- Professor

25-29: 6
30-35: 43
36-39: 30
40-45: 31
46-49: 19
50-55: 19
56-59: 26
60-65: 20
66-69: 24
70-75: 5

Legend:
- □ Assistant Professor
- □ Associate Professor
- ■ Professor
STRATEGIC FACULTY HIRING INITIATIVE

Sustainability
- Seven Hires
- Three Endowed Robbins Chairs

Computational Design & Innovation
- Seven Hires
- One to Start Next Fall
- Jackson Endowed Professorship – Re-advertise
- House Endowed Professorship – Candidate under Consideration
2009-10 SFHI:

Energy – next generation energy systems
   Bruce Mork, Jeff Naber, co-chairs
   (Bill Predebon: Henes chair search)
Health – basic science, technologies, medical informatics
   Greg Odegard, chair
Transportation (2011)
   Larry Sutter, chair
2007-08 SFHI Sustainability (7 new faculty)

> Graduate Students (As of Spring, 2009)
> Advised: 3 PhD Students
> Committee Member: 5 PhD, 6 MS

> Courses Taught (2008-09)
> 3 Graduate, 5 Undergraduate

> Proposals Submitted (as of Sept, 2009)
> 50 [32 as Principal Investigators, 18 as co-PI]

> Proposals Funded (as of Sept 2009)
> $588,000 [total; 3 as PI, 2 as co-investigator]

> Publications [as of Spring 09]:
> 8 Published in 2009; 7 accepted for publication
RESEARCH
FY08 NSF Research Rankings

• 163rd out of 679 Nationally

• 168th in Federal research based on $58.7M in science and engineering research expenditures.
FY09 Sponsored Program Award Update
FY2009 Update
Sponsored Program Awards

• Awards for FY09 totaled $53.1 million, an increase of 29% over FY08.
First Quarter FY2009 Update
Sponsored Program Awards

![Line Graph showing sponsored program awards from 2004 to 2011. The x-axis represents the years 2004 to 2011, and the y-axis represents the award amounts from 8,000,000 to 15,000,000. The graph shows a general trend of increasing awards from 2004 to 2006, a sharp decrease in 2008, followed by a significant increase in 2009 to over 15,000,000 by 2010.](image-url)
CAPITAL PROJECTS
Residential Apartments
Rozsa Art Gallery

Lakeshore Center
CAPITAL CAMPAIGN
MICHIGAN TECHNOLOGICAL UNIVERSITY  
Generations of Discovery  
Campaign Progress Summary  
as of September 30, 2009

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni &amp; Friends</td>
<td>$71,542,443</td>
</tr>
<tr>
<td>Corporations</td>
<td>27,064,021</td>
</tr>
<tr>
<td>Private Foundations</td>
<td>2,028,032</td>
</tr>
<tr>
<td>Gifts-in-Kind</td>
<td>4,270,159</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$104,904,656</strong></td>
</tr>
</tbody>
</table>
The Power of “One”

- EcoCAR
- Peace Corps Masters International Program
- Outdoor Adventure Program
- Crew
- Reading Program
The Power of “One”

- EcoCAR
- Peace Corps Masters International Program
- Outdoor Adventure Program
- Crew
- Reading Program
- Women’s Soccer
Compensation Changes

• Salary

• Retirement – Compensation Shift (Defined Contribution Participants)

• Health Care
Compensation Strategy Task Force
Final Report
June 1, 2008

• Increase Promotional Adjustment for Faculty

• Fringe Rate is High and Salaries are Low
  – Median 34-36% Michigan Tech 45% (FY08)
Last Year

Benefits Liaison Group Recommended:

- Change in Insurer

- Change in Health Plan
  - PPO
  - HSA
  - Flexibility

- 1.45% Salary Adjustment
This Year

Benefits Liaison Group Charge:

- Offer More Flexibility on Retirement Savings
  - Current – 10.55% University Contribution
    2 + 2 Matching Program

- Reduce Fringe Benefit Rate
New Flexible Retirement Plans
(Defined Contribution)

❖ 5-5-5
   (5% University Contribution; 5-5 Match Program; +2% Salary Adjustment on January 1)

OR

❖ 0-7.5-7.5 Matching Program
   (+4.5% Salary Adjustment on January 1)

IRREVOCABLE DECISION
Major Health Care Plan Updates

• HSA —
  ➢ Increase Out-of-Pocket Maximum by Single-$500; Family-$1,000

• PPO —
  ➢ Premium Increase from 10% to 15%
# Open Enrollment Forum Schedule

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>PLACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, October 14</td>
<td>5:30pm</td>
<td>Special Meeting of the University Senate</td>
</tr>
<tr>
<td>Monday, October 19</td>
<td>2:00 - 4:00pm</td>
<td>MUB - Ballroom A2</td>
</tr>
<tr>
<td>Thursday, October 22</td>
<td>9:00am – 11:00am</td>
<td>MUB – Alumni Lounge</td>
</tr>
<tr>
<td>Tuesday, October 27</td>
<td>10:00 - Noon</td>
<td>MUB - Ballroom A-1</td>
</tr>
<tr>
<td>Wednesday, October 28</td>
<td>2:00 – 4:00 pm</td>
<td>MUB – Ballroom A2</td>
</tr>
<tr>
<td>Monday, November 2</td>
<td>2:00 – 4:00pm</td>
<td>MUB- Alumni Lounge</td>
</tr>
<tr>
<td>Thursday, November 5</td>
<td>10:00am - Noon</td>
<td>MUB – Ballroom A1</td>
</tr>
<tr>
<td>Wednesday, November 11th</td>
<td>TBD</td>
<td>MTRI - Ann Arbor MI</td>
</tr>
<tr>
<td>Thursday, November 12th</td>
<td>5:30pm - 7pm</td>
<td>MUB – Ballroom A2</td>
</tr>
<tr>
<td>Friday, November 13th</td>
<td>10am - Noon</td>
<td>MUB - Ballroom A2</td>
</tr>
<tr>
<td>Monday, November 16</td>
<td>10:00 am - Noon</td>
<td>MUB Ballroom B</td>
</tr>
<tr>
<td>Thursday, November 19</td>
<td>2:00 – 4:00 pm</td>
<td>MUB – Ballroom A2</td>
</tr>
<tr>
<td>Tuesday, November 24th</td>
<td>10:00am – Noon</td>
<td>MUB – Ballroom A2</td>
</tr>
</tbody>
</table>