

# Sponsored Program Summary

## 1st Quarter FY18

### December, 2017

David Reed

Vice President for Research



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# Outline

- Sponsored Awards, 1<sup>st</sup> Quarter FY18
- Research Expenditures, 1<sup>st</sup> Quarter FY18
- Intellectual Property/Commercialization, 1<sup>st</sup> Quarter FY18
- Corporate Sponsorship, 1<sup>st</sup> Quarter FY18
- “The Next Level”



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# Sponsored Awards and Research Expenditures, FY13-17

FY	Awards	Expenditures
2013	48,003,542	70,689,000
2014	48,162,964	68,525,000
2015	58,680,019	69,607,000
2016	51,661,818	72,536,000
2017	59,714,383	71,629,000



# Sponsored Awards, 1<sup>st</sup> Quarter FY18

Sponsor	Proposals Submitted		Awards Received		Awards Received (\$)		Variance \$	Variance %
	FY '18 as of 09/30	FY '17 as of 09/30	FY '18 as of 09/30	FY '17 as of 09/30	FY '18 as of 09/30	FY '17 as of 09/30		
NASA	4	13	9	14	1,865,823	1,083,828	781,995	72.2%
National Science Foundation	42	33	22	23	3,708,586	4,341,502	-632,916	-14.6%
US Department of Agriculture	9	35	15	22	905,923	1,996,085	-1,090,162	-54.6%
US Department of Defense	20	25	24	27	2,953,136	2,961,704	-8,568	-0.3%
US Department of Education	1	-	-	1	-	59,720	-59,720	-100.0%
US Department of Energy	5	7	4	6	200,761	1,314,156	-1,113,395	-84.7%
US Department of HHS	2	3	4	5	883,318	1,168,077	-284,759	-24.4%
US Department of Transportation	5	3	2	7	62,411	929,629	-867,218	-93.3%
Other Federal Agencies*	14	12	10	10	1,431,445	961,216	470,229	48.9%
<b>Federal Agency Total</b>	<b>102</b>	<b>131</b>	<b>90</b>	<b>115</b>	<b>12,011,403</b>	<b>14,815,917</b>	<b>-2,804,514</b>	<b>-18.9%</b>
State of Michigan	11	12	6	6	540,581	441,099	99,482	22.8%
Industrial	72	66	34	41	553,553	488,219	65,334	13.4%
Foreign	8	4	4	5	375,290	585,296	-210,006	-35.9%
All Other Sponsors	24	21	20	16	481,582	316,761	164,821	52.0%
<b>Subtotal</b>	<b>217</b>	<b>234</b>	<b>154</b>	<b>183</b>	<b>13,962,409</b>	<b>16,647,292</b>	<b>-2,684,883</b>	<b>-16.1%</b>
Gifts**	N/A	N/A	72	76	889,828	758,417	131,411	17.3%
Crowd Funding	N/A	N/A	1	3	93	2,210	-2,117	-95.8%
<b>Grand Total</b>	<b>217</b>	<b>234</b>	<b>227</b>	<b>262</b>	<b>14,852,330</b>	<b>17,407,919</b>	<b>-\$2,555,589</b>	<b>-14.7%</b>

\* National Security Agency, Office of the Director of National Intelligence, US Dept of Commerce, US Dept of Housing & Urban Development, US Dept of Labor, US Dept of the Interior, US Environmental Protection Agency, US Small Business Administration

\*\*Gifts represent non-contractual funding from corporations, foundations, associations and societies in support of academic programs, scholarships/fellowships, student design & enterprise, research, youth programs and special programs.



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# Research Expenditures, 1<sup>st</sup> Quarter FY18

**Michigan Technological University**  
**Total Research Expenditures by College/School/Division**  
**Fiscal Year 2018 & 2017**  
**As of September 30, 2017 and September 30, 2016**

<b>College/School/Division</b>	<b>FY2018</b>	<b>FY2017</b>	<b>Variance</b>	<b>%</b>
Administration*	1,459,336	1,269,691	189,645	14.9%
College of Engineering	6,008,224	5,103,130	905,094	17.7%
College of Science & Arts	3,285,365	3,133,304	152,061	4.9%
Great Lakes Research Center**	52,536	24,541	27,995	114.1%
Pavlis Honors College	73,743	46,513	27,230	58.5%
Keweenaw Research Center (KRC)	1,907,754	1,362,642	545,112	40.0%
Michigan Tech Research Institute (MTRI)	1,909,480	1,882,565	26,915	1.4%
School of Business & Economics	220,507	245,940	(25,433)	-10.3%
School of Forest Resources & Environmental Science	1,163,564	1,259,145	(95,581)	-7.6%
School of Technology	151,079	133,658	17,421	13.0%
<b>Total</b>	<b>16,231,588</b>	<b>14,461,129</b>	<b>1,770,459</b>	<b>12.2%</b>

\*Includes the Vice Presidents, Provost, and others who report to a VP, Provost or the President. Except for the research institutes that report to the VPR.

\*\*Includes GLRC department (non-academic researchers) expenditures only. All other GLRC center expenditures are shown in the researchers' respective colleges.



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# Intellectual Property, 1<sup>st</sup> Quarter FY18

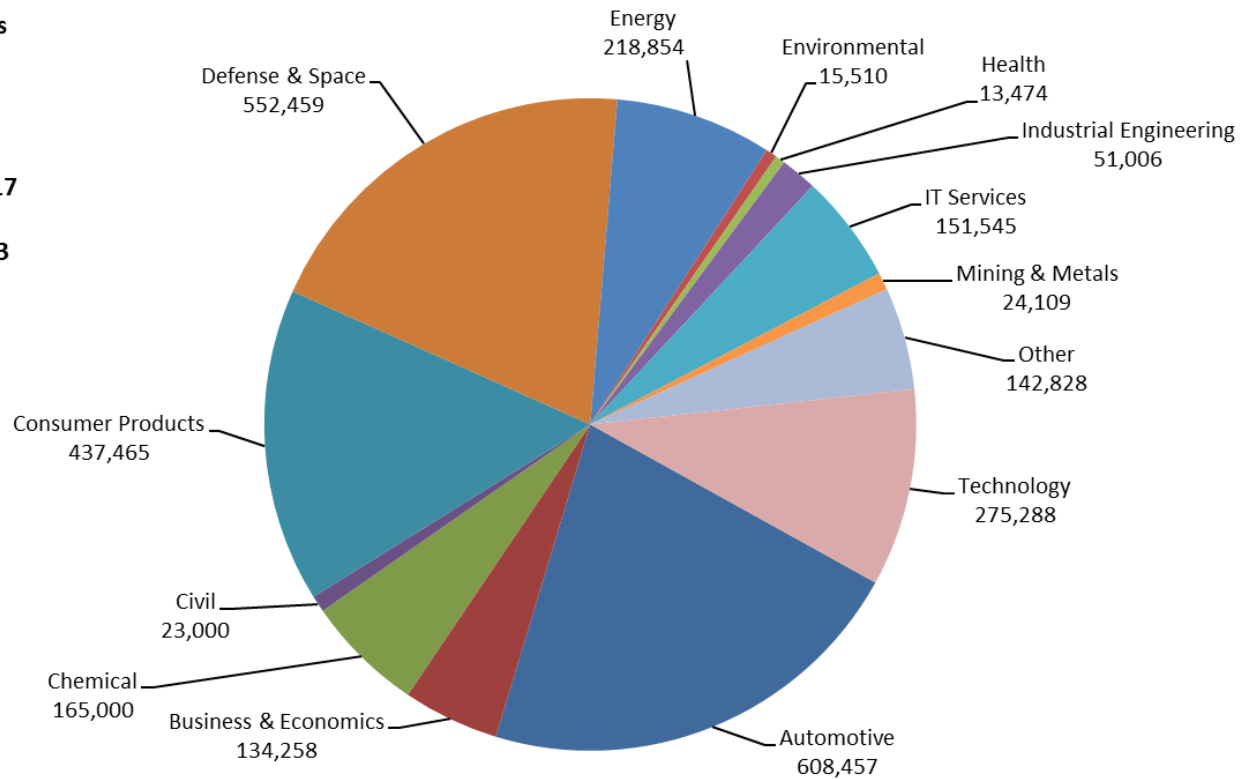
	2018	2017	+/- %
Disclosures Received	12	5	140 %
Nondisclosure Agreements	27	27	0 %
Patents Filed or Issued	4	2	100 %
License Agreements	0	5	- 100 %
Gross Royalties	168,258	143,342	17 %



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# Corporate Sponsorship, 1<sup>st</sup> Quarter FY18

Sponsored Awards  
-Industry-  
COMBINED  
Fiscal Year 2018  
1st Quarter  
Ended Sept 30, 2017  
**TOTAL: \$2,813,253**



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# “The Next Level”

- What does it mean for Michigan Tech to reach “the next level” as a research institution?
  - We need to be the lead (prime) on an increased number of large, multi-institutional funding programs.
  - These programs should be from a variety of sponsors, indicating a broad base of recognized research capacity.
  - Within any given funding program, awards should be to a range of nationally recognized research institutions, including Michigan Tech



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# “The Next Level”

- In addition to the above, our faculty and staff should be recognized and sought out as thought leaders and experts by other national and international experts, policymakers, and industries.



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# “The Next Level”

- On July 19, 2017, Dr. Jon Vucetich, SFRES, testified before the Senate Committee on Environment and Public Works during a legislative hearing on S. 1514, the Hunting Heritage and Environmental Legacy Preservation (HELP) for Wildlife Act.



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# “The Next Level”

- On August 3, 2017, Dr. Mary Ellen Miller, MTRI, testified before the Senate Committee on Energy and Natural Resources at a full committee hearing to examine federal and nonfederal collaboration, including through the use of technology, to reduce wildland fire risk to communities and enhance firefighting safety and effectiveness.



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# “The Next level”

- On November 16, 2017, Dr. Guy Meadows, GLRC, testified before the Senate Committee on Commerce, Science, and Transportation Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard on hearing on Coast Guard Readiness: How Far Can We Stretch Our Nation’s Only Multi-Mission, Military Force?



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