

**EASTERN**  
MICHIGAN UNIVERSITY

***Office of Research Development***

**2010**  
Annual Report  
**Research**  
Leads the Way



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# From the Associate Provost & Associate Vice President for Research

This has been a record-setting year for Eastern Michigan University (EMU) as the volume of scholarly and creative efforts by Eastern's faculty and students continues to grow. In last year's 2009 Annual Report, I noted that EMU had established a new record in federal grant awards, for a new benchmark of \$9.87M. This year, we are pleased to report that EMU has again established new all-time highs in external funding: receipt of federal grant awards in FY10 totaled \$12.98M, with overall grant and contract awards surpassing \$16M. I offer my genuine congratulations to everyone, faculty and staff alike, for not only this past year's accomplishments, but their ongoing efforts to build the intellectual environment at the University.

Success in external funding is only one component of an overall academic enterprise designed to maximize opportunities for scholarly and artistic pursuits among our faculty and students. This report summarizes an impressive array of activities in which our faculty and students are engaged, ranging from artistic expression, to the scholarship of teaching and learning, to community engagement and through traditional research. These activities illustrate the deep commitment that our faculty and students share for their disciplines in pursuit of new knowledge, service, and works of art.

As I have previously noted, one vitally important role of any public university is to serve as a resource for local, state, and federal governmental units and to contribute to economic growth and stability. Thus, as you browse through this report, please pay particular attention to the numerous examples in which the efforts of our faculty, staff, and students have provided regional and statewide benefit. We are excited and proud to be part of building a foundation for the future of Michigan.

As always, the University is particularly indebted to all external organizations--private and public--that have supported the efforts of our faculty and students during the past year. These partnerships are vital to the health of Eastern and its overall learning environment.

In closing, we thank you for your interest in this report and in Eastern Michigan University.

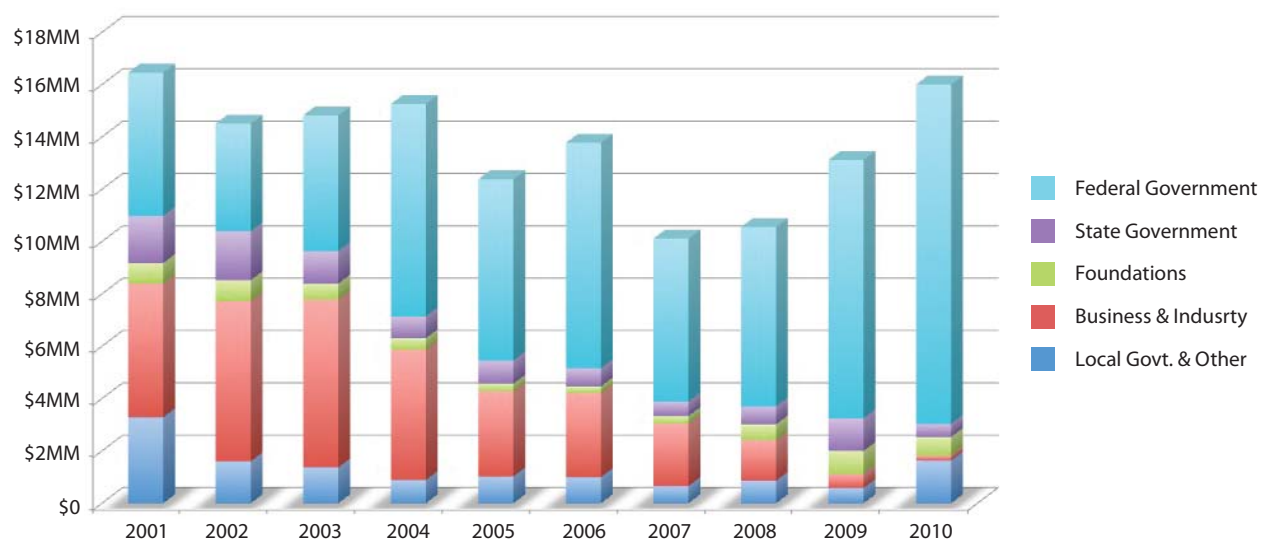
Best wishes,

Robert Neely



# Award Statistics

## History of Awards by Sponsor Type



History of Awards By Sponsor Type

	2001	2002	2003	2004	2005
Federal Government	\$5,474,726	\$4,105,047	\$5,192,072	\$8,119,343	\$6,930,197
State Government	\$1,801,683	\$1,875,261	\$1,236,508	\$832,260	\$886,165
Foundations	\$780,322	\$808,832	\$618,495	\$449,007	\$289,736
Business & Industry	\$5,116,308	\$6,114,590	\$6,409,395	\$4,973,896	\$3,253,878
Local Govt. & Other	\$3,282,112	\$1,600,449	\$1,365,989	\$884,351	\$1,020,720
<b>Total</b>	<b>\$16,455,151</b>	<b>\$14,504,179</b>	<b>\$14,822,459</b>	<b>\$15,258,857</b>	<b>\$12,380,696</b>

History of Awards By Sponsor Type Continued

	2006	2007	2008	2009	2010
Federal Government	\$8,621,846	\$6,240,433	\$6,855,053	\$9,872,119	\$12,975,163
State Government	\$686,705	\$545,386	\$682,184	\$1,248,213	\$494,689
Foundations	\$258,244	\$292,550	\$603,510	\$878,551	\$717,406
Business & Industry	\$3,210,424	\$2,381,796	\$1,552,091	\$541,259	\$182,413
Local Govt. & Other	\$995,898	\$654,540	\$857,424	\$557,437	\$1,631,391
<b>Total</b>	<b>\$13,773,117</b>	<b>\$10,114,705</b>	<b>\$10,550,262</b>	<b>\$13,117,579</b>	<b>\$16,001,062</b>

# Success Rate by Sponsor Type

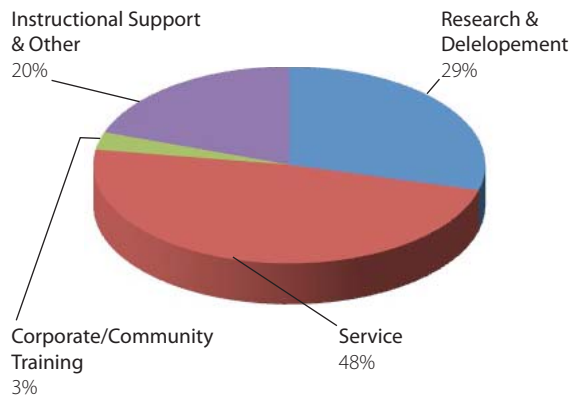
Fiscal Year 2010

	Federal Government	State Government	Foundations	Business & Industry	Local Govt. & Other	Total
Submissions	133	12	18	11	23	197
Awards	68	9	7	7	20	111
<b>Success Rate</b>	<b>51%</b>	<b>75%</b>	<b>39%</b>	<b>64%</b>	<b>87%</b>	<b>56%</b>
Value	\$12,975,163	\$494,689	\$717,406	\$182,413	\$1,631,391	\$16,001,062

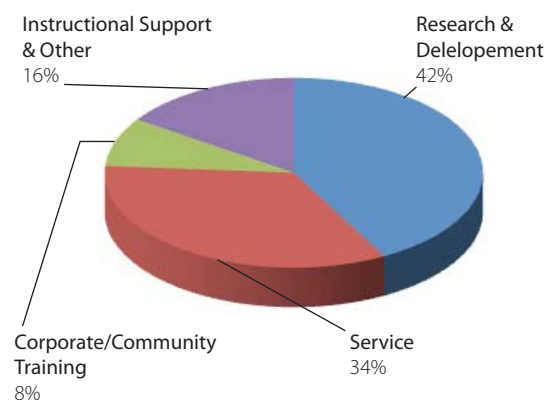
Fiscal Year 2009

	Federal Government	State Government	Foundations	Business & Industry	Local Govt. & Other	Total
Submissions	115	28	21	16	39	219
Awards	51	19	11	17	25	123
<b>Success Rate</b>	<b>44%</b>	<b>68%</b>	<b>52%</b>	<b>106%</b>	<b>64%</b>	<b>56%</b>
Value	\$9,872,119	\$1,248,213	\$878,551	\$541,259	\$577,437	\$13,117,579

## Awards by Activity Type: FY2010



## Awards by Activity Type: FY2009

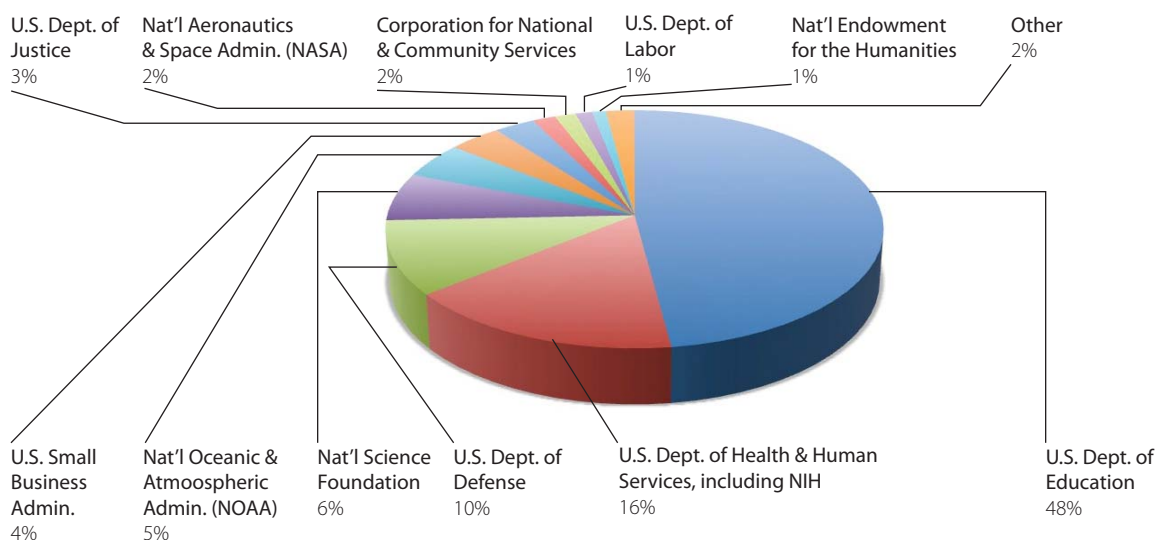


## Awards by Activity Type

	FY 2010	FY 2009
Research & Development	\$4,663,747	\$5,520,605
Service	\$7,732,350	\$4,465,264
Corporate/Community Training	\$461,838	\$1,094,641
Instructional Support & Other	\$3,143,127	\$2,037,069
<b>Total</b>	<b>\$16,001,062</b>	<b>\$13,117,579</b>

# Award Statistics

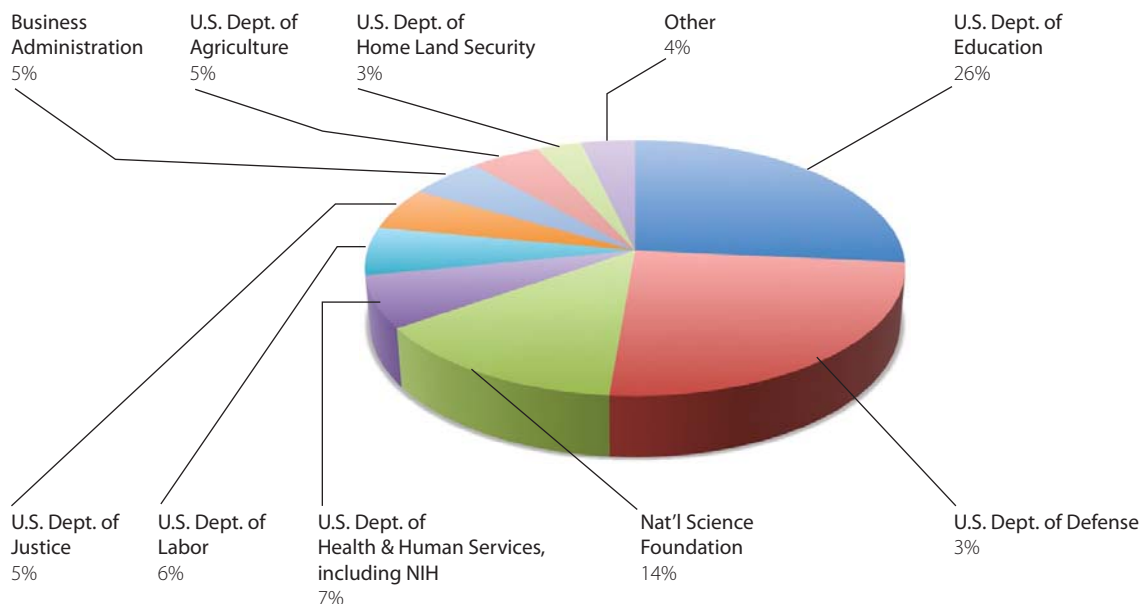
## Federal Sponsorship by Agency: FY 2010



Federal Sponsorship by Agency- FY 2010	
U.S. Department of Education	\$6,214,275
U.S. Dept. of Health & Human Services, Including NIH	\$2,119,485
U.S. Department of Defense	\$1,311,241
National Science Foundation	\$840,545
National Oceanic & Atmospheric Administration (NOAA)	\$633,350
U.S. Small Business Administration	\$500,000
U.S. Department of Justice	\$382,000
Corporation for National & Community Service	\$220,779
National Aeronautics & Space Administration (NASA)	\$195,712
National Endowment for the Humanities	\$160,793
U.S. Department of Labor	\$127,417
*Other	\$269,566
<b>Total</b>	<b>\$12,975,163</b>

*Other Award Agencies FY 2010	
U.S. Forest Service	\$79,400
Environmental Protection Agency	\$67,680
U.S. Department of State	\$52,489
U.S. Census Bureau	\$40,000
U.S. Department of Homeland Security	\$29,997
<b>Total</b>	<b>\$269,566</b>

## Federal Sponsorship by Agency: FY 2009



Federal Sponsorship by Agency- FY 2009	
U.S. Department of Education	\$2,616,167
U.S. Department of Defense	\$2,453,865
National Science Foundation	\$1,378,735
U.S. Dept. of Health & Human Services, Including NIH	\$651,721
U.S. Department of Labor	\$600,216
U.S. Department of Justice	\$536,609
Small Business Administration	\$500,000
U.S. Department of Agriculture	\$475,130
U.S. Department of Homeland Security	\$300,000
Other*	\$365,676
<b>Total</b>	<b>\$9,878,119</b>

*Other Award Agencies FY 2009	
Corporation for National & Community Service	\$181,200
Corporation for Public Broadcasting	\$162,781
U.S. Fish & Wildlife Service	\$9,995
National Aeronautics & Space Administration	\$9,200
National Endowments for the Humanities	\$2,500
<b>Total</b>	<b>\$365,676</b>

# Technology Transfer Summary for FY 2010

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**Technology Transfer**, also known as Technology Commercialization, is the transfer of University-developed innovations into the marketplace for the benefit of the community, general public, and University. Innovation and its dissemination is the first and foremost goal. Revenue generation, through licensing royalties and option agreements, perpetuates the research and technology transfer process. The following is a summary of technology transfer activity at Eastern Michigan University during FY 2010.

Invention Disclosures	6
Patent Applications Filed <i>(provisional and utility combined)</i>	8
International Patent Applications	1

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## FY 2010 Invention Disclosures

### **EMU0905.00 Creating Antimicrobial Fabric using Sol-gel/N-Halamine Chemistry**

Subhas Ghosh, Textiles Research and Training Institute

Vijay Mannari, Coatings Research Institute

### **EMU0906.00 Core-shell particle interconversion with di-stimuli-responsive diblock copolymers**

John Texter, Coatings Research Institute

### **EMU0907.00 System or method for shaking a container**

Dan Fields, Center for Product Research and Development

In collaboration with industrial sponsor

### **EMU1001.00 Aqueous Polyurethane/polyurethane-urea dispersions (PUD) with high bio-based content**

Vijay Mannari, Coatings Research Institute

### **EMU1002.00 Radiation curable Aqueous Polyurethane/polyurethane-urea dispersions (PUD) with highbio-based content**

Vijay Mannari, Coatings Research Institute

### **EMU1003.00 Novel inorganic or organic-inorganic-hybrid coatings derived by photo-cure process**

Vijay Mannari, Coatings Research Institute

## FY 2010 U.S. Provisional Patent Applications Filed

### **Superprimers for stimuli responsive latexes**

John Texter, Coatings Research Institute

Feng Yan, Suzhou University



### **Carbon nanotube latex dispersions**

John Texter, Coatings Research Institute  
Markus Antonietti, Max Planck Institute of Colloids and Interfaces

### **Creating antimicrobial fabrics using sol-gel/N-Halamine chemistry**

Subhas Ghosh, Textiles Research and Training Institute  
Vijay Mannari, Coatings Research Institute

### **Core-shell particle interconversion with di-stimuli-responsive diblock copolymers**

John Texter, Coatings Research Institute

### **Aqueous polyurethane polyurethane-urea dispersions (PUD) with high bio-based content**

Vijay Mannai, Coatings Research Institute

### **Novel inorganic or organic-inorganic-hybrid coatings derived by photo-cure process**

Vijay Mannari, Coatings Research Institute

## FY 2010 U.S. Utility Patent Applications Filed

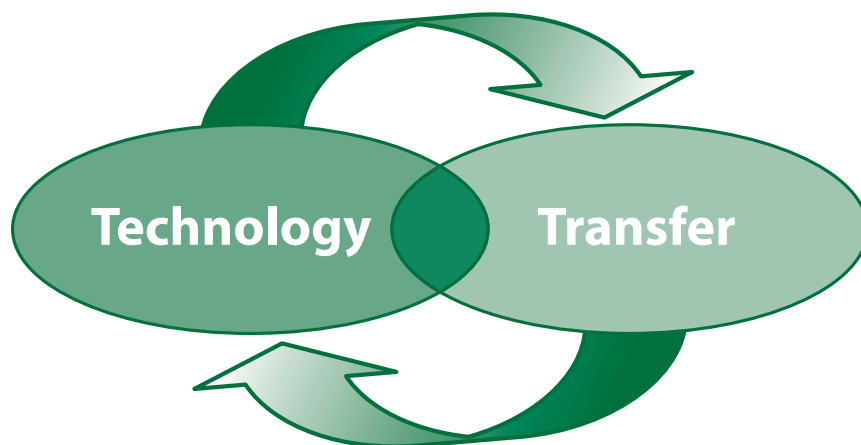
### **Conventional latex/nanolatex blends**

Ravi Joshi, Technology Ph.D. student  
Frank Jones, Ph.D. Committee Member  
Ted Provder, Ph.D. Committee Member

## FY 2010 International Patent Applications Filed

### **Conventional latex/nanolatex blends**

Ravi Joshi, Technology Ph.D. Student  
Frank Jones, Ph.D. Committee Member  
Ted Provder, Ph.D. Committee Member



***"..putting innovation to work"***

# Proposal & Award Summary by Unit

	Fiscal Year 2010				Fiscal Year 2009			
	Proposals		Awards		Proposals		Awards	
	#	Value	#	Value	#	Value	#	Value
African-American Studies	0	\$0	0	\$0	0	\$0	0	\$0
Art	2	\$77,317	0	\$0	1	\$15,000	1	\$15,000
Biology	20	\$19,732,501	7	\$1,219,551	14	\$18,922,287	6	\$230,491
Chemistry	8	\$4,269,859	2	\$256,864	8	\$2,930,123	2	\$791,508
Communication, Media, & Theatre Arts	6	\$163,031	5	\$207,293	6	\$733,259	4	\$137,350
Computer Science	3	\$111,849	1	\$78,482	5	\$1,595,991	2	\$127,244
Economics	0	\$0	0	\$0	0	\$0	0	\$0
English Lang. & Literature	2	\$49,407	3	\$80,768	9	\$321,322	6	\$136,638
Geography & Geology	10	\$18,538,541	4	\$745,286	10	\$4,928,928	2	\$26,600
History & Philosophy	9	\$4,077,347	4	\$599,992	5	\$1,115,492	3	\$612,842
Institute for Geospatial Research & Education	20	\$22,546,844	14	\$1,035,454	18	\$2,031,079	10	\$89,588
Institute for Language Information & Technology	3	\$457,604	3	\$523,282	8	\$1,241,369	3	\$463,433
Mathematics	2	\$795,954	0	\$0	0	\$0	0	\$0
Music & Dance	3	\$38,878	1	\$3,500	0	\$0	0	\$0
Office of the Dean, Arts & Sciences	1	\$486,000	0	\$0	0	\$0	0	\$0
Physics & Astronomy	10	\$776,986	7	\$143,689	9	\$391,747	5	\$95,374
Political Science	2	\$219,805	1	\$1,000,000	2	\$671,285	1	\$5,424
Psychology	10	\$2,906,129	6	\$265,688	11	\$2,097,212	4	\$152,837
Sociology, Anthropology & Criminology	8	\$698,618	4	\$627,000	9	\$3,690,565	4	\$284,389
Gerontology Program	1	\$63,103	1	\$63,103	2	\$126,206	1	\$63,103
Women's and Gender Studies Program	1	\$15,000	0	\$0	0	\$0	0	\$0
World Languages	8	\$2,112,274	6	\$354,883	8	\$2,459,500	5	\$311,101
<b>College of Arts &amp; Sciences</b>	<b>113</b>	<b>\$45,977,018</b>	<b>66</b>	<b>\$5,858,735</b>	<b>120</b>	<b>\$39,187,723</b>	<b>58</b>	<b>\$3,537,498</b>
Accounting	0	\$0	0	\$0	0	\$0	0	\$0
Finance/Computer Information Systems	1	\$700,000	0	\$0	0	\$0	0	\$0
Management	1	\$700,000	0	\$0	0	\$0	0	\$0
Marketing	1	\$700,000	0	\$0	0	\$0	0	\$0
Office of the Dean, Business	1	\$500,000	1	\$500,000	2	\$510,000	4	\$570,200
<b>College of Business</b>	<b>2</b>	<b>\$1,200,000</b>	<b>1</b>	<b>\$500,000</b>	<b>2</b>	<b>\$510,000</b>	<b>4</b>	<b>\$570,200</b>
Leadership & Counseling	2	\$624,752	2	\$624,752	1	\$50,000	0	\$0
Office of the Dean, Education	1	\$572,263	1	\$285,000	1	\$285,000	0	\$0
Special Education	1	\$37,722	2	\$309,500	4	\$1,446,903	1	\$536,609
Teacher Education	14	\$6,837,417	6	\$1,527,347	7	\$1,753,750	5	\$1,355,309
<b>College of Education</b>	<b>16</b>	<b>\$6,927,628</b>	<b>10</b>	<b>\$2,174,336</b>	<b>13</b>	<b>\$3,535,653</b>	<b>6</b>	<b>\$1,891,918</b>
School of Health Sciences	6	\$1,523,692	4	\$1,635,413	7	\$1,502,923	4	\$749,102
School of Health Promotion & Human Performance	0	\$0	1	\$70,682	3	\$644,058	1	\$6,600
School of Nursing	5	\$217,371	3	\$122,638	7	\$1,514,942	6	\$944,614
Office of the Dean, HHS	1	\$9,481,373	1	\$118,661	1	\$511,344	0	\$0
School of Social Work	12	\$2,996,306	4	\$1,256,201	8	\$7,588,595	3	\$152,631
<b>College of Health &amp; Human Services</b>	<b>25</b>	<b>\$14,791,038</b>	<b>12</b>	<b>\$3,084,934</b>	<b>26</b>	<b>\$11,313,621</b>	<b>14</b>	<b>\$1,852,947</b>
School of Engineering Technology	7	\$1,486,133	4	\$242,385	9	\$6,750,609	7	\$2,073,228
School of Technology Studies	21	\$4,937,162	4	\$946,005	28	\$9,254,715	13	\$2,317,341
Office of the Dean, Technology	0	\$0	0	\$0	0	\$0	0	\$0
Coatings Research Institute	3	\$1,234,058	1	\$31,110	4	\$266,199	4	\$1,729,249
Center for Product Research and Development	0	\$0	0	\$0	2	\$1,754	2	\$1,754

Center for Regional & National Security	6	\$551,507	1	\$86,828	8	\$795,916	4	\$493,887
Textiles Res. & Training Institute	2	\$368,833	1	\$740,000	1	\$740,000	1	\$727,000
<b>College of Technology</b>	<b>28</b>	<b>\$6,423,295</b>	<b>8</b>	<b>\$1,188,390</b>	<b>39</b>	<b>\$16,145,394</b>	<b>21</b>	<b>\$4,469,789</b>
Center for Organizational Risk Reduction	1	\$40,208	1	\$40,000	1	\$42,000	1	\$35,000
Center for Quality	0	\$0	0	\$0	0	\$0	0	\$0
Continuing Education	0	\$0	0	\$0	0	\$0	0	\$0
Workforce Education	0	\$0	0	\$0	0	\$0	0	\$0
Inst. for the Study of Children, Families & Comm.	27	\$8,824,827	15	\$4,035,339	20	\$3,955,277	15	\$2,253,780
Upward Bound	1	\$398,292	2	\$404,243	3	\$409,196	3	\$407,244
<b>Extended Programs</b>	<b>29</b>	<b>\$9,263,327</b>	<b>18</b>	<b>\$4,479,582</b>	<b>24</b>	<b>\$4,406,473</b>	<b>19</b>	<b>\$2,696,024</b>
American Humanics Program	0	\$0	0	\$0	1	\$2,000	1	\$2,000
Bruce T. Halle Library	1	\$276,620	0	\$0	2	\$99,149	1	\$2,500
Charter Schools	0	\$0	0	\$0	0	\$0	0	\$0
Graduate School	0	\$0	0	\$0	0	\$0	0	\$0
Honors College	1	\$220,000	1	\$220,000	1	\$220,000	2	\$969,846
Office of Academic Service Learning	6	\$821,156	5	\$207,293	9	\$1,241,845	5	\$130,051
Office of Research Development	0	\$0	0	\$0	6	\$116,843	5	\$55,993
Retention Services	1	\$114,753	1	\$114,753	1	\$326,216	1	\$325,216
The Holman Learning Center	1	\$150,000	2	\$231,880	3	\$231,880	3	\$231,880
Undergraduate Studies & Curriculum	0	\$0	0	\$0	0	\$0	0	\$0
<b>Office of the Provost</b>	<b>10</b>	<b>\$1,582,529</b>	<b>9</b>	<b>\$773,926</b>	<b>23</b>	<b>\$2,237,933</b>	<b>18</b>	<b>\$1,717,486</b>
<b>Business &amp; Finance</b>	<b>1</b>	<b>\$2,246,500</b>	<b>1</b>	<b>\$2,246,500</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>
Physical Plant	0	\$0	1	\$82,000	1	\$1,342,000	0	\$0
Public Safety	1	\$184,300	3	\$602,514	3	\$2,094,317	0	\$0
Environmental Health & Safety	0	\$0	1	\$490,517	0	\$0	0	\$0
<b>Office of the President</b>	<b>1</b>	<b>\$184,300</b>	<b>1</b>	<b>\$1,175,031</b>	<b>3</b>	<b>\$2,094,317</b>	<b>0</b>	<b>\$0</b>
Career Services	0	\$0	0	\$0	0	\$0	0	\$0
Campus Life	0	\$0	0	\$0	0	\$0	0	\$0
Dean of Students	0	\$0	0	\$0	0	\$0	0	\$0
Diversity and Community Involvement	2	\$162,675	3	\$165,640	6	\$108,626	5	\$105,661
VISION	0	\$0	1	\$2,965	0	\$0	0	\$0
Office of International Students	0	\$0	0	\$0	1	\$2,000	0	\$0
Financial Aid	0	\$0	0	\$0	1	\$260,000	0	\$0
University Health Services	2	\$10,434,986	1	\$490,517	0	\$0	0	\$0
Children's Institute	1	\$170,000	1	\$170,000	2	\$340,000	1	\$170,000
Counseling & Psychological Services	0	\$0	0	\$0	0	\$0	0	\$0
<b>Student Affairs &amp; Enrollment Management</b>	<b>5</b>	<b>\$10,767,661</b>	<b>6</b>	<b>\$829,122</b>	<b>8</b>	<b>\$370,626</b>	<b>5</b>	<b>\$105,661</b>
University Marketing	1	\$75,000	0	\$0	0	\$0	0	\$0
WEMU Radio	2	\$185,774	2	\$185,774	1	\$162,781	1	\$162,781
University Marketing and Communications	3	\$260,774	2	\$185,774	1	\$162,781	1	\$162,781

	Fiscal Year 2010		Fiscal Year 2009	
Total Submitted	197	\$75,362,569	219	\$68,257,847
Total Awarded	111	\$16,001,062	123	\$13,117,579

This list reflects dual credit for collaborative projects between units. Therefore, subtotals will not match the grand totals above, which are the actual net submissions and awards for FY2010 and FY2009.

# Externally Sponsored Awards

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## Office of the Provost

### **ACADEMIC SERVICE-LEARNING**

*Jessica Alexander, Communication, Media & Theatre Arts*

*Building Communities, Building Lives*

*Michigan Campus Compact*  
**\$38,135**

*The B.Side: The Business Side of Youth*

*Coleman Foundation*  
**\$12,000**

*RNR Foundation*  
**\$29,741**

*The B.Side Workforce Investment Act*  
*Washtenaw County Children's Services Department*  
**\$55,155**

*Jessica Alexander, Communication, Media and Theatre Arts, and Jack Bidlack and Angelina Broderick*

*The B.Side Youth Summer Program—American Recovery and Reinvestment Act*  
*Washtenaw County Workforce Development Board*  
**\$72,262**

### **THE HOLMAN LEARNING CENTER**

*Mark Jackson*

*Michigan Department of Career Development KCP State GEAR-UP Program*

*Michigan Department of Labor and Economic Growth—Career*  
**\$81,880**

*Mary Zdrojkowski and Mark Jackson*

*Getting on the Right Track--Trackers Program (Michigan 4-S Program)*

*Michigan Department of Labor and Economic Growth*  
**\$150,000**

### **HONORS COLLEGE**

*James Knapp, and Betty Brown-Chappell, School of Social Work*

*McNair Postbaccalaureate Achievement Program*  
*U.S. Department of Education*  
**\$220,000**

### **RETENTION SERVICES**

*Lynette Findley*

*Eastern Michigan University Single Parent Residential Support Program*  
*Endicott College*  
**\$114,753**

## College of Arts & Sciences

### **BIOLOGY**

*Anne Casper*

*Characterization of Genetic Instability at Chromosomal Fragile Sites (ARRA)*

*National Institutes of Health*  
**\$431,807**

*Stephen Francoeur, Kristin Judd, and William Welsh, Geography and Geology, and Yichun Xie, Institute for Geospatial Research and Education*

*Coupled Remote Sensing and Biological Monitoring of Invasive Plant Species and Their Impacts on the Detroit River International Wildlife Refuge*  
*National Oceanic and Atmospheric Administration*  
**\$633,350**

### **Allen Kurta**

*Acoustic Monitoring of Bat Activity at a Proposed Wind Farm in Huron County, Michigan*

**Applied Ecological Services, Inc.**  
**\$5,520**

*Bats and Mines: Exploration and Monitoring for White-Nose Syndrome*

**Michigan Department of Natural Resources**  
**\$24,981**

*Bat Activity and Diet in Conventional and Organic Apple Orchards*

**Country Mill Farms, Charlotte, MI**  
**\$8,092**

*Acoustic Monitoring of Bat Activity at Proposed Wind Farm near Carsonville, Sanilac County, Michigan*

**Carsonville Wind, LLC, Ortonville, MI**  
**\$22,923**

*A Netting and Acoustic Survey for Bats at a Proposed Wind Farm near Breckenridge, Gratiot County, Michigan*

**JFNew, Inc.**  
**\$92,878**

## **CHEMISTRY**

**Ruth Ann Armitage, Gavin Edwards, Cory Emal, and Harriet Lindsay, and John Texter, School of Engineering Technology**

*MRI-r2: Acquisition of a High-Resolution Time-of-Flight Mass Spectrometer for Research and Education, American Recovery and Reinvestment Act (ARRA)*

**National Science Foundation**  
**\$207,275**

### **Cory Emal**

*Novel Targets in Thrombosis and Atherosclerosis*

**University of Michigan**  
**\$49,589**

## **COMMUNICATION, MEDIA, AND THEATRE ARTS**

**Jessica Alexander, Academic Service-Learning**

*The B.Side: The Business Side of Youth*

**Coleman Foundation**  
**\$12,000**

**RNR Foundation**  
**\$29,741**

*Building Communities, Building Lives*

**Michigan Campus Compact**  
**\$38,135**

*The B.Side Workforce Investment Act*  
**Washtenaw County Children's Services Department**  
**\$55,155**

**Jessica Alexander, and Jack Bidlack and Angelina Broderick, Academic Service-Learning**

*The B.Side-Youth Summer Program—American Recovery and Reinvestment Act*

**Washtenaw County Workforce Development Board**  
**\$72,262**

## **COMPUTER SCIENCE**

### **Benjamin Keller**

*Prototyping Strategies for the Elucidation of Genetic Interactions in Complex Disease Etiology*

**University of Michigan**  
**\$78,482**

## **ENGLISH LANGUAGE AND LITERATURE**

### **Edward Garrett**

*Student Support for 3L International Summer School in Language Documentation and Description*

**National Science Foundation**  
**\$14,799**

# Externally Sponsored Awards

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**Melissa Motschall, and  
Peggy Wiencek, Institute for  
the Study of Children,  
Families and Communities**

Eastern Michigan University and  
Lutheran Social Services of  
Michigan Partnership Program:  
Foster Care Youth Write Their Way  
to a Promising Future  
**Michigan Campus Compact  
\$19,969**

**William Tucker and  
William Baker**

Eastern Michigan University  
Writing Project  
**National Writing Project  
\$46,000**

## **GEOGRAPHY AND GEOLOGY**

**Theodore Ligibel**

Graduate Internship for the  
Michigan Department of  
Transportation  
**Michigan Department of  
Transportation  
\$13,200**

**Sandra Rutherford**

Collaborations for Building  
Michigan Geology Talent  
**National Science Foundation  
\$19,336**

**William Welsh,  
Stephen Francoeur and  
Kristin Judd, Biology, and  
Yichun Xie, Institute for  
Geospatial Research and  
Education**

Coupled Remote Sensing and  
Biological Monitoring of Invasive  
Plant Species and Their Impacts  
on the Detroit River International  
Wildlife Refuge  
**National Oceanic and  
Atmospheric Administration  
\$633,350**

**William Welsh, and Yichun  
Xie, Institute for Geospatial  
Research and Education**

Regional Urban Tree Canopy  
Assessment and Implementation  
**Michigan Department of Natu-  
ral Resources  
\$79,400**

## **GERONTOLOGY**

**Shelly Weaverdyck and  
Elizabeth Schuster**

EMU Alzheimer's Education and  
Research Program  
**Michigan Department of  
Community Health  
\$63,103**

## **HISTORY AND PHILOSOPHY**

**Robert Duke, and  
Lauren Allmayer,  
Volunteers Incorporating  
Service into Our  
Neighborhoods (VISION),  
and Lindsay Scalera,  
Diversity and Community  
Involvement**

The Giving Garden  
**Michigan Campus Compact  
\$2,965**

**Russell Olwell, and Wendy  
Burke, Teacher Education,  
Diane Parfitt, Leadership  
and Counseling, and David  
Clifford, Institute for the  
Study of Children, Families  
and Communities**

Connecting Students to the  
Community: EMU GEAR-UP  
Partnership to Promote College  
Readiness and Success  
**U.S. Department of Education  
\$572,263**

**Russell Olwell, and David Clifford, Institute for the Study of Children, Families and Communities**

GEAR UP—Program Income—  
Summer 2009 Food Service Program  
**Michigan Department of Education**  
**\$764**

GEAR UP Evaluation Planning Grant  
**RTI International, Research Triangle Park, NC**  
**\$24,000**

**INSTITUTE FOR GEOSPATIAL RESEARCH AND EDUCATION**

**Yichun Xie**

IGRE Small Contracts Fund: Cost Proposal to Upgrade Corridor Keeper Application  
**Eight Mile Boulevard Association, Detroit, MI**  
**\$3,000**

Grassland Ecosystems and Societal Adaptations under Changing Grazing Intensity and Climate on the Mongolian Plateau  
**University of Michigan**  
**\$171,112**

Application Development, Maintenance, and Support Services to Various Locations  
**Consulting Engineering Associates, Inc.**  
**\$53,000**

Server Hosting and RAPIDS Maintenance/Upgrade  
**Great Lakes Commission**  
**\$67,680**

Revision of CityGreen Software  
**American Forests, Washington, DC**  
**\$4,612**

Maintenance and Support for ArborCare Tree Inventory  
**City of Adrian, Michigan**  
**\$500**

Hosting the Friends of the Rouge Program Management System Application  
**Friends of the Rouge**  
**\$4,800**

Ogemaw County Parcel Mapping System Recovery  
**Ogemaw County**  
**\$3,000**

IGRE Small Contract: Planning, Coordination, and Meeting Tasks for the Cardiac Arrest Website Project  
**University of Michigan**  
**\$15,000**

**Yichun Xie, and Stephen Francoeur and Kristin Judd, Biology, and William Welsh, Geography and Geology**

Coupled Remote Sensing and Biological Monitoring of Invasive Plant Species and Their Impacts on the Detroit River International Wildlife Refuge  
**National Oceanic and Atmospheric Administration**  
**\$633,350**

**Yichun Xie, and William Welsh, Geography and Geology**

Regional Urban Tree Canopy Assessment and Implementation  
**Michigan Department of Natural Resources**  
**\$79,400**

**INSTITUTE FOR LANGUAGE INFORMATION AND TECHNOLOGY**

**Anthony Aristar and Helen Aristar-Dry**

NSF: “Collaborative Research” ELIP: Endangered Language Information and Infrastructure Project  
**National Science Foundation**  
**\$39,566**

**Helen Aristar-Dry and Anthony Aristar**

RELISH: Rendering Endangered Languages Lexicons Inoperable through Standards Harmonization  
**National Endowment for the Humanities**  
**\$160,793**

NSF:ICE CREAM—Integrating Cartographic Elements: Creating Resources Emphasizing Arctic Materials  
**National Science Foundation**  
**\$322,923**

# Externally Sponsored Awards

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## MUSIC AND DANCE

### *Michael McGuire and Roberta Justice*

Ann Arbor VA Medical Center  
Pilot Project

**Florence Tyson Fund**  
\$3,500

## PHYSICS AND ASTRONOMY

### *James Carroll and Ernest Behringer, Patrick Koehn, and Mary Kubitskey*

The Physics Scholars Program at Eastern Michigan University  
**National Science Foundation**  
\$83,700

### *Mary Kubitskey*

The Impact of Online Professional Development  
**University of Michigan**  
\$6,747

The Impact of MSP Professional Development on the Quality of Instruction in Middle School Math and Science Classrooms  
**American Institutes for Research**  
\$28,642

### *James Sheerin*

Michigan Space Grant Fellowships  
**Michigan Space Grant Consortium (NASA)**  
\$17,500

Our Magnetic Universe  
**Michigan Space Grant Consortium (NASA)**  
\$5,000

Michigan Space Grant Fellowships  
**Michigan Space Grant Consortium (NASA)**  
\$5,000

## POLITICAL SCIENCE

### *Claudia Petrescu, and David Clifford, School of Health Sciences and Institute for the Study of Children, Families and Communities*

Capacity Building of Nonprofit Organizations Serving Distressed Communities in Wayne and Eastern Washtenaw Counties, Michigan, American Recovery and Reinvestment Act (ARRA)

**Administration for Children, Youth and Families**  
\$1,000,000

## PSYCHOLOGY

### *Jin Bo*

Skill Acquisition in Older Adults—American Recovery and Reinvestment Act (ARRA)  
**University of Michigan**  
\$32,174

### *Natalie Dove*

Implicit Attitudes and HIV Risk Behaviors in Virtual Environment  
**University of Connecticut**  
\$34,270

### *Vannie Hodges, and David Clifford, Institute for the Study of Children, Families and Communities*

Michigan Level of Functioning Project  
**Michigan Department of Community Health**  
\$98,565

### *Steven Huprich*

Negative Affect, Emotional Dysregulation, Impulsivity, and Object Relations: Evaluating the Differential Contributions of Predictors of Borderline Personality Disorder  
**International Psychoanalytic Association**  
\$4,000



### **Alissa Huth-Bocks**

*A Developmental Examination of Maternal Representations and the Mother-Infant Relationship*  
**International Psychoanalytic Association**  
**\$6,000**

### **Heather Janisse**

*Adherence to IDDM in Urban Youth*  
**Wayne State University**  
**\$90,679**

## **SOCIOLOGY, ANTHROPOLOGY AND CRIMINOLOGY**

### **Kristine Ajrouch**

*Observing Census Enumeration of Non-English-Speaking Households in the 2010 U.S. Census*  
**U.S. Census Bureau**  
**\$40,000**

### **Kristine Ajrouch, and David Anderson, Leadership and Counseling**

*Fulbright Visiting Scholars Program for Iraq*  
**Council for International Exchange of Scholars**  
**\$52,489**

### **Mansoor Moaddel**

*A Workshop on Theoretical and Methodological Issues in the Study of Values and Values Change in Islamic Countries*  
**U.S. Air Force**  
**\$84,554**

*Cross-National Analysis of Islamic Fundamentalism*  
**Office of Naval Research**  
**\$449,957**

## **WORLD LANGUAGES**

### **Alexander Popko**

*Training Content Area Teachers to Teach English*  
**U.S. Department of Education**  
**\$279,855**

### **Sayuri Kubota**

*Electric Board/Flash Card Program for Kana and Kanji Instruction*  
**Japanese Business Society of Detroit Foundation**  
**\$1,000**

### **Hitomi Oketani**

*Charter School Planning and Implementation Grant*  
**Michigan Japanese Bilingual Education Foundation**  
**\$46,080**

*Japanese School of Detroit*  
**Japanese School of Detroit**  
**\$12,948**

### **Hitomi Oketani and Rosemary Weston-Gil**

*Charter School Planning and Implementation Grant*  
**Michigan Japanese Bilingual Education Foundation**  
**\$15,000**

## **College of Business**

## **OFFICE OF THE DEAN**

### **Richard King**

*Small Business and Technology Development Center, Region 9 Host, 2010*  
**Grand Valley State University**  
**\$500,000**

## **College of Education**

## **OFFICE OF THE DEAN**

### **Deborah Harmon**

*Minority Teacher Preparation Program: DREAMS*  
**U.S. Department of Education**  
**\$285,000**

# Externally Sponsored Awards

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## LEADERSHIP AND COUNSELING

*David Anderson, and Kristine Ajrouch, Sociology, Anthropology and Criminology*

Fulbright Visiting Scholars Program for Iraq  
**Council for International Exchange of Scholars**  
**\$52,489**

*Diane Parfitt, and Wendy Burke, Teacher Education, Russell Olwell, History and Philosophy, and David Clifford, Institute for the Study of Children, Families and Communities*

Connecting Students to the Community: EMU Gear-Up Partnership to Promote College Readiness and Success  
**U.S. Department of Education**  
**\$572,263**

## TEACHER EDUCATION

*Wendy Burke, and Lynn Malinoff and David Clifford, Institute for the Study of Children, Families and Communities*

21st Century Community Learning Centers, Bright Futures at Middle and High Schools  
**Michigan Department of Education**  
**\$749,694**

*Wendy Burke, Russell Olwell, History and Philosophy, Diane Parfitt, Leadership and Counseling, and David Clifford, Institute for the Study of Children, Families and Communities*

Connecting Students to the Community: EMU GEAR-UP Partnership to Promote College Readiness and Success  
**U.S. Department of Education**  
**\$572,263**

*Rebecca Martusewicz, and David Clifford, Institute for the Study of Children, Families and Communities*

Southeast Michigan Stewardship Coalition Continuation Proposal  
**Great Lakes Fisheries Trust**  
**\$174,690**

Community-Based Education for EcoJustice and Sustainability in SE Michigan (GLSI Supplement)  
**Sisters, Servants of the Immaculate Heart of Mary**  
**\$1,500**

Great Lakes Fisheries Stewardship Implementation  
**East Michigan Environmental Action Council**  
**\$29,200**

## SPECIAL EDUCATION

*Karen Carney and Derrick Fries*

Comprehensive Wrap-Around Services for High-Risk Teen Parents and Their Families  
**U.S. Department of Justice**  
**\$300,000**

*John Palladino*

Foster Care Services for Early On Toddlers: Voices from the Trenches  
**Clinton County RESA**  
**\$9,500**

College of Health and Human Services

## OFFICE OF THE DEAN

*Barbara Scheffer*

UM:NIH Michigan Bridges to Doctorate  
**University of Michigan**  
**\$118,661**

## SCHOOL OF HEALTH PROMOTION AND HUMAN PERFORMANCE

### *Kathleen Conley*

UM:NIH—Stroke Health and Risk Education  
University of Michigan  
\$70,682

## SCHOOL OF HEALTH SCIENCES

### *David Clifford, Institute for the Study of Children, Families and Communities, and Claudia Petrescu, Political Science*

Capacity Building of Nonprofit Organizations Serving Distressed Communities in Wayne and Eastern Washtenaw Counties, Michigan, American Recovery and Reinvestment Act (ARRA)  
**Administration for Children, Youth and Families**  
\$1,000,000

### *Pamela Lemerand, and James Lyddy and David Clifford, Institute for the Study of Children, Families and Communities*

Eastern Michigan University Autism Collaborative Center—Phase III Seed Funding and Renovations  
**Anonymous Foundation**  
\$600,000

### *Alice Rainville*

Editor for *Journal of Child Nutrition and Management*  
**School Nutrition Association**  
\$35,413

## SCHOOL OF NURSING

### *Sandra Hines*

EMU School of Nursing Graduate Traineeship  
**Health Resources and Services Administration**  
\$3,767

### *Virginia Lan*

Nurse Faculty Loan Program: American Recovery and Reinvestment Act (ARRA)  
**Human Resources and Services Administration**  
\$47,706

### *Tsu-Yin Wu*

Promoting Breast Health and Cancer Screening for Asian-American Women  
**Susan G. Komen Breast Cancer Foundation—Lansing**  
\$71,165

## SCHOOL OF SOCIAL WORK

### *Joan Abbey*

EMU Evaluation of Infant Mental Health Contractors for Detroit-Wayne County CMH Agency  
**Guidance Center—Virtual Center for Excellence**  
\$21,201

### *Joan Abbey and David Ragg*

University Collaboration to Support System-Wide Implementation of Best Promising and Evidence-Based Practices in Community Mental Health  
**Detroit/Wayne County Community Mental Health Agency**  
\$1,000,000

### *Betty Brown-Chappell, and James Knapp, Honors College*

McNair Postbaccalaureate Achievement Program  
**U.S. Department of Education**  
\$220,000

# Externally Sponsored Awards

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*Jennifer Kellman-Fritz, and David Clifford, Institute for the Study of Children, Families and Communities*

*Michigan Prisoner Re-Entry Initiative, Evaluation*

**Catholic Social Services, Ann Arbor**  
**\$15,000**

## College of Technology

### CENTER FOR REGIONAL AND NATIONAL SECURITY

*JillAnne Bauer, School of Technology Studies*

*MCOLES 2009-2010: EMU School of Police Staff and Command-Detroit Michigan Department of State Police*  
**\$86,828**

### COATINGS RESEARCH INSTITUTE

*Jamil Baghdachi, School of Engineering Technology, and John Texter, School of Engineering Technology*

*Hybrid Materials for Thermal Management in Thin Films and Bulk Composites*  
**U.S. Air Force-Office of Scientific Research**  
**\$31,110**

### SCHOOL OF ENGINEERING TECHNOLOGY

*Jamil Baghdachi*

*Support for Attendees of San Francisco, CA, March 21-15 Spring National ACS Meeting Symposium on Coatings Technologies*

**Office of Naval Research**  
**\$2,000**

*Support for Attendees of San Francisco, CA, March 21-25 Spring National ACS Meeting Symposium on Coatings Technologies*

**U.S. Air Force—Office of Scientific Research**  
**\$2,000**

*John Texter, and Ruth Ann Armitage, Gavin Edwards, Cory Emal, and Harriet Lindsay, Chemistry*

*MRI-r2: Acquisition of a High Resolution Time-of-Flight Mass Spectrometer for Research and Education, American Recovery and Reinvestment Act (ARRA)*  
**National Science Foundation**  
**\$207,275**

*John Texter, and Jamil Baghdachi, Coatings Research Institute*

*Hybrid Materials for Thermal Management in Thin Films and Bulk Composites*  
**U.S. Air Force-Office of Scientific Research**  
**\$31,110**

### SCHOOL OF TECHNOLOGY STUDIES

*JillAnne Bauer, Center for Regional and National Security*

*MCOLES 2009-2010: EMU School of Police Staff and Command-Detroit Michigan Department of State Police*  
**\$86,828**

*Sema Kalaian*

*A Meta-Analysis of the Effectiveness of Small-Group Instruction Compared to Lecture-Based Instruction in Science, Technology, Engineering, and Mathematics (STEM) College Courses*  
**National Science Foundation**  
**\$117,557**

*Subhas Ghosh, Textiles Research and Training Institute*

*Development of Biological Agents Destructive and Protective Fabric for Combat Soldiers and Security Personnel*  
**U.S. Army ARDEC**  
**\$740,000**

*Gerald Lawver*

*Enhancing IA Educational Outreach within the State of Michigan*  
**U.S. Department of Defense-Assistant Secretary for Networks**  
**\$1,620**

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## TEXTILES RESEARCH AND TRAINING INSTITUTE

*Subhas Ghosh, School of Technology Studies*

*Development of Biological Agents Destructive and Protective Fabric for Combat Soldiers and Security Personnel*  
**U.S. Army ARDEC**  
**\$740,000**

## Extended Programs

## CENTER FOR ORGANIZATIONAL RISK REDUCTION

*Barbara Hopkins and Arlene Cook*

*Asbestos Awareness Training*  
**Michigan Department of Labor and Economic Growth**  
**\$40,000**

## INSTITUTE FOR THE STUDY OF CHILDREN, FAMILIES AND COMMUNITIES

*David Clifford, and Wendy Burke, Teacher Education, Russell Olwell, History and Philosophy, and Diane Parfitt, Leadership and Counseling*

*Connecting Students to the Community: EMU GEAR-UP Partnership to Promote College Readiness and Success*  
**U.S. Department of Education**  
**\$572,263**

*David Clifford, and Jennifer Kellman-Fritz, School of Social Work*

*Michigan Prisoner Re-Entry Initiative, Evaluation*  
**Catholic Social Services, Ann Arbor**  
**\$15,000**

*David Clifford, and Vannie Hodges, Psychology*

*Michigan Level of Functioning Project*  
**Michigan Department of Community Health**  
**\$98,565**

*David Clifford, and Rebecca Martusewicz, Teacher Education*

*Southeast Michigan Stewardship Coalition Continuation Proposal*  
**Great Lakes Fisheries Trust**  
**\$174,690**

*Community-Based Education for EcoJustice and Sustainability in SE Michigan*  
**Sisters, Servants of the Immaculate Heart of Mary**  
**\$1,500**

*Great Lakes Fisheries Stewardship Implementation*  
**East Michigan Environmental Action Council**  
**\$29,200**

*David Clifford, and Russell Olwell, History and Philosophy*

*GEAR UP—Program Income—Summer 2009 Food Service Program*  
**Michigan Department of Education**  
**\$764**

*GEAR UP Evaluation Planning Grant*  
**RTI International, Research Triangle Park, NC**  
**\$24,000**

# Externally Sponsored Awards

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**David Clifford, School of Health Sciences, and Claudia Petrescu, Political Science**

Capacity Building of Nonprofit Organizations Serving Distressed Communities in Wayne and Eastern Washtenaw Counties, Michigan, American Recovery and Reinvestment Act (ARRA)

**Administration for Children, Youth and Families**  
**\$1,000,000**

**James Lyddy and David Clifford, and Pamela Lemerand, School of Health Sciences**

Eastern Michigan University Autism Collaborative Center—Phase III Seed Funding and Renovations

**Anonymous Foundation**  
**\$600,000**

**Lynn Malinoff and David Clifford**

21st Century Community Learning Centers—Brighter Futures Year 4 (Cohort D)

**Michigan Department of Education**  
**\$749,694**

**Lynn Malinoff and David Clifford, and Wendy Burke, Teacher Education**

21st Century Community Learning Centers, Bright Futures at Middle and High Schools (Cohort F)

**Michigan Department of Education**  
**\$749,694**

**Peggy Wiencek, and Melissa Motschall, English Language and Literature**

Eastern Michigan University and Lutheran Social Services of Michigan Partnership Program: Foster Care Youth Write Their Way to a Promising Future

**Michigan Campus Compact**  
**\$19,969**

## UPWARD BOUND

**Sandra Gonzales**

Upward Bound, Program Income Michigan Department of Education

**\$5,951**

Upward Bound-Renewal

**U.S. Department of Education**  
**\$398,292**

## Business and Finance

**Todd Ohmer**

Education Stabilization Fund—Support for Financial Aid “ARRA-American Recovery and Reinvestment Act”

**Michigan Department of Education**  
**\$2,246,500**

Note: This grant was provided by the American Recovery and Reinvestment Act State Fiscal Stabilization Fund to offset a 3% reduction in EMU’s FY2010 state appropriation.

## Office of the President

### PHYSICAL PLANT

**John Donegan, and Gregory O’Dell, Public Safety**

First Year Center Security Project—American Recovery and Reinvestment Act

**Michigan Department of State Police**  
**\$82,000**

### PUBLIC SAFETY

**Gregory O’Dell, and John Donegan, Physical Plant**

First Year Center Security Project—American Recovery and Reinvestment Act

**Michigan Department of State Police**  
**\$82,000**

**Mark Wesley**

Hazard Mitigation Planning Grant

**Michigan Department of State Police**  
**\$29,997**

**Mark Wesley, and Kathryn Wilhoff, Environmental Health and Safety, and Ellen Gold, University Health Services**

A Community-Based Model for Emergency Management

**U.S. Department of Education**  
**\$490,517**

## ENVIRONMENTAL HEALTH AND SAFETY

*Kathryn Wilhoff, and Ellen Gold, University Health Services, and Mark Wesley, Public Safety*

*A Community-Based Model for Emergency Management  
U.S. Department of Education  
\$490,517*

## Student Affairs and Enrollment Management

### CHILDREN'S INSTITUTE

*Christine Aris*

*Great Start Readiness Program  
Michigan Department of Education  
\$170,000*

### DIVERSITY AND COMMUNITY INVOLVEMENT

*Margaret Harless*

*EMU-Ozone House: Collaborative for Youth Empowerment  
Michigan Campus Compact  
\$17,456*

*Margaret Harless and Christie Cadmus*

*IMPACT: Inspiring Mentors, Parents, and Children Together  
Michigan Community Service Commission  
\$145,219*

*Lindsay Scalera, and Lauren Allmayer, VISION, and Robert Duke, History and Philosophy*

*The Giving Garden  
Michigan Campus Compact  
\$2,965*

### UNIVERSITY HEALTH SERVICES

*Ellen Gold, and Kathryn Wilhoff, Environmental Health and Safety, and Mark Wesley, Public Safety*

*A Community-Based Model for Emergency Management  
U.S. Department of Education  
\$490,517*

### VOLUNTEERS INCORPORATING SERVICE INTO OUR NEIGHBORHOODS (VISION)

*Lauren Allmayer, and Robert Duke, History and Philosophy, and Lindsay Scalera, Diversity and Community Involvement*

*The Giving Garden  
Michigan Campus Compact  
\$2,965*

## University Marketing and Communications

### WEMU RADIO

*Arthur Timko*

*WEMU Community Service Grant Corporation for Public Broadcasting  
\$170,317*

*CPB Fiscal Stabilization Grant Corporation for Public Broadcasting  
\$15,457*

# Internally Sponsored Awards

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## Ronald W. Collins Distinguished Faculty Awards

**Andrew Ross,**  
*Mathematics, Teaching I*

**Robert Winning,**  
*Biology, Teaching II*

**Aaron Liepman,**  
*Biology, Research I*

**Deborah Heyl-Clegg,**  
*Chemistry, Research II*

## Faculty Scholarship Recognition Awards

**John McCurdy,**  
*History and Philosophy, "Citizen Bachelors: Manhood and the Creation of the United States"*

**Martin Shichtman,**  
*English Language and Literature, "Cinematic Illuminations: The Middle Ages on Film"*

**Lynn Nybel,**  
*Social Work, "Childhood, Youth, and Social Work in Transformation: Implications for Policy and Practice"*

## Fourth Annual Michigan Distinguished Professor of the Year Recognition Nominee

**Steven Pernecky,**  
*Chemistry*

## Sabbatical Leave Awards

**Anthony J. Adamski**  
*(Technology Studies), "Pathways to Compliance: A Systems Perspective on the Aviation Regulatory Process"*

**Peter A. Bednekoff**  
*(Biology), "Extending the Risk Allocation Hypothesis"*

**Joe Bishop**  
*(Teacher Education), "Creating an Environment for International Cooperation and Exchanges between EMU and Sumy State Pedagogical University, Sumy, Ukraine"*

**Brian Bruya**  
*(History and Philosophy), "The Philosophical Challenge from China"*

**Abby Coykendall**  
*(English Language and Literature), "Heteronormativity and the Eighteenth Century"*

**Suzanne M. Dugger**  
*(Leadership and Counseling), "The Nuts and Bolts of Career Counseling: A Practical Guide for the Professional Counselor"*

**Christopher Gardiner**  
*(Mathematics), "Calculus with Review"*

**Sema Kalaian**  
*(Technology Studies), "A Scholarly Project to Disseminate Statistical and Methodological Developments as well as the Findings of the Meta-Analytic Research that Examine the Effectiveness of Active Small-Group Instruction in STEM Classes"*

**Elvia Krajewski-Jaime**  
*(Social Work), "Qualitative Study: Needs Assessment of Low-Income Elderly in Mexican Resort Area"*

**David Kass**  
*(Biology), "Genetic Analysis for Mechanisms for Reproductive Isolation in Closely Related Species of Mice"*

**Andrea Kaston Tange**  
*(English Language and Literature), "Children and Empire"*

**Jon Margerum-Leys**  
*(Teacher Education), "Perspectives on Teacher Preparation: Case Studies of Recent Eastern Michigan University Student Teachers"*



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## Faculty Research Fellowships

### **D. Robert Okopyn**

(Accounting and Finance), "A Diversity Experience and Exploration of Internal Auditing and Ethics within the Context of the Chinese Academic and Business Environment"

### **Raymond A. Rosenfeld**

(Political Science), "Comparative Civic Culture Research and Policy Planning Manuscript"

### **Joel Schoenhals**

(Music and Dance), "Liuyang He: Piano Arrangements of Chinese Folk Music"

### **Cara Shillington**

(Biology), "Tarantula Mating Systems: How Male Activity and Female Receptivity Influence Mating Success"

### **James Thornton**

(Economics), "Economics of the Wine Industry"

### **Robert Winning**

(Biology), "Investigation into the Role of Ephrin-A5 in Guiding Neurons to Hindlimb Muscle"

### **Bonnie L. Wyl0**

(Physics and Astronomy), "Preparation of a Textbook for Physics for Pre-Service Elementary Teachers"

### **Suzanne Zelnik Geldys**

(Health Promotion and Human Performance), "Social Dance Textbook"

### **Margrit V. Zinggeler**

(World Languages), "How Second Generation Immigrant Authors Have Changed and Transformed German Swiss Literature"

### **Gregg Barak**

(Sociology, Anthropology and Criminology), "Class, Race, Gender, and Crime"

### **Paul Chao**

(Marketing), "The Moderating Role of Brand Name Translation on Country-of-Origin Effects"

### **David Chou**

(Computer Information Systems), "Developing an Innovative Change Auditing Methodology"

### **Joan Cohen Jones**

(Mathematics), "Visualizing Elementary Math Methods"

### **Bradley E. Ensor**

(Sociology, Anthropology, and Criminology), "Kinship and Political Economy in Archaeology"

### **Diane Porretta Fox**

(Nursing), "A New Paradigm to Examine Nursing Education Needs: Registered Nurses' Perspectives of Stressors and Coping Strategies Among Recent Nursing Graduates"

### **Sam Fullerton**

(Marketing), "An Assessment of the Sentiment Regarding Perceived Breaches of Ethical Standards of Conduct on the Part of Consumers as Mediated by the Size of the Aggrieved Firm and the Size of the Financial Consequences Emanating from the Consumers' Behavior"

### **Steven K. Huprich**

(Psychology), "Negative Affect, Emotional Dysregulation, Impulsivity, and Object Relations: Evaluating the Differential Contributions of Four Predictors of Borderline Personality Disorder"

### **Myung-sook Koh**

(Special Education), "A Pilot Study of a Comprehensive Cognitive Therapy for Autism"

### **Paul Leighton**

(Sociology, Anthropology and Criminology), "Violence and Nonviolence"

### **Lois S. Mahoney**

(Accounting and Finance), "An Examination of Voluntary Corporate Social Reporting and Firm Profitability: A Canadian Investigation"

### **Mansoor Moaddel**

(Sociology, Anthropology and Criminology), "Ethnicity, Sectarianism, and People's Values: Lebanon after the Cedar Revolution"

### **Valerie Polakow**

(Teacher Education), "Children's Rights/Children's Voices"

### **Jennifer L. Rice**

(Economics), "The Impact of Economic Conditions and Market Structure on Employer-Sponsored Health Insurance"

### **Thomas Schmitt**

(Psychology), "The Validity of Ability Estimation under Conditions of Test Speededness within a Computer Adaptive Testing Environment"

# Internally Sponsored Awards

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## **Weidian Shen**

(Physics and Astronomy),  
"Developing a Reliable and  
Efficient Corrosion Resistance  
Characterization Technique for  
Magnesium Alloys Used in  
Automotive and Other  
Manufacturing Industries"

## **Christine Tracy**

(English Language and Literature),  
"news@you.com"

## **Tsu-Yin Wu**

(Nursing), "A New Paradigm to  
Examine Nursing Education Needs:  
Registered Nurses' Perspectives of  
Stressors and Coping Strategies  
Among Recent Nursing Graduates"

## **Willard Zirk**

(Music and Dance), "A Requiem for a  
World War II Musical WASP"

## Provost's New Faculty Research Awards

## **Jin Bo**

(Psychology) "Handwriting  
Consistency in Children with  
Developmental Coordination  
Disorder"

## **John W. Carbone**

(Health Sciences) "Amino Acid  
Regulation on the Ubiquitin  
Proteasome Pathway"

## **Anne M. Casper**

(Biology) "Characterizing DNA  
Breaks at Chromosomal Fragile  
Sites Using the Yeast Model  
Organism *Saccharomyces  
cerevisiae*"

## **Brooke Dagnan**

(Communication, Media and  
Theatre Arts) "The Sale Barn:  
Documenting the Traditions of a  
Midwestern Auction"

## **Nina P. David**

(Geography and Geology) "An  
Evaluation of Informal Regional  
Land Use Partnerships and their  
Potential in Michigan"

## **Robert H. Duke**

(History and Philosophy) "Food Is a  
Weapon": Manufacturing Support  
for Community Gardening in the  
Arsenal of Democracy"

## **Janet L. Fisher**

(Special Education) "Examining  
Special Education Eligibility for  
Students with Autism Spectrum  
Disorder through the Lens of a  
Collaborative Medical-Educational  
Model"

## **Jeff Guthrie**

(Chemistry) "Aptamer-Based  
Biosensors for Environmental  
Analysis"

## **Larry G. Morton II**

(Social Work). "Exploring the  
Challenges and Strengths in  
Homeless Persons with  
Developmental Disabilities"

## **Derek N. Mueller**

(English Language and Literature).  
"Apprenticeship in Linking:  
Networked Writing Practices and  
the Casual Circulation of Influential  
Objects"

## **Brian Spolans**

(Art). "Systems of Function"

## **John A. Staunton**

(English Language and Literature).  
"Teaching Literature/Inquiry in  
Community"

## **Shiri Vivek**

(Marketing). "Service  
Ethnocentrism in the Choice  
of Providers: Development of a  
Multi-Country Measure"

## **Mehmet E. Yaya**

(Economics) "Determinants of  
Income Inequality of Immigrants  
in the United States"



# 2010 Annual Report Research Leads the Way

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## **Office of Research Development Stark Weather Hall**

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