

UNIVERSITY OF MASSACHUSETTS
DARTMOUTH

Annual
Report of
Proposals
and
Awards

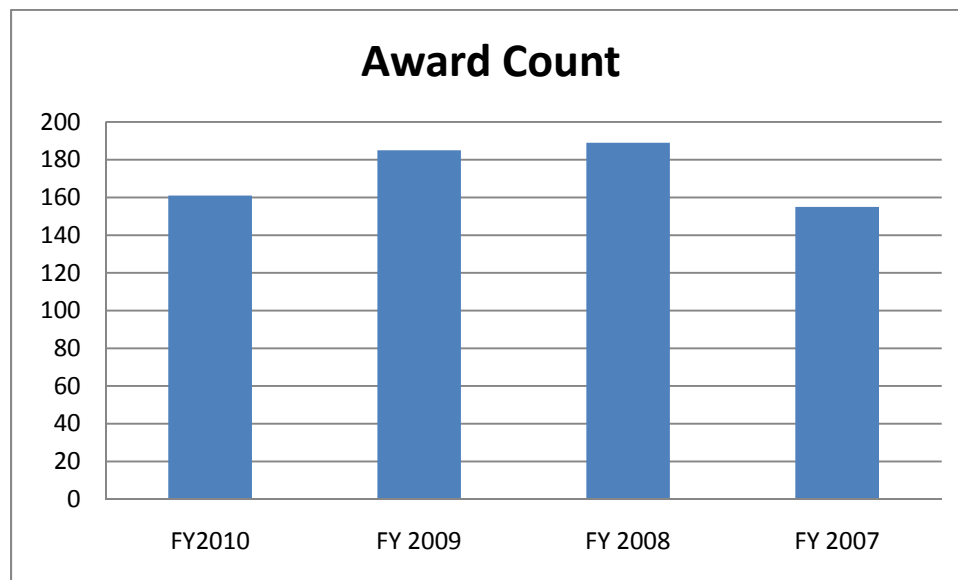
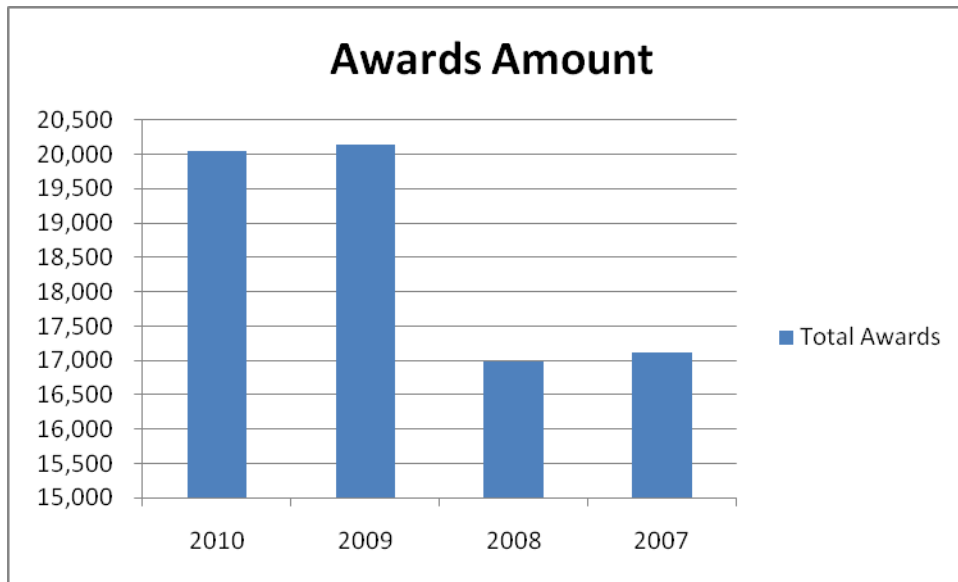
2010

Summary of Sponsored Project Activity July 1, 2009 – June 30, 2010

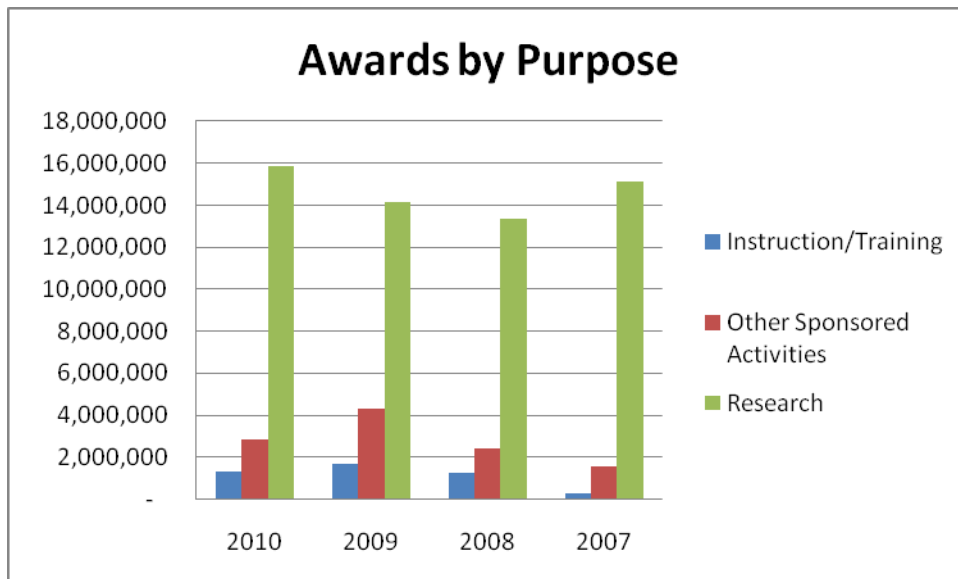
Office of
Research
Administration

Summary Fiscal Year 2010 Proposal and Award Activity

Awards levels remained fairly level from FY 09 to FY 10. External funding in the form of new or continuing grants and contracts received by the University of Massachusetts Dartmouth was received in the amount of \$20,042,054 during fiscal year 2010 compared to \$20,133,810 in FY09. These awards include Research, Training and Other Sponsored Activities. The following charts show the comparison of award amounts and numbers for fiscal years 2007 through 2010. The total number of awards was 161 compared to 185 in FY09.

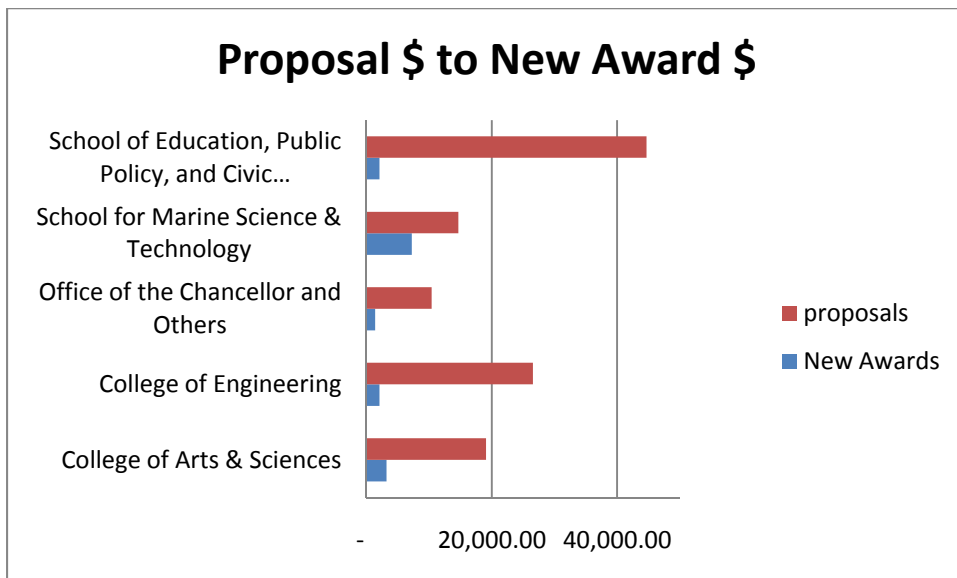
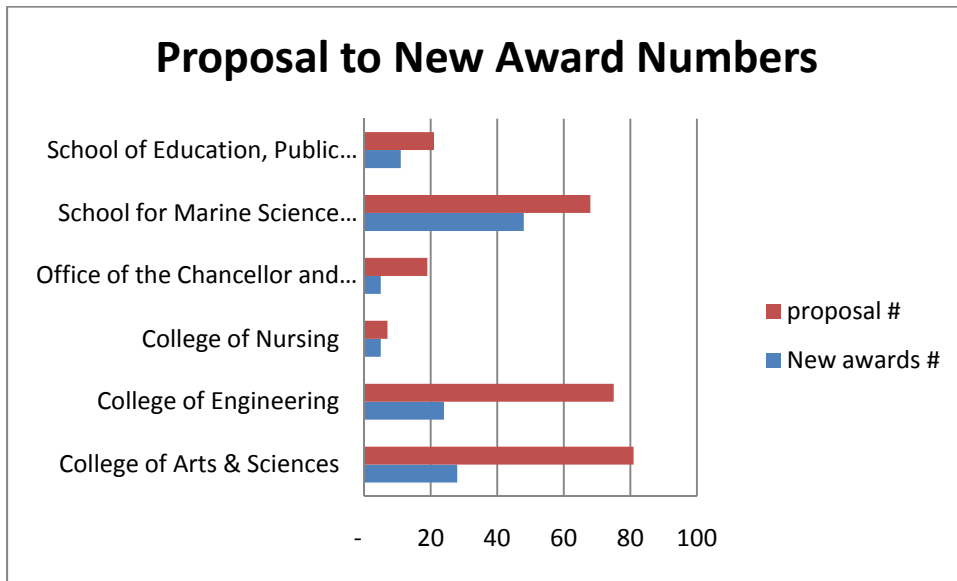


The majority of awards received were for research purposes, these awards totaled more than \$15.8 million in FY 10, 79% of the total compared to \$14.1 million in FY 09 and \$13.3 million in FY 08. Public Service and Other Sponsored awards were 14% of the total at \$2.8 million compared to \$4.3 million in FY 09 and \$2.9 million in FY 08 and the remaining 7% of awards totaling \$1.3 million were for instruction and training purposes compared to \$1.7 in FY 09 and \$1.2 million in FY 08.



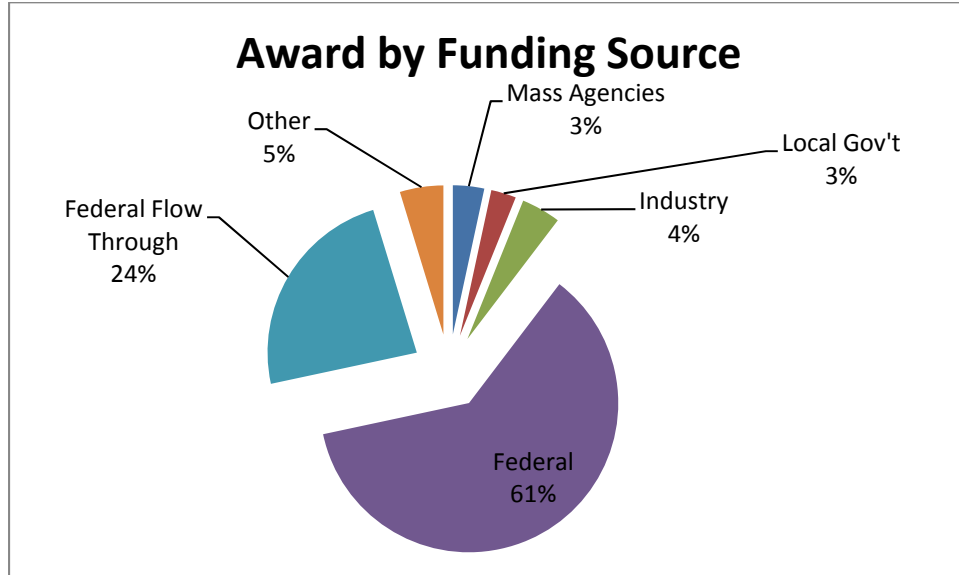
Proposals to Awards Comparisons Fiscal Year 2010

100 faculty and project directors submitted 271 proposals requesting \$115 million in funding compared to 103 faculty and project directors requesting \$71 million in FY 2009. Average proposal value requested was \$425,000. Of the funding received in FY 2010, 121 were new awards totaling \$16 million. The following page includes graphs of both the number and value of proposals submitted compared to new awards received.



Awards by Funding Source

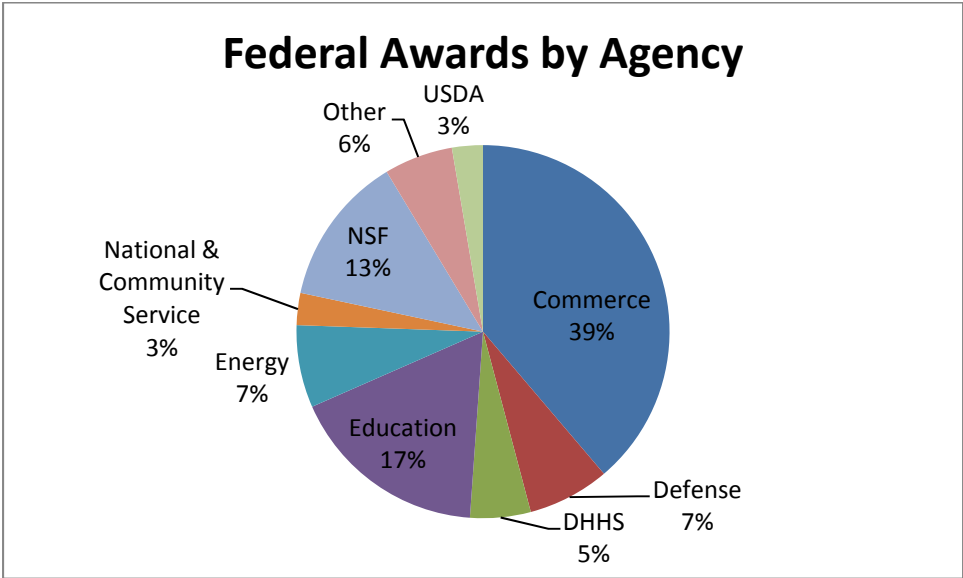
Federal funding received directly from federal agencies and as flow through from nonfederal sources represented 85% of total award dollars. Commonwealth of Massachusetts agencies and local governments provided 6% of total funding, Industry provided 4% and the remaining 5% was from nonprofit and other organizations.



Awards by Funding Source Fiscal Year 2010

Industry	853,938
Federal	12,285,927
Federal Flow Through	4,735,089
Local government	542,950
Mass Agencies	678,044
Other	946,106
Total	20,042,054

There was a total of \$17 million in funding provided by the federal government either directly or as a subrecipient by UMD during FY 2010. The Department of Commerce including NOAA provided the most federal funding, \$6.6 million. The Department of Education provided \$2.9 million and the National Science Foundation \$2.2 million. The Department of Energy and the Department of Defense each provided \$1.2 million. The Department of Health and Human Services including the National Institute of Health provided just under \$1.0 million, the remaining was provided by various federal agencies including the Corp for National & Community Service, Federal Highway Department, USDA, HUD, NASA, National Endowment for the Humanities, and Department of Labor.



Awards By Federal Agency Fiscal Year 2010

Federal Agency	Amount
Commerce	6,600,190
Education	2,943,526
Energy	1,215,669
Defense	1,208,844
DHHS	892,006
NSF	2,218,698
National & Community Service	473,437
USDA	454,500
Other	1,014,147
Total	17,021,016

The following pages present tables of awards by Executive Unit, Department and Principal Investigator.

Comparison Report of Awards by College

FY 2008 through FY 2010

Comparison Report of Research and Other Sponsored Awards by College						
Unit	2010		2009		2008	
	Number	Amount	Number	Amount	Number	Amount
College of Arts & Sciences	36	3,688,330	40	2,747,464	38	3,344,532
College of Business	0	-	0	-	1	15,000
College of Engineering	36	2,893,207	34	2,275,293	36	3,615,059
College of Nursing	5	401,630	9	1,050,723	7	742,045
College of Visual and Performing Arts	1	9,690	1	168,805	-	-
School for Marine Science & Technology	61	8,094,983	75	9,500,323	57	4,976,676
School of Education, Public Policy and Civic Engagement	12	2,636,912	11	2,672,543	-	-
Chancellor's Office	39	1,387,948	29	764,607	33	1,163,091
Library	2	417,147	2	412,594	-	-
Professional & Continuing Education	0	0	3	83,354	7	1,393,107
Academic Affairs	3	504,707	3	454,604	9	1,728,305
Student Affairs	1	7,500	1	3,500	1	5,000
Grand Total	196	20,042,054	208	20,133,810	189	16,982,815

Fiscal year 2009 distribution reflects organizational changes that were implemented the beginning of the year. Prior years have not been adjusted for these changes.

**External Research and Other Sponsored Awards
By College and Department
FY 2010 and 2009**

Unit/Department	2010	2,009
College of Arts & Sciences		
Biology	934,869	448,079
Chemistry & Biochemistry	1,213,214	494,170
English	210,401	-
Foreign Literature & Languages	1,800	1,800
History	166,647	162,029
Labor Education Center	762,103	937,777
Mathematics	119,165	521,474
Psychology	280,131	182,134
College of Arts & Sciences Total	3,688,330	2,747,464
College of Engineering		
Campus and Community Sustainability	63,060	17,210
Civil & Environmental Engineering	131,391	185,084
Computer & Information Science	87,000	265,000
Electrical & Computer Engineering	691,267	981,175
Materials & Textiles	475,609	41,099
Mechanical Engineering	524,301	492,038
Physics	920,579	93,687
Rehabilitation Engineering	-	200,000
College of Engineering Total	2,893,207	2,275,293
College of Nursing		
Adult/Child Nursing	68,686	-
Community Nursing	21,362	22,944
Dean's Office	93,655	-
Lead Paint Program	217,927	1,027,779
College of Nursing Total	401,630	1,050,723
College of Visual and Performing Arts		
Art Education	-	168,805
Music	9,690	-
College of Visual and Performing Arts Total	9,690	168,805
School for Marine Science & Technology		
Estuarine & Ocean Sciences	2,458,761	3,742,640
Fisheries Oceanography	5,636,222	5,757,682
School for Marine Science & Technology Total	8,094,983	9,500,322
School of Education, Public Policy and Civic Engagement		
Center for University, School & Community Partnership	1,327,139	2,121,974
Civic Engagement	46,200	53,600
Education, Teaching & Learning	-	32,638
Kaput Center	676,035	464,331
Policy Studies	114,101	-
	473,437	-
School of Education, Public Policy and Civic Engagement Total	2,636,912	2,672,543
Chancellor's Office		
Advanced Technology Manufacturing Center	411,448	489,607
Economic Development	25,000	275,000
Marine Renewable Energy Center	951,500	-
Chancellor's Office Total	1,387,948	764,607
Library		
Upward Bound	417,147	412,594
Library Total	417,147	412,594
Professional & Continuing Education		
Continuing Education	10,000	83,354
Professional & Continuing Education Total	10,000	83,354
Provost Office		
Academic Resource Center	412,402	391,752
Graduate Studies	-	19,804
Office of the Provost	82,305	43,048
Provost Office Total	494,707	454,604
Student Affairs		
Career Resource Center	-	3,500
Counseling Services	7,500	-
Student Affairs Total	7,500	3,500
Grand Total	20,042,054	20,133,810

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
College of Arts & Sciences		
Biology		
Bernal,Diego		
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	Post release survivability of longline-caught large coastal sharks.	362,294
Bernal,Diego Total		362,294
Bromage,Erin S.		
U.S. DEPARTMENT OF AGRICULTURE	Competition for Anterior Plasma Cell Niches Determines the Success of Vaccines	375,000
UNIVERSITY OF MASSACHUSETTS - AMHERST	US Veterinary Immune Reagent Network	22,000
		27,500
Bromage,Erin S. Total		424,500
Oliveira,Kenneth		
NATIONAL MARINE FISHERIES SERVICE	Energy Content of Tissue Samples from Marine Fishes	9,444
Oliveira,Kenneth Total		9,444
Turner,Jefferson T		
WOODS HOLE OCEANOGRAPHIC INSTITUTION	ECO HAB II Project Harbor Outfall Monitoring 6	112,087
BATTELLE MEMORIAL INSTITUTE		26,544
Turner,Jefferson T Total		138,631
Biology Total		934,869
Chemistry & Biochemistry		
Cai,Shuowei		
ANTERIOS, INC.	Anterios Sponsored Research	240,066
U.S. ARMY NATICK SOLDIER CENTER		
	Small Biomolecular Inhibitors for Botulinum Neurotoxins (BoNTs): Understanding the Relationship between the Strength of Binding and the Inhibition of Protease Activity	45,500
Cai,Shuowei Total		285,566
Neto,Catherine A.		
UNIVERSITY OF MASSACHUSETTS - AMHERST	Chemical Ecology to Reduce Pesticide Use and Increase Sustainability in Cranberry Production	30,000
UNIVERSITY OF PRINCE EDWARD ISLAND	Blueberry and Cranberry Bioactives: Effects on Prostate Cancer Cells Can Cranberry Constituents Inhibit Allergic Response by Immune Cells?	8,591
WISCONSIN CRANBERRY BOARD		20,900
Neto,Catherine A. Total		59,491
Singh,Bal R		

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
IPSEN BIOPHARM LIMITED	Analysis of Botulinum Neurotoxin Complex from Type A Clostridium Botulinum	163,000
NEWTON PHOTONICS	Rapid Detection of Bioterrorism Agents Using a High Sensitivity SPR Sensor	251,723
RADIX BIOSOLUTIONS	Multiplexed Immunoassays for the Detection of Biological Toxins and Select Agents	75,000
SANDIA NATIONAL LABS	Portable Microfluidic Platform for Bioterrorism Diagnostics	127,439
U.S. ARMY NATICK SOLDIER CENTER	The Role of Host-Mediated Phosphorylation and Palmitoylation in the Extended Survival and Stability of Botulinum Neurotoxin in Neuronal Cells	182,479
UNIVERSITY OF MISSOURI	Development of a Real time, Field Deployable and Ultrasensitive Sensor Platforms for Biological and Chemical Agent Detection	50,082
Singh,Bal R Total		849,723
Zuo,Yuegang		
NATIONAL SCIENCE FOUNDATION	Occurance and photochemical degradation of estrogenic steroids in coastal seawater	18,435
Zuo,Yuegang Total		18,435
Chemistry & Biochemistry Total		1,213,214
English		
Riley,Jeannette		
DAVIS EDUCATIONAL FOUNDATION	Implementation of Blended Learning for the Improvement of Student Learning (IBIS)	210,401
Riley,Jeannette Total		210,401
English Total		210,401
Foreign Language		
O'Hara,Stephanie E		
FRENCH AMERICAN CULTURAL EXCHANGE	Tournees French Film Festival	1,800
O'Hara,Stephanie E Total		1,800
Foreign Language Total		1,800
History		
Koot,Gerard M		

University of Massachusetts Dartmouth
 FY 2010
 Report of New Awards, Continuations and Supplements
 Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
NATIONAL ENDOWMENT FOR THE HUMANITIES	Historical Interpretations of the Industrial Revolution in Britain	166,647
Koot, Gerard M Total		166,647
History Total		166,647
Labor Education Center		
Jochim, Lisa A.		
BRISTOL COMMUNITY COLLEGE	"Step Up to College": An ABE Transitions to Community Colleges Program	3,500
	Accessing the Workplace: A Bilingual Certificate Program	7,500
	Youth Earn & Learn Project	4,000
COMMONWEALTH CORPORATION	Learn at Work Initiative - Stop & Shop ESOL and GED	170,355
GREATER NB WORKFORCE INVESTMENT AREA	FY '11 DOE Adult Education Program	54,546
MA DEPT OF ELEMENTARY & SECONDARY ED	Capacity Building: Family Literacy Community Adult Learning Center	471,212
	FY '11 Workplace Education Brandon Woods	25,000
	Workplace Needs Analysis	8,754
MASSACHUSETTS DEPARTMENT OF EDUCATION	Community Adult Learning Center Increase	5,236
Jochim, Lisa A. Total		762,103
Labor Education Center Total		762,103
Math		
Gottlieb, Sigal		
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	High Order strong Stability Preserving Time Discretizations for the Time Evolution of Hyperbolic Partial Differential Equations	49,387
	RUI: Adaptive High-Order Methods for Solution of PDEs	69,778
NATIONAL SCIENCE FOUNDATION		69,778
Gottlieb, Sigal Total		119,165
Math Total		119,165
Psychology		
Locke, Robin		
NATIONAL INSTITUTES OF HEALTH	Emotional & Cortisol Differences Associated with Context	71,005
Locke, Robin Total	Inappropriate Anger	71,005
Shapiro, Amy M.		

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
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College/Department/PI/Sponsor	Title	Total
U.S. DEPARTMENT OF EDUCATION	The Efficacy of Personal Response Systems (Clickers) as Learning Tools: A Multidisciplinary, Large-Scale, Empirical Evaluation	209,126
Shapiro, Amy M. Total		209,126
Psychology Total		280,131
College of Arts & Sciences Total		3,688,330
College of Engineering		
Civil/Environmental Engineering Mogawer, Walaa S		
ADVANCED ASPHALT TECHNOLOGIES	Mix Designs for Warm Mix Asphalt Technologies New England Transportation Consortium Research Study 03-6: Fix It First Utilizing The Seismic Property Analyzer and MMLS to Develop guidelines for the Use of Polymer Modified Thin HMA vs. Surface Treatments	48,049
FEDERAL HIGHWAY ADMINISTRATION		45,842
Mogawer, Walaa S Total		93,891
Rahbar, Nima		
UNIVERSITY OF MASSACHUSETTS MED SCHOOL	Interfacial Adhesion between Polymer Substrates and Osteoconductive Minerals-Addressing a Key Challenge in Bone Tissue Engineering	37,500
Rahbar, Nima Total		37,500
Civil/Environmental Engineering Total		131,391
Computer Information Science		
Balasubramanian, Ramprasad		
OFFICE OF NAVAL RESEARCH	Integration of Ocean Dynamics Towards Energy Management in a Multi-UUV Framework	75,000
Balasubramanian, Ramprasad Total		75,000
Vokkarane, Vinod M.		
NATIONAL SCIENCE FOUNDATION	NeTS-NBD Collaborative Research: SOON: Service-Oriented Optical Networks	12,000
Vokkarane, Vinod M. Total		12,000
Computer Information Science Total		87,000
Electrical Computer Engineering		
Bilik, Igal		
ISRAEL MINISTRY OF DEFENSE	Source Localization in a Presence of Multipath	150,000
Bilik, Igal Total		150,000
Brown, David A.		

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
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OFFICE OF NAVAL RESEARCH	Electro-mechanical modeling of cylindrical transducers and their dependence on coupled vibrations and polarization states	139,500
Brown,David A. Total		139,500
Buck,John R.		
OFFICE OF NAVAL RESEARCH	Partial Underwriting for 2009 IEEE Underwater Acoustic Signal Processing Workshop	5,000
Buck,John R. Total	Stochastic Eigenanalysis for Adaptive Array Processing	94,598
Chen,Chi Hau		99,598
NAVAL UNDERSEA WARFARE CENTER	Generic Pseudorandom Bioacoustic Signals	8,000
Chen,Chi Hau Total		8,000
Payton,Karen L		
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Metrics of Speech Intelligibility	47,169
Payton,Karen L Total		47,169
Rancour,David P		
SMALL BUSINESS ADMINISTRATION SBA	High Throughput Point-of-Care/In-Vitro Diagnostics Platform	247,000
Rancour,David P Total		247,000
Electrical Computer Engineering Total		691,267
Materials and Textiles		
Calvert,Paul D.		
ENGINEERED YARNS COMPANY	STTR Phase 1: Co-extruded Electroded Fiber Sensors and Actuators	45,500
U.S. DEPARTMENT OF EDUCATION	Center for Regenerative Biomaterials	95,000
Calvert,Paul D. Total		140,500
Fan,Qinguo		
MASSACHUSETTS TECHNOLOGY COLLABORATIVE	Digital High Speed Inkjet Textile Printing System/Validation & Prototype Development Initiative	50,000
Fan,Qinguo Total		50,000
Kim,Yong K.		
CLEMSON UNIVERSITY	National Textile Center 2008	285,109
Kim,Yong K. Total		285,109
Materials and Textiles Total		475,609
Mechanical Engineering		
Bhowmick,Sankha		
COVIDIEN	Functionalization of Biopolymers	30,000

University of Massachusetts Dartmouth
 FY 2010
 Report of New Awards, Continuations and Supplements
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NATIONAL SCIENCE FOUNDATION	Collaborative Research: Use of Novel Heat Spreader Technology for Reduction of High Temperature Related rutting in Asphalt Pavements	134,353
Bhowmick,Sankha Total		164,353
Chalivendra,Vijaya		
NATIONAL SCIENCE FOUNDATION	Collaborative Research: Mechanical and Electrical Response of Novel Polymer Grafted CNT Reinforced Copolymers under Quasi- static and Dynamic Loading	5,938
	Development of Micro Tensile Tester Operated in Atomic Force Microscopy	27,799
Chalivendra,Vijaya Total		33,737
Friedman,Peter		
SANDIA NATIONAL LABS	Experimental Study of Oil-Brine Mixing in the Strategic Petroleum Reserve	79,680
Friedman,Peter Total		79,680
Holtta-Otto,Katja		
NATIONAL SCIENCE FOUNDATION	Collaborative Research: Extreme Experience Design for Breaking Barriers to Innovation	12,000
Holtta-Otto,Katja Total		12,000
Huang,Wenzhen		
NATIONAL SCIENCE FOUNDATION	GOALI: A Mode-based Math Model for Geometric Variation & Tolerance Control	170,000
Huang,Wenzhen Total		170,000
Laoulache,Raymond N		
OCEAN RENEWABLE POWER COMPANY	Computational Fluid Dynamics Research & Analysis for the Proprietary Advanced Design Cross Flow Turbine	46,148
Laoulache,Raymond N Total		46,148
Rice,John M		
PROGENY SYSTEMS CORPORATION	Store/Aircraft Interface Force Measurement System	18,383
Rice,John M Total		18,383
Mechanical Engineering Total		524,301
Physics		
Fisher,Robert		
NATIONAL SCIENCE FOUNDATION	MRI-R2: Acquisition of a Heterogenous Terascale Shared Campus Computing Facility	199,480

University of Massachusetts Dartmouth
FY 2010
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Fisher,Robert Total		199,480
Khanna,Gaurav		
NATIONAL SCIENCE FOUNDATION	Alternative Technologies for Numerical Relativity and Ligo Data-Analysis	160,560
Khanna,Gaurav Total		160,560
Tandon,Amit		
BOSTON UNIVERSITY	Interpreting the Ocean's Interior from Surface Data	59,395
NATIONAL SCIENCE FOUNDATION	Collaborative Research: On the Importance of Submesoscal Processes for Ocean Productivity Submesoscale Routes to Lateral Mixing in the	328,384
OFFICE OF NAVAL RESEARCH	Ocean	39,210
Tandon,Amit Total		426,989
Wang,Jianyi Jay		
TCR ENGINEERING	Computer Modeling and Visualization of Physical Systems	28,000
Wang,Jianyi Jay Total		28,000
Zarrillo,Marguerite L.		
NATIONAL SCIENCE FOUNDATION	TC: Medium Collaborative Research: Pay-As-You-Go Security and Privacy for Integrated Transportation Payment Systems	100,000
UNIVERSITY OF MASSACHUSETTS - AMHERST	Integrated Transportation Payment Systems: Principles, Concepts, and Applications	5,550
Zarrillo,Marguerite L. Total		105,550
Physics Total		920,579
Campus & Community Sustainability		
Jennings,Susan		
BRIDGEWATER STATE COLLEGE	Sustainability Summer Camp for Middler Schoolers	12,210
BRISTOL COMMUNITY COLLEGE	Energy Efficiency and Construction Enhancement-Stepping Stone	50,000
SOUTHEASTERN ENVIRONMENTAL ED ALLIANCE	Sustainability Library Resource Corners	850
Jennings,Susan Total		63,060
Campus & Community Sustainability Total		63,060
College of Engineering Total		2,893,207
College of Nursing		
Adult/Child Nursing		
Christopher,Kimberly A.		
HEALTH RESOURCES SERVICE ADMINISTRATION	Nursing Faculty Loan Program	68,686
Christopher,Kimberly A. Total		68,686
Adult/Child Nursing Total		68,686

University of Massachusetts Dartmouth
 FY 2010
 Report of New Awards, Continuations and Supplements
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College/Department/PI/Sponsor	Title	Total
College of Nursing Dean's Off		
Christopher, Kimberly A.		
HEALTH RESOURCES SERVICE ADMINISTRATION		93,655
Christopher, Kimberly A. Total		93,655
College of Nursing Dean's Off Total		93,655
Community Nursing		
Leffers, Jeanne M.		
	Development of the Environmental Health for Nursing and Health Professionals Electronic	
HEALTH CARE WITHOUT HARM	Textbook: Phase 1	6,960
Leffers, Jeanne M. Total		6,960
Russell, Gail		
	Advanced Education in Nursing Traineeship	
HEALTH RESOURCES SERVICE ADMINISTRATION	2010-11	14,402
Russell, Gail Total		14,402
Community Nursing Total		21,362
Lead Paint Program		
Maiocco, Carmen J.		
	Childhood Lead Positioning Prevention program	
MA DEPARTMENT OF PUBLIC HEALTH		217,927
Maiocco, Carmen J. Total		217,927
Lead Paint Program Total		217,927
College of Nursing Total		401,630
College of Visual & Performing Arts		
Music		
Hartigan, Royal J.		
	Musical Styles and Cultural Contexts of the Philippines for University Teaching	
WHITING FOUNDATION, MARION AND JASPER		9,690
Hartigan, Royal J. Total		9,690
Music Total		9,690
College of Visual & Performing Arts Total		9,690
School for Marine Science & Technology		
Estuarine and Ocean Sciences		
Altabet, Mark A.		
	Nitrogen Isotope and N ₂ /Ar Biogeochemistry of the Peru Suboxic Zone	
NATIONAL SCIENCE FOUNDATION		6,250
	The Role of Regenerated Nitrogen for Rocky Shore Productivity Participation in the third Agouron-OMZ Oceanographic Cruise	
THE AGOURON INSTITUTE		183,381
Altabet, Mark A. Total		199,631
Brown, Wendell S.		
	Phased Deployment and Operation of the Mid-Atlantic Regional Coastal Ocean Observing System	
RUTGERS UNIVERSITY		229,000
Brown, Wendell S. Total		229,000
Gangopadhyay, Avijit		

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
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College/Department/PI/Sponsor	Title	Total
RUTGERS UNIVERSITY	Ocean Observatories Initiative	
Gangopadhyay, Avijit	Cyberinfrastructure (OOI-CI)	7,000
Goodman, Louis		7,000
VEHICLE CONTROL TECHNOLOGIES, INC.	Phase II STTR-036: Development of a Compact Long-Range Underwater Velocity Sensory System	150,000
	Testing & Evaluation Support to Vehicle Control Technology Inc for STTR N08-T016	75,000
Goodman, Louis		225,000
Howes, Brian L.		
A.D. MAKEPEACE COMPANY	Tihonet Pond: Role of Sediment Phosphorus Flux: Scope of work 2009 MEP Modeling Scenarios of Muddy Creek in Harwich, MA	13,500
CAMP DRESSER AND MCKEE INC		7,500
CAPE COD CRANBERRY GROWERS' ASSOC	Merrimack River Water Quality Analysis	58,814
CH2 M HILL CONSULTING ENGINEERS	White Island Pond: Sediment Phosphorus Flux	41,000
	Alum Treatment at Ashumet Pond	25,833
HARRIS MILLER MILLER & HANSON, INC.	Advanced Water Power: Marine Hydrokinetic Site-Specific Environmental Studies-Environmental Impact Study of Resolute Marine Energy Surge WEC Device	184,489
LOUIS BERGER GROUP, INC	Lawton Brook Survey 2010: Sediment Assessment on Lawton Brook and Associated Wetlands	5,129
MA DEPT OF ENVIRONMENTAL PROTECTION	MEP 2010-2013	372,042
MASHPEE WAMPANOAG TRIBE	Popponesset & Waquoit Bays Water Quality Monitoring Program: Baseline Water Quality Monitoring	8,400
OAK BLUFFS, TOWN OF	MEP Analysis of Sengekontacket Pond	29,500

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FY 2010
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College/Department/PI/Sponsor	Title	Total
OCEAN RENEWABLE POWER COMPANY	Provide Technical Support to ORPC, Inc. as Regards Issues Pertaining but not limited to the Quantification of Velocity Fields and the Collection of Data Supportive of Ocean Current Power Generation	2,000
PLYMOUTH ROCK STUDIOS STAMFORD WATER POLLUTION CENTRAL AUTHORI	Watershed Based Assessment of Nitrogen, Phosphorous & Flow in Eel River	15,000 9,970
SUBSEA ENERGY NORTH AMERICA LLC	Characterization of Tidal Flow within two FERC Permit Areas adjacent First Island and Kendall Head in the Western Passage in addition to Data Collection on Tidal Stage and Bathymetry Three Bays MEP	19,996
THREE BAYS PRESERVATION	Consortium Barnstable Water Quality Monitoring Technical Assistance 2010-2012: WQ	2,500
TOWN OF BARNSTABLE	Scenarios & Technical Assistance	4,999
	Data Collection and Modeling Required for Massachusetts Estuaries Project Linked Watershed-Embayment Nitrogen Management Approach of the Barnstable Harbor and Great Marsh Estuarine System to Support Management and Restoration	189,500
	Technical Assistant for the Town of Barnstable Water Quality Monitoring Program	91,200
TOWN OF CHATHAM	Chatham Water Quality Monitoring Technical Assistance 2009-2011 Pleasant Bay Alliance Water Quality Monitoring Technical Assistance 2009-2011	23,125
TOWN OF DENNIS		27,750 15,000

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FY 2010
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Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
TOWN OF MASHPEE	Laboratory Assays, Supplies & Field Gear for Popponeset & Waquoit Bays Collaborative Water Quality Monitoring	4,880
	Laboratory Assays, Supplies & Field Gear for Popponeset & Waquoit Bays Collaborative Water Quality Monitoring Program	8,400
	Watershed Management of Mashpee's Embayments and Evaluation of Wastewater Effluent Pipline	3,000
TOWN OF NANTUCKET	Town of Nantucket Water Quality Monitoring Technical Assistance	46,800
TOWN OF ORLEANS	Town of Orleans Water Quality Monitoring '09	6,750
TOWN OF PLYMOUTH	Land Use Analysis for MEP Plymouth Harbor Task 1A	25,000
TOWN OF TISBURY	MEP-Assessment & Management Lagoon Pond Estuary - Project: Quantitative Assessment of the Lagoon Pond Estuary with the Towns of Tisbury and Oak Bluffs to support Management and Restoration: Nutrient Loading and Environment Health	10,000
TOWN OF YARMOUTH	Town of Yarmouth - Modeling & Analysis Scenarios for Parkers River Bridgee	2,500
WAMPANOAG TRIBE OF GAY HEAD	Quantitative Assessment of the Squibnocket - Menemsha Pond Estuarine System with the Wampanoag Tribe of Aquinnah and the Towns of Aquinnah & Chilmark in Support of Management and Restoration Nutrient Loading and Environment Health	28,000

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
WESTPORT WATERSHED ALLIANCE	WRWA Scientific Support Services for: Pond Water Quality Monitoring in Westport Point Stormwater Monitoring	13,500
Howes,Brian L. Total		1,296,077
Piiskaln,Cynthia WOODS HOLE OCEANOGRAPHIC INSTITUTION	ECO HAB Cyst/Phase II	99,996
	GOMTOX: Dynamics of A. fundyense distributions in the Gulf of Maine - an observ. & model study of nearshore & offshore shelfish toxicity, vertical toxin flux, & bloom dynamics in a complex shelf sea	341,817
Piiskaln,Cynthia Total		441,813
Sundermeyer,Miles A	LIDAR and Numerical Modeling Studies of Small-Scale lateral disp.in the Ocean	60,240
OFFICE OF NAVAL RESEARCH		60,240
Sundermeyer,Miles A Total		60,240
Estuarine and Ocean Sciences Total		2,458,761
Fisheries Oceanography		
Chen,Changsheng MASS WATER RESOURCES AUTHORITY	Development of a Northern Gulf of Mexico Operational Forecast System	60,000
MISSISSIPPI STATE UNIVERSITY	Development & Validation of a Water Quality Model System for Massachusetts	43,500
MIT SEA GRANT	Coastal Waters Mass Ocean Partnership (MOP)	75,000
UNIVERSITY OF MASSACHUSETTS - BOSTON	Reverse Drift Analysis of the Debris Field from Air France 447 to Estimate the Aircraft's Location	254,250
WOODS HOLE OCEANOGRAPHIC INSTITUTION		20,000
Chen,Changsheng Total		452,750
Cowles,Geoffrey W.	An Assessment of the Tidal Kinetic Energy Resource off the Massachusetts Coast and Potential Impact of Extractions	74,233
MIT SEA GRANT	An Investigation of the Influence of Waves on Sediment Processes in Skagit Bay Using an Unstructured Grid Model	17,717
OFFICE OF NAVAL RESEARCH		17,717
Cowles,Geoffrey W. Total		91,950

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
He,Pingguo		
COMMERCIAL FISHERIES RESEARCH FOUNDATION	Design & Test of an Innovative Large Mesh Whiting Trawl to Reduce Spiny Dogfish Bycatch in the Southern New England Whiting Fishery	82,790
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	New Grid to Reduce Small shrimps an Finfish Bycatch in the Gulf of Maine Shrimp fisher	7,576
UNIVERSITY OF NEW HAMPSHIRE	Design and Test of a Squid Trawl with Raised Footrope Rigging and a Grid Device to Reduce Winter Flounder, Scup and Butterfish Bycatch (SQUIDGRID)	270,768
	Technology Transfer and Further Research of an Alternative Whiting Trawl Design with Large Mesh Belly Window for the Maine Whiting Fishery	181,790
<hr/> He,Pingguo Total		<hr/> 542,924
Rothschild,Brian J		
PARTNERSHIP FOR MID-ATLANTIC FISHERIES	Summer Flounder Research in the Mid-Atlantic Bight	60,000
WOODS HOLE OCEANOGRAPHIC INSTITUTION	A Northeastern Regional Association of Coastal Ocean Observing Systems (NERACOOS)	80,000
<hr/> Rothschild,Brian J Total		<hr/> 140,000
Stevens,Bradley G.		
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	Improving Conservation of New England Whelks	231,601
<hr/> Stevens,Bradley G. Total		<hr/> 231,601
Stokesbury,Kevin D.E.		
GULF OF MAINE RESEARCH INSTITUTE	Monkfish Research Set Aside - Age Validation	55,794
MA DIVISION OF MARINE FISHERIES	DMF ISA Environmental Review Program	20,000
	Monitoring Spawning Behaviour and Movement of Atlantic Cod(Gadus morhua) at an inshore spawning ground in the western Gulf of Maine	103,812

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	Evaluation of Northwest Atlantic Ocean Continental Shelf Substrates	1,391
	New England Multispecies Survey (Massachusetts Marine Fisheries Institute)	2,997,000
	Scallop Fishery Assessment (Massachusetts Marine Fisheries Institute)	999,000
Stokesbury, Kevin D.E. Total		4,176,997
Fisheries Oceanography Total		5,636,222
School for Marine Science & Technology Total		8,094,983
School of Education, Public Policy, and Civic Engagement		
Civic Engagement Roy, Matthew H.	LEADS '10: Leadership for Educational Attainment through Service	46,200
MA SERVICE ALLIANCE Roy, Matthew H. Total		46,200
Civic Engagement Total		46,200
Ctr for School, Comm & Univ Pa		
Crowley, Patricia A.	Buzzards Bay Writing Project	46,000
NATIONAL WRITING PROJECT Crowley, Patricia A. Total		46,000
O'Connor, Karen A.	Connecting Oceans Teacher Academy Content Institutes, Graduate Courses Meetings and COA/STEM Related Network Meetings	6,800
NEW BEDFORD OCEANARIUM		
U.S. DEPARTMENT OF EDUCATION	Southcoast Partnership for the Journey into Education and Teaching SouthCoast Teacher Corps Partnership SouthCoast Teacher Corps. Partnership	360,822 373,380 540,137
O'Connor, Karen A. Total		1,281,139
Ctr for School, Comm & Univ Pa Total		1,327,139
Kaput Center		
Brekka, Maria L.	Developing Algebra- Ready Students for Middle School: Exploring the Impact of Early Algebra	448,028
NATIONAL SCIENCE FOUNDATION Brekka, Maria L. Total		448,028
Hegedus, Stephen J.		

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
TOWN OF DARTMOUTH	Evaluation of the Implementation of the Smaller Learning Communities Program at Dartmouth High School	20,500
Hegedus,Stephen J. Total		20,500
Orrill,Chandra H		
NATIONAL SCIENCE FOUNDATION	Does It Work: Building Methods to Understand the Effects of Professional Development	186,417
SAN DIEGO STATE UNIVERSITY	Diagnosing Teachers' Multiplicative Reasoning	21,090
Orrill,Chandra H Total		207,507
Kaput Center Total		676,035
Policy Studies		
Goodman,Michael	Feasibility Study for DOD Schools for School-aged Dependents in Hawaii	
DONAHUE INSTITUTE		114,101
Goodman,Michael Total		114,101
Policy Studies Total		114,101
SEPPCE		
Roy,Matthew H.		
CORP FOR NATIONAL AND COMMUNITY SERVICE	Building on the Promise	473,437
Roy,Matthew H. Total		473,437
SEPPCE Total		473,437
School of Education, Public Policy, and Civic Engagement Total		2,636,912
Academic Affairs		
ARC - Daigle,Thomas		
Daigle,Thomas J.	Academic Resource Center	
U.S. DEPARTMENT OF EDUCATION		412,402
Daigle,Thomas J. Total		412,402
ARC - Daigle,Thomas Total		412,402
Division of Continuing Educatn		
Pacheco,Melissa	Community Arts Project	
DOMINION FOUNDATION		10,000
Pacheco,Melissa Total		10,000
Division of Continuing Educatn Total		10,000
Office of the Provost		
Garro,Anthony J.	Louis Stokes Alliance for Minority Participation (LSAMP)	
UNIVERSITY OF MASSACHUSETTS - BOSTON		82,305
Garro,Anthony J. Total		82,305
Office of the Provost Total		82,305
Academic Affairs Total		504,707
Library		
Upward Bound Department		
Ramos,Wayne	Community Grants Program	
BEST BUY CHILDREN'S FOUNDATION		9,000

University of Massachusetts Dartmouth
 FY 2010
 Report of New Awards, Continuations and Supplements
 Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
U.S. DEPARTMENT OF EDUCATION	Upward Bound Program	408,147
Ramos, Wayne Total		417,147
Upward Bound Department Total		417,147
Library Total		417,147
Office of the Chancellor		
Advanced Technology & Manufacturing Center		
Mackenzie, Keith A	Coordination Services For the New England Transportation Consortium 2010	
NEW ENGLAND TRANSPORTATION CONSORTIUM		134,809
Mackenzie, Keith A Total		134,809
Chen-Lu Yang		
Electrochem	SEM Analysis	240
		240
Engineered Yarns	SEM Analysis	480
GreatPoint Energy	Blanket SEM services	4,000
Matrix Inc.	SEM Analysis	750
Morgan Advanced Ceramics	SEM Analysis	240
Phosphorex, Inc.	Liquid Nitrogen Service	80
Chen-Lu Yang Total		6,030
Ed Spring		
BTech Acoustics	Fabricate Masses	90
	Fabricate Transducer Cap	120
Engineered Yarns	Fabricate Crucible Centering Device and Cap	320
	Fabricate Crucible Double Extruder Tip	975
	Fabricate Double Face Tip	340
	Fabricate One Polymer Chute	110
Mike Brodeur	Fabricate Tab, Trilobular Cap, Crucible Body Modify Crucible Caps Fabricate End Panels for Rain Deflector	155
	Generate Solid Models and Technical Drawings for the Window Water Deflector	200
Ed Spring Total		2,640
Jane Staples		
A & A Search	Data Conversion Engineer	6,900
GreatPoint Energy	Intern Support Team	16,436
International Compliance Systems	Provide intern support to: -Learn to develop code for applications in HTML, XML and Java -Work with Application Developers to design, code, and test applications	1,440

University of Massachusetts Dartmouth
FY 2010
Report of New Awards, Continuations and Supplements
Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
Mass Life Sciences	Provide Intern Opportunities	28,800
	Develop a human computer interface/display concepts in support of Improved Torpedo Acquisition (ITA) program	
MIKEL Inc.		5,000
	Develop an artistic rendition of a story depicting an adaptable submarine system in the year 2030	1,385
Jane Staples Total		59,961
John Davis		
ASFT	Droid Project	23,000
	Technical and Program Support	
OceanServer		60,000
John Davis Total		83,000
Keith Mackenzie		
OceanServer	Various Coastal Systems Technology Projects	77,970
Keith Mackenzie		
Alicia Arnold	Patent and Manufacturing Study for Food Storage Container Design Development for Toothpaste Dispenser Prototype	250
Anthony Patterson		480
	Provide assistance to the engineers in the Department of Infrastructure with data entry and database improvements of the city's GIS information	
City of New Bedford		15,302
Clean Energy Innovations	Graduate Intern Support	66
Jonathan Antonucci	Prototype Development of "Squat Rite" Physical Therapy Device	2,150
Matrix, Inc.	Microwell Measurements	800
Keith Mackenzie Total		97,018
Bernie Nolan		
William Bennett	"Wheel Watcher" Prototype	8,000
Bernie Nolan Total		8,000
Ed Spring		
William Bennett	"Wheel Watcher" Virtual Product Artwork	240
Ed Spring Total		240

University of Massachusetts Dartmouth
 FY 2010
 Report of New Awards, Continuations and Supplements
 Includes Research, Training and Other Sponsored Activities

College/Department/PI/Sponsor	Title	Total
Jane Staples Brooke Ocean Technology	Summer intern 2009	4,600
Jane Staples Total		4,600
Walaa Mogawer All States Asphalt Inc.	HSRC Testing Services	15,150
Walaa Mogawer Total		15,150
Advanced Technology & Manufacturing Center Total		411,448
Economic Development		
Vigeant,Paul L	Southcoast Development Partnership	25,000
MASS. OFFICE OF BUSINESS DEVELOPMENT Vigeant,Paul L Total		25,000
Economic Development Total		25,000
Marine Renewable Energy Center		
Miller,John Richard	Marine Renewable Energy Center	951,500
U.S. DEPARTMENT OF ENERGY Miller,John Richard Total		951,500
Marine Renewable Energy Center Total		951,500
Office of the Chancellor Total		1,387,948
Student Affairs		
Counseling Services		
Frizzell,D Christine City of New Bedford	Southcoast Compeer	7,500
Frizzell,D Christine Total		7,500
Counseling Services Total		7,500
Student Affairs Total		7,500
		20,042,054