

**Worcester Polytechnic Institute
Report of Awards Received
June 2006**

Department	PI	Co-PI	Project Title	Sponsor	Total Awarded	Cost Sharing
Academic Affairs	Lance Schachterle	Calvin Hill	LSAMP-Northeast Alliance for Minority Participation in Undergrad Ed in Science, Math, & Engineering	University of Massachusetts Amherst	\$75,000.00	\$77,777.00
Biology and Biotechnology	Eric Overstom		Digit Regeneration in Mammals	CellThera, Inc.	\$631,166.00	\$61,288.00
Chemical Engineering	Anthony Dixon		Catalyst Design and Detailed Modelling for Fixed Bed Reactors Using CFD	Johnson Matthey Catalysts	\$33,260.00	\$0.00
	Yi Hua Ma		Ultra Thin Pa & Pd/Alloy Membranes for Hydrogen Separation and Reaction Applications	SHELL International Exploring & Production, Inc.	\$476,981.00	\$0.00
Chemistry and Biochemistry	Jose Arguello		Structure-Function of Heavy Metal Transport CPx-ATPases	National Science Foundation	\$6,750.00	\$0.00
Civil and Environmental Engineering	Malcolm Ray		Analytical Crash Simulation	National Highway Traffic Safety Administration	\$400,000.00	\$0.00
Computer Science	Craig Wills		CSR-PDOS: Virtual Machines Meet Application Clusters: A Highly Responsive Global Utility Computing Platform for Internet Applications	National Science Foundation	\$238,380.00	\$0.00
Electrical and Computer Eng'g.	Berk Sunar		A Hardware Software Co-Design Approach for Flexible Cryptography	Intel Corporation	\$87,278.00	\$0.00
	Brian King		Graduate Student Support, Curtis Colonero, Lincoln Scholars Program	Massachusetts Institute of Technology	\$8,468.00	\$0.00
	John McNeill		Device Damage During Electrical Test	Teradyne, Inc.	\$953.00	\$0.00
Fire Protection Eng'g.	Kathy Notarianni	Jonathan Barnett	Firefighter Safety / Deployment of Resources	Commission on Fire Service Accreditation Int'l.	\$273,597.00	\$0.00
Management	Arthur Gerstenfeld		South Africa: The Engine of Growth in Africa	Department of Education	\$98,487.00	\$60,140.00

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Mathematical Sciences	Dalin Tang	MRI-Based Computational Modeling for Carotid Plaque Rupture and Stroke	Department of Health & Human Services	\$258,276.00	\$8,973.00
	Homer Walker	Algorithms and Software for C-SAFE	University of Utah	\$21,875.00	\$0.00
	Vadim Yakovlev	Modeling Based Optimization of Microwave Heating	The Ferrite Company, Inc.	\$87,695.00	
Mechanical Engineering	Gretar Tryggvason Asghar Esmaeeli	Studies of Forced Convection Boiling	National Aeronautics & Space Administration	\$131,585.00	\$0.00
Total June 2006 (16 Awards)				\$2,829,751.00	\$208,178.00