

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

Department	PI	Co-PI	Project Title	Sponsor	Awarded	Cost Sharing
Academic Affairs	Martha Cyr		Collaborative Research: A Comprehensive Pathway for K-Gray Engineering Education	National Science Foundation	\$67,464.00	\$20,244.00
	Martha Cyr		Learning Communities for Middle School Math	Mass. Department of Education	\$35,633.00	\$0.00
Biology and Biotechnology	Joseph Duffy		Analysis of LIG Molecules: a Novel Class of Signal Transduction Modulators	National Science Foundation	\$82,065.00	\$0.00
Biomedical Engineering	Christopher Sotak		Development of MRI Techniques for Imaging Stroke in Animal Models	Department of Health & Human Services	\$4,276.00	\$2,198.00
Chemistry and Biochemistry	Robert Connors		Preparation of Supramolecular Materials That Generate, Trap, and Release Singlet Oxygen	Ventana Research Corporation	\$21,117.00	\$0.00
Computer Science	Elke Rundensteiner	Neil Heffernan	SGER: K12 Outreach via Research Exposure	National Science Foundation	\$99,457.00	\$0.00
Electrical and Computer Eng'g.	Wenjing Lou		NeTS-NBD:COLLABORATIVE RESEARCH: UPASS - An Attack-Resilient Security Architecture for Wireless Mesh Networks	National Science Foundation	\$80,246.00	\$8,973.00
Fire Protection Eng'g.	Jonathan Barnett		Enhancements to the FDS Software's Utility for Low Energy Fire Modeling	Vision Fire and Security PTY Ltd.	\$40,723.00	\$0.00
Management	Erwin Danneels		A Panel Study of R&D and Marketing Second-Order Competences	National Science Foundation	\$212,544.00	\$0.00
Mathematical Sciences	Christopher Larsen		Variational Methods for Material Damage: Fracture, Fatigue, and Debonding	National Science Foundation	\$79,350.00	\$0.00
Mechanical Engineering	Gretar Tryggvason		Direct Numerical Simulations of Nucleate Flow Boiling	Department of Energy	\$320,000.00	\$0.00
	John Sullivan		Alternative Breast Cancer Imaging Modalities	Department of Health & Human Services	\$43,029.00	\$0.00
	Qingyue Pan	Diran Apelian	High Integrity Magnesium Automotive Castings (HI-MAC)	U.S. Automotive Materials Partnership (USAMP)	\$112,500.00	\$100,000.00
Minority Affairs	Calvin Hill		Factors Influencing Career Development of Underrepresented Students and Students with Disabilities Pursuing STEM Careers	National Science Foundation	\$5,400.00	\$11,657.00
Total for August 2006 (14 awards)					\$1,203,804.00	\$143,072.00