

Worcester Polytechnic Institute
Report of Awards Received
January 2006

Department	PI	Co-PI	Project Title	Sponsor	Awarded	Cost Sharing
Chemical Engineering	Anthony Dixon		Connecting Catalytic Chemistry to External Particle Conditions Via Computational Fluid Dynamics	American Chemical Society	\$119,906.00	\$34,157.00
	Jennifer Wilcox		An Ab Initio Investigation of Heterogeneous Mercury Kinetics with Bromine-Embedded Surfaces	Environmental Protection Agency	\$10,000.00	\$0.00
Chemistry and Biochemistry	Jose Arguello		Structure-Function of Heavy Metal Transport CPx-ATPases	National Science Foundation	\$172,920.00	\$0.00
Electrical and Computer Eng'g.	Berk Sunar		A Hardware Software Co-Design Approach for Flexible Cryptography	Intel Corporation	\$84,736.00	\$0.00
Gordon Library	Rodney Obien		Preservation of Robert Fellman-Charles Dickens Collection	National Endowment for the Humanities/Natl. Fndn. on the Arts & Humanities	\$3,887.00	\$1,998.00
Mathematical Sciences	Arthur Heinricher	Bogdan Vernescu, Suzanne Weeks	Focus on Mathematics: Creating learning Culture for High Student Achievement	Boston University	\$84,631.00	\$0.00
	Vadim Yakovlev		Neural-Networks-Based FDTD-Backed Computational Schemes for Microwave Inverse Problems and Optimization	EADS Fondation d'Entreprise	\$270,970.00	\$0.00
Mechanical Engineering	Diran Apelian		Materials and Process Design for High-Temperature Carburizing: Integrating Processing and Performance	Department of Energy	\$114,784.00	\$0.00
	Hamid Johari		Interaction of an Inflated Parachute Canopy with Upstream Vortices	Army Research Office	\$72,699.00	\$0.00
	Hamid Johari		Separation Control by Surface Deformable Actuators	Office of Naval Research	\$21,619.00	\$10,381.00
	Yiming Rong	Rick Sisson	An Energy Savings Model for the Heat Treatment of Castings	Department of Energy	\$165,534.00	\$0.00
Totals for January 2006 (11 awards)					\$1,121,686.00	\$46,536.00