

Report of Proposals
For the Month of June

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY AND BIOTECHNOLOGY	Robakiewicz, P. * Rulfs, J. * Whitefleet-Smith, J.	NSF	The Studio Laboratory: Integrating Lecture, Simulation and Practice in Biology	\$161,853
	Tyler, J. *Rulfs, J.	MIT	Accessing the Environmental Quality of Georges Bank with Fish Growth and Growth Rate Potential	\$143,738
CHEMICAL ENGINEERING	Ribeiro, F.	DOE	Complete Oxidation of Methane on Palladium	\$20,000
	Camesano, T. *Crusberg, T.	EPA	Nanoscale Characterization of Pathogenic and Non-Pathogenic Bacterial Surfaces and their Potential for Transport in Porous Media	\$436,161
	Datta, R. *Ma, Y. *Tryggvason, D.	NSF	Multidisciplinary Graduate Training Program in Fuel Cell Energy Systems	\$2,696,629
	Ma, Y. *Dixon, A. *Datta, R.	CO ₂ Capture Program	A Study of Commercially viable Membrane Reactor for Water Gas Shift Reaction for CO ₂ Capture	\$799,229

CIVIL AND ENVIRONMENTAL ENGINEERING	Ray, M. *Weir, J.	ATSSA	ATSSA Guardrail Instillation Training Course	\$17,876
COMPUTER SCIENCE	Claypool, M. *Wills, C. *Finkel, D.	NSF	Materials for Teaching Systems Courses with Open Source Projects	\$149,684
ELECTRICAL AND COMPUTER ENGINEERING	Brown, D.	NSF/USDOT	Position and Velocity Tracking of Mobile Users in Cellular Communication Systems	\$99,937
FIRE PROTECTION ENGINEERING	Barnett, J.	NIST	Characterizing the Entry Resistance of Smoke Detectors	\$106,393
INSTRUCTIONAL MEDIA CENTER	Turgeon, P. *Tryggvason, G. *Lowenstein, A.	DOE	Manufacturing Our Future: A Responsive Workforce Learning	\$1,143,394
MANAGEMENT	Johnson, S. * Zeng, A. * Zhu, J.	NSF	Using Discovery-Based Learning to Explore the Lean Design of Global Supply Chains	\$163,653

MATHEMATICAL SCIENCES	Lurie, K. * Vernescu, B. * Weekes, S.	Council for Int'l. Exch. of Scholars	Fostering Connections Between WPI and the Technical University of Denmark (DTU) Through the Faculty and Student Exchange...	\$20,000
MECHANICAL ENG'G.	Demetriou, M.	NSF	A Multidisciplinary Control Laboratory	\$63,000
	Hermanson, J.	NSF	Disruption and Vaporization of Superheated Droplets in Compressible Flow	\$10,000
	Pryputniewicz, R. *Furlong, C.	BWXT-Pantex	Study of Viability of an Integrated MEMS Sensor	\$1,413,998
	*CPI		TOTAL	\$7,445,545