

Individual Research Grants and Contracts

**Received August 31 through October 12, 2005;
Accepted by the Board of Trustees October 21, 2005**

Asmussen, Jes; \$30,371; Fraunhofer Research Center for Coating and Laser Applications; Fraunhofer USA

Ayres, Virginia M; \$12,000; Resilient Nanoscale Electronics for Space Applications; Muniz Engineering

Ayres, Virginia M; \$24,000; Radiation Resiliency in Reduced Dimensionality Systems; NASA

Peng, Fang Zheng; \$600,000; ZLERI-MSU Power Electronics Research Center; Zhuzhou Times Electric Group

Radha, Hayder; \$78,697; Network Channel Coding for Packet Video; NSF

Salem, Fathi M; \$11,933; Modeling and Simulation of Noisy Environments for Speech Recognition Systems; IC Tech Inc

Tan, Xiaobo; \$27,084; SGER: A Control-Oriented Model for Ionic Polymer-Metal Composite Actuators; NSF

Udpa, Satish; **Udpa, Lalita**; \$70,070; Evaluation of Terahertz Imaging Data; NASA

Xi, Ning; \$20,000; Research and Development Service; ABB Automation, Inc

Individual Research Grants and Contracts

Received October 13 through November 18, 2005
Accepted by the Board of Trustees December 9, 2005

Aslam, Dean M; Electrical & Computer Engineering; **Kempel, Leo C; Mason, Andrew J; Pierre, Percy A;** \$407,620; Wireless Integrated Microsystems; University of Michigan

Asmussen, Jes; Electrical & Computer Engineering; \$23,138; Fraunhofer Research Center for Coating and Laser Applications; Fraunhofer USA

Asmussen, Jes; Electrical & Computer Engineering; \$49,735; Fraunhofer Research Center for Coating and Laser Applications; Fraunhofer USA

Kanatzidis, Mercouri; Chemistry; **Hogan, Tim; Shih, Tom; Schock, Harold; Mahanti, S D;** \$394,452; Development and Application of High Efficiency Thermoelectric Materials for Power Generation; US Department of Navy

Kanatzidis, Mercouri; Chemistry; **Hogan, Tim; Shih, Tom; Schock, Harold; Mahanti, S D;** \$417,334; Development and Application of High Efficiency Thermoelectric Materials for Power Generation; US Department of Navy

Peng, Fang Zheng; Electrical & Computer Engineering; \$18,500; Fabricate High Performance Single Domain Melt-Textured Monoliths; Argonne Natl Laboratory

Schock, Harold; Mechanical Engineering; **Hogan, Tim; Peng, Fang Zheng; Case, Eldon D; Kanatzidis, Mercouri;** \$288,643; Thermoelectric Conversion of Waste Heat to Electricity in an IC Engine Powered Vehicle; US Dept of Energy

Shanblatt, Michael A; Electrical & Computer Engineering; \$40,273; Efficient, Sensorless BLDC Motor Controller/ General Purpose Inverter with Power Factor Correction; Texas Instruments Inc