

## FUNDED GRANTS

Knott, Libby (Co-PI), Brown, Shane (PI). \$398,353. Longitudinal Study of Conceptual Change. NSF: EEC. 8/15/2010 – 7/31/2013.

Panchenko, Alexander. \$11,000. Fast Algorithms Exploratory Analysis Data of Large Evolving Data Sets. Battelle: PNNL. 8/5/2010 – 9/30/2010.

Li, Haijun. \$123,798. AMC-SS: Asymptotic Analysis of Extreme Risks with High-Dimensional Tail Dependence Modeling. NSF: DMS. 8/1/2010 – 7/31/13.

Vixie, Kevin and Asaki, Tom. \$1,200,000. Geometric Analysis for Data Reduction and Structure Discovery. DOE: Office of Science, Applied Mathematics Program. 5/15/2010 – 5/14/2013. Joint proposal with University of Colorado, Duke University, and University of Idaho. WSU Portion: \$595,264.

Vixie, Kevin and Asaki, Tom. \$245,963. The Flat Norm for Shapes and Images. NSF: DMS. 9/1/2009 – 8/30/2012.

Panchenko, Alexander. \$14,700. PNNL Contract. Battelle: PNNL. 6/17/2009 – 9/30/2009.

Vincent, Kimberly. \$13,079. Washington Mathematics Case Study Project. EWU. 6/1/2009 – 7/31/2009.

Ariyawansa, Kuruppu. \$237,694. Stochastic Semidefinite Programming Applications and Algorithms. DOD: Army. 9/26/2008 – 9/25/2011.

Hudelson, Matt (Co-PI), Jones, Jeffrey (PI). \$961,064. Predicting Rates and Regioselectivity in Cytochrome P450 Mediated Reactions. NIH. 9/10/2008 – 6/30/2011.

Hudelson, Matt (Co-PI), Brown, Shane (PI). \$99,521. A National Model for Engineering Mathematics Education. Wright St. Univ., NSF: CCLI. 8/1/08 – 7/31/12.

Li, Haijun. \$154,063. Reliability Analysis of Spatial Systems with Local Interactions. NSF-CMMI. 7/1/2008 – 6/30/2011.

Wollkind, David and Dillon, Robert. \$23,967. Pacific Northwest Conference on Comprehensive Mathematical Modeling in the Natural and Engineering Sciences. NSF: DMS. 7/1/2008 – 6/30/2009.

Mifflin, Robert. \$99,999. Exploiting Explicit and Implicit Structure in complex Optimization Problems. DOD: Air Force. 12/1/2007 – 11/30/2010.

Mifflin, Robert. \$131,451. Exploiting Natural Structure of Functions in Optimization. NSF: DMS. 8/15/2007 – 7/31/2011.

Yin, Hong-Ming (Co-PI), Tang, Juming (PI). \$829,825.58. Microwave Sterilization for Meal Ready-to-Eat Rations in Pouches. DOD: Army. 7/26/2007 – 7/31/2011.

Vincent, Kimberly. \$30,000. Washington Mathematics Case Study Project. EWU. 5/15/2007 – 9/30/2008.

Vincent, Kimberly. \$78,598. Mathematics Case Study Project. OSPI. 4/1/2007 – 9/30/2009.

Gomulkiewicz, Richard. \$905,000. UBM: Foundation in mathematical biology through interdisciplinary research, training, and curriculum development. NSF: EF. 9/15/2005 – 8/31/2011.

Panchenko, Alexander. \$1,000,093. Educational Strategies and Critical Problems in Thermo-mechanics of Materials Northwest Consortium for Multiscale Mathematics and Applications. DOE: Office of Science, Applied Mathematics Program. 9/1/2005 – 8/31/2009. Co-PIs: Ben Li, Sinisa Mesarovic, Hussein Zbib.

Khapalov, Alexander. \$96,534. Controllability for Swimming Phenomena. NSF: DMS. 7/15/2005 – 6/30/2009.

Genz, Alan. \$67,688. QEIB: Statistical Modeling and Simulation for Non-Neutral Population Models. UI: NSF. 7/1/2005 – 7/31/2009.

Manoranjan, V. S. \$153,860. Advanced Lead Acid Battery Development for Military Vehicles. UI: DOD. 5/21/2004 – 5/21/2008.