

**COLLEGE OF WILLIAM AND MARY**  
**SPONSORED PROGRAM AWARDS**  
**FISCAL YEAR, 2010**

**SCHOOL OF ARTS AND SCIENCES**

- Allen, Jonathan D., "Predator Induced Trans-generational Plasticity in a Marine Snail," Jeffress Memorial Trust, \$20,000
- Allison, Lizabeth A., "Mechanisms Regulating Subcellular Distribution of the Thyroid Hormone Receptor," National Science Foundation, \$150,000
- Allison, Lizabeth A., "Teacher Education Scholarship 2009-10 with Robin Shaulis," Virginia Space Grant Consortium, \$1,000
- Armstrong, David, "Parity-Violating Electron Scattering," National Science Foundation, \$330,000
- Armstrong David, "2009-2010 JSA Graduate Fellowship Program with Graduate Student John Leckey," Jefferson Science Associates, LLC, \$10,250
- Aubin, Seth A., "Ultra-cold Fermion Atomic Clock for Deep Space Navigation," Old Dominion University Research Foundation, \$10,000
- Aubin, Seth A., "2010 SURF with Undergraduate Student Brian Richards," National Institute of Standards and Technology, \$7,815
- Aubin, Seth A., "Fermion Interferometry," Jeffress Memorial Trust, \$25,000
- Bailey, Christopher M, "Understanding the Blue Ridge-Great Valley Boundary: Bedrock and Surficial Geologic Mapping of the Elkton East 7.5' Quadrangle, Virginia," United States Geological Survey, \$27,817
- Barnard, Timothy, "Research in Franco-American Film Relations and History, French Reception of Hollywood Cinema in the 1920's," Council for International Exchange of Scholars
- Beck, Ruth A., "Monitoring and Protection of Endangered & Threatened Avian Species during the 2009 Nesting Season on Craney Island Dredge Material Management Area, Portsmouth, VA," U.S. Army Corps of Engineers, \$25,000
- Beck, Ruth A., "Monitoring and Protection of Endangered and Threatened Avian Species," U.S. Army Corps of Engineers, \$25,000
- Benner, D C., "Quantifying the 890 nm Band of Methane," National Aeronautics and Space Administration, \$102,288
- Berquist, Jr. Carl R., "Geologic Mapping in the Surry and Providence Forge Areas of Virginia," Virginia Department of Mines, Minerals and Energy, \$6,500
- Bolotnikov, Vladimir, "Topics in Interpolation," National Science Foundation, \$103,843
- Burk, Joshua A., "Aging, Acetylcholine and the Hypothalamus," National Institutes of Health, \$61,920
- Carlson, Carl E., "Research in theoretical Hadronic Physics and Related Topics," National Science Foundation, \$285,000
- Carone, Christopher, "Topics in Particle Theory," National Science Foundation, \$60,000
- Chambers, Randolph M., "FCELTHER II: Coastal Oligotrophic Ecosystems Research," National Science Foundation, \$28,659
- Charity Hudley, Anne H., "Research Starter Grant: An Examination of Effective Methods of Communicating About Language Variation to Educators," National Science Foundation, \$50,000

Chrisochoides, Nikos, "AF: Small: A Novel Algorithmic Approach for Real-Time Image-to-Mesh Conversion of Brain MRI," National Science Foundation, \$500,000

Cooke, William E., "The Chesapeake Algae Project "CHAP" Phase 1A," StatoilHydro ASA, \$235,000

Cristol, Daniel A., "International Mercury Expo: Theatre Outreach," Virginia Commission for the Arts, \$4,000

Day, Sarah L. "CAREER: Computational Dynamics and Topology," National Science Foundation, \$472,000

Del Negro, Christopher A., "Interrogating Central Circuits with Laser Ablation: Studies in the mammalian respiratory oscillator," National Institutes of Health, \$15,979

Del Negro, Christopher A., "Evaluating Dbx1-Derived Neurons as the Core Rhythm Generator in Mammalian Respiration with Graduate Student Maria Cristina Picardo," National Institutes of Health, \$26,555

Delos, John B., "Order and Chaos in Classical and Quantum Mechanics," National Science Foundation, \$80,000

Delos, John B., "Neonatal Apnea: Online Risk Score from New Analysis of Bedside Monitor Waveforms," National Institutes of Health, \$144,273

Detmold, William, "Multi-meson Systems in Lattice QCD," U.S. Department of Energy, \$103,300

Duerr, Adam E., "Adaptive Management of Black Vultures at Dutch Gap," U.S. Department of Agriculture, \$31,812

Eisele, John C., "Teaching Arabic Variation: Developing language resources for integrating Modern Standard Arabic and Arabic dialects," U.S. Department of Education, \$132,088

Engstrom, Eric M., "Comparative Genomics Investigation of Ethylene Biosynthesis in Basal Plant Lineages: Groundwork for Forward Enetic Analysis of Ethylene Signaling in Selaginellacene," Jeffress Memorial Trust, \$20,000

Finn, John M., "Graduate Student Research Assistantship with Graduate Student Josh Hoskins, Jefferson Science Associates, LLC, \$6,125

Forsyth, Mark H., "Signal Transduction Networks in the Gastric Pathogenic Bacterium *Helicobacter Pylori*," National Institutes of Health, \$208,613

Galano, Joseph B., "FY 2010 Healthy Families Virginia Evaluation Project to Prevent Child Abuse," Virginia, \$175,308

Gallivan, Martin D., "Archaeological Research on the Pamunkey Indian Reservation with Graduate Student Ashley Atkins," Society for American Archaeology, \$10,000

Grayson, George W., "La Familia Drug Cartel," Strategic Studies Institute, \$10,275

Griffin, John D., "The Responses of Thermoregulatory Neurons to CGRP," National Institutes of Health, \$214,500

Griffin, John D., "Characterization of Noradrenergic Thermogenic Input to the Hypothalamus," National Institutes of Health, \$205,900

Griffioen, Keith A., "Nucleon Structure Studies," U.S. Department of Energy, \$139,000

Griffioen, Keith A., "Graduate Student Research Assistantship for Graduate Student Christopher Tennant," Thomas Jefferson National Accelerator Facility, \$7,125

Griffioen, Keith A., "W&M/Jlab Joint Appointment of a Detector Engineer," Jefferson Science Associates, LLC, \$50,000

Hamilton, Stuart E., "GIS Campus Map," College of William & Mary, \$18,560

Hamilton, Stuart E., "Creating a Digital Repository of Campus Building Footprints: Phase 1," College of William & Mary, Facilities Planning, Design & Construction, \$33,000

Hancock, Gregory S., "Collaborative Research: The Effects of Weathering on Bedrock Channel Erosion and Form," National Science Foundation, \$98,606

Hancock, Gregory S., "Assessing the Rate of Relief Change in Shenandoah Nat'l Park: Using <sup>10</sup>Be to Obtain Bare-bedrock Erosion Rates on Summits & Fluvial Erosion Rates," United States Geological Survey, \$25,000

Haug, Matthew C., "Methodology and Metaphysics in the Sciences of the Mind (Scholars Award)," National Science Foundation, \$137,297

Heideman, Paul D., "Recruitment, Preparation, and Retention of Math and Science Teachers: Noyce Scholars Program at the College of William and Mary," National Science Foundation, \$137,672

Hinders, Mark K., "Simulations of Non-linear Acoustic Scattering for CWEDD," Applied Research Associates, Inc., \$30,000

Hinders, Mark K., "Trapped Charge Sensor," SPAWAR Systems Center Atlantic, \$24,500

Hinkle Robert J., "Tuning Oxocarbenium Ion and Acyl Iminium Ion Reactivity and Stereoelectronics," National Science Foundation, \$340,622

Hoffman, Ronald, "The Charles Carroll of Carrollton Papers," National Historic Publications and Records Commission, \$25,000

Hoffman, Ronald, "The Charles Carroll of Carrollton Family Papers," Charles Carroll of Carrollton Foundation, \$110,904

Ivanova, Maria, "Global Environmental Governance (GEG) Forum: Moving Forward by Looking Back," Government of Switzerland Federal Office for the Environment, \$49,973

Ivanova, Maria, "Global Environmental Governance (GEG) Forum: Moving Forward by Looking Back," Germany, \$16,240

Kaste, James M., "Collaborative Research: Quantifying Feedbacks between Ground Water Decline, Wind Erosion, and Ecological Change in Desert Vegetation," National Science Foundation, \$86,870

Kaste, James M., "Effects of Dams on Watershed Fragmentation and Riparian Disconnectivity," National Science Foundation, \$9,928

Kaste, James M., "Measuring the Effective Thickness of Riparian Buffer Strips for Contaminant Trapping in the James and York River Watersheds," Virginia Environmental Endowment, \$2,900

Kelley, Michael J., "State Reimbursement for Nanotech MS Program," University of Virginia, \$10,000

Kerscher, Oliver P., "Administrative Supplement (ARRA) to "The Role of the SUMO Protease Ulp1 in Cell Cycle Progression." National Institute of General Medical Sciences, \$40,512

Kincaid, Rex K., "Planning Optimal and Implementable Schedules of Airport Configurations and Operating Points in a Stochastic Dynamic System," Mosaic ATM, \$25,890

Kordosky, Michael A., "Precision Measurements of Neutrino Interactions to Enhance Neutrino Oscillation Searches," Jeffress Memorial Trust, \$10,000

Kossler, William J., "Physics Research Experiences for Undergraduates," National Science Foundation, \$78,000

Krakauer, Henry K., "Predictive Capability for Strongly Correlated Systems: Mott Transition in MnO, Multielectron Magnetic Moments, and Dynamic Effects in Correlated," U.S. Department of Energy, \$40,400

Krakauer, Henry K., "First-Principles Computational Studies of Piezoelectric Materials," Office of Naval Research, \$20,968

Krakauer, Henry K., "A Virtual Laboratory for the First-Principles Design of Piezoelectrics for Transducers," Office of Naval Research, \$135,455

Krakauer, Henry K., "Quantum Monte Carlo Calculations of Chemical Binding and Reactions" U.S. Department of Energy, \$271,926

Kranbuehl, David E., "Characterization of Coating Cure and Dielectric Properties," Coatings Technology Ltd., \$4,000

Kranbuehl, David E., "Characterizing the Effects of CO2 on Polyamide Chain Scission," Force Technology, \$38,476

Kranbuehl, David E., "Characterization of New Materials for Offshore Pipelines for the Transport of Oil and Gas," Intelligent Decisions, \$29,095

Leu, Matthias, "The Human Footprint of the Eastern United States," Virginia Space Grant Consortium, \$10,000

Lewis, Robert M., "Optimization Algorithms for Hierarchical Problems with Application to Nanoporous Materials," U.S. Department of Energy, \$17,846

Li, Qun, "Efficient Protocol Design for RFID Systems," National Science Foundation, \$199,997

Li, Chi-Kwong, "COLLABORATIVE RESEARCH: Problems in Quantum Error Correction and Quantum Control," National Science Foundation, \$44,500

Li, Chi-Kwong, "COLLABORATIVE RESEARCH: Mathematical Aspect of Quantum Information Science," National Science Foundation, \$48,531

Liskov, Moses D., "CAREER: Principles of Design in Symmetric Cryptography," National Science Foundation, \$104,145

Liskov, Moses D., "Principles of Design in Symmetric Cryptography: Travel Grant for Graduate Student David Goldenberg," National Science Foundation, \$6,000

Looft-Wilson, Robin C., "Regulation of eNOS by Shear Stress in Intact Arteries," National Institutes of Health, \$207,369

Luepke, Gunter, "Dynamics of Local Vibrational Modes in Semiconductors," National Science Foundation, \$118,510

Luepke, Gunter, "Hydrogen-Bond Specific Materials Modification in Group IV Semiconductors," Vanderbilt University, \$50,000

Luepke, Gunter, "Controlling Spin Dynamics in Ferromagnetic Si Tunnel Diodes and III-V Nanostructures Using Electric Fields and Pulse Shaping," Office of Naval Research, \$50,000

Lukaszew, Rosa A., "Plasmon Resonances and Metal-Insulator Transitions in Highly Correlated Thin Film Systems," National Science Foundation, \$429,664

Lukaszew, Rosa A., "Development and Characterization of Thin Film SRF Surfaces for Accelerator Cavities TJNAF (Jefferson Lab)," Jefferson Science Associates, LLC, \$461,000

Lukaszew, Rosa A., "Grandis-DARPA STT-RAM Phase 1," Grandis, Inc., \$38,333

Lukaszew, Rosa A., "Investigation of Proof-of-Principle Test Samples of Thin Multi-layer Superconductor/insulator/superconductor (SIS) Systems Capable of Sustaining Large Field Gradients," Defense Threat Reduction Agency, \$1,050,000

Lukaszew, Rosa A., "VMEC Program Virginia Microelectronics Exchange Consortium," \$4,000

Macdonald, R. Heather, "The Role of Two-year Colleges in Education and Broadening Representation in the Geosciences: A Planning Workshop," National Science Foundation, \$16,000

Malyarenko, Dariya I., "Enhancement of MS Signal Processing Toward Improved Cancer Biomarker Discovery," National Institutes of Health, \$149,282

McCartan, Anne-Marie, "Collaborative Research: The CCAS ADVANCE Initiative: Promoting Institutional Transformation through a National Dean's Association," National Science Foundation, \$40,224

Mellor, Jennifer M., "Assessing Physical Activity in the Classroom in the Wellness Integration Program," Williamsburg/James City County Public Schools, \$17,282

Nelson, Scott R., "The First Great Depression: The Panic of 1873 and Its Aftermath," Newberry Library, \$50,400

Nelson, Jeffrey K., "Precision Measurements of Neutrino Oscillations and Interactions," National Science Foundation, \$900,000

Nelson, Jeffrey K., "MRI: Collaborative Proposal for Development of Nuclear Targets and Calibration Systems for the MINERvA Neutrino Experiment," National Science Foundation, \$36,656

Novikova, Irina B., "Highly Efficient Photon-matter Interfaces for Quantum Information Applications," National Science Foundation, \$4,975

Oakes, Amy C., "The Proliferation Paradox: How Efforts to Reduce the Number of Nuclear States May Backfire," MacArthur Foundation, \$15,000

Orginos, Konstantinos, "Topics in Theoretical Nuclear Physics," U.S. Department of Energy, \$136,000

Orginos, Konstantinos, "Nuclear Physics from Lattice QCD," U.S. Department of Energy, \$110,000

Orwell, Robert A., "Multilayer Polymeric Shielding to Protect Humans from Galactic Cosmic Radiation," International Scientific Technologies, Inc., \$25,650

Outlaw, Ronald A., "Vertically Oriented Graphene Electrochemical Double Layer Capacitor with Very Fast Dynamic Response," Defense Advanced Research Projects Agency, \$90,000

Owens, Christopher L., "Guest Designers for 2009 Summer Season Virginia Shakespeare Festival," Virginia Commission for the Arts, \$2,000

Owens, Christopher L., "FY 2007-08 Virginia Shakespeare Festival," Hampton Arts Commission, \$1,000

Owens, Christopher L., "2009 General Operating Support for Virginia Shakespeare Festival," Williamsburg Area Arts Commission, \$7,840

Owens, Christopher L., "Support of Equity Guest Artists in 2009 Season," York County Arts Commission, \$2,000

Pagola, Silvina, "X-ray Powder Diffraction Patterns of Luminescent Metal-Organic Networks and Organic Materials with Pharmaceutical Uses (2009-10 Cycle 2)," International Centre for Diffraction Data, \$2,000

Palermo, Charles J., "Toward Picasso: Modernism and Authority," The Sterling and Francine Clark Art Institute, \$10,000

Perdrisat, Charles F., "The Form Factors of the Proton," National Science Foundation, \$215,000

Pike, Robert D., "Copper(i) Networks: Structure, Luminescence, Catalysis, and Sensor Behavior," National Science Foundation, \$80,000

Pike, Robert D., "X-ray Diffraction Analysis of Niobium Samples for the Thomas Jefferson Laboratory," Jefferson Science Associates, LLC, \$13,834

Pike, Robert D., "Contract for Solution of X-ray Structures (X-ray diffraction studies)," SN College, Varkala, Kerala, India, \$400

Poshyvanyk, Denys, "Small: Collaborative Research: Creating and Evolving Software via Searching, Selecting, and Synthesizing Relevant Source Code," National Science Foundation, \$203,641

Poshyvanyk, Denys, "MRI-R2 Consortium: Development of a Software Traceability Instrument to Facilitate and Empower Traceability Research and Technology Transfer," National Science Foundation, \$250,021

Poutsma, John C., "Fundamental Gas-Phase Properties of Non-Protein Amino Acids and Non-Protein Amino Acid Containing Peptides," National Science Foundation, \$100,000

Rice, Gary W., "GOALI: MEMS-Based Preconcentrators with Nano-Structured Adsorbents for Micro Gas Chromatography," Virginia Polytechnic Institute, \$10,106

Riska, Alma, "Interleaving Workloads with Performance Guarantees on Storage Clusters," National Science Foundation, \$700,000

Roberts, J. Timmons, "DFID Adaption Assessment," Department for International Development, London, U.K., \$44,522

Saha, Margaret S., "Neurotransmitter Fate Specification and the Role of Voltage-Gated Calcium Channel," National Institutes of Health, \$213,017

Saporito, Salvatore J., "Collaborative Research: School Attendance Boundary Information System (SABINS)," National Science Foundation, \$785,670

Scheerer, Jonathan R., "Chiral Non-racemic Bicyclic Diketopiperazines: A Common Precursor to Explore Diverse Asymmetric Reactions," Research Corporation, \$35,000

Scheerer, Jonathan R., "Synthesis and Biosynthesis of Loline Alkaloids, A family of Insecticidal and Insect Antifeedant Natural Products," Jeffress Memorial Trust, \$20,000

Schniepp, Hannes C., "Modulation of Fibronectin to Improve Integration of Dental Implant Materials," NY Hospital for Special Surgery, \$33,248

Shakes, Diane C., "Coordinating the Developmental and Cell Cycle Programs of Spermatogenesis," Jeffress Memorial Trust, \$20,000

Shaw, Leah B., "Adaptive Networks Foundations: Modeling, Dynamics and Applications," U.S. Army, \$92,043

Shaw, Leah B., "Multi-scale modeling of Infectious Diseases in Fluctuating Environments," National Institutes of Health, \$49,795

Shaw, Leah B., "Adaptive Networks in Socio-Cultural Populations," Naval Research Laboratory, \$42,440

Shellman, Stephen M., "Domestic Terrorism & Political Violence: Empirical Models of Government & Dissident Tactics and Strategies in South & Southeast Asia," National Science Foundation, \$153,319

Shellman, Stephen M., "COLLABORATIVE RESEARCH: NSCC/SA: Terror, Conflict Processes, Organizations, & Ideologies: Completing the Picture," National Science Foundation, \$159,986

Shen, Xipeng, "CPA-CPL: Exploring and Exploiting Heterogeneous Cache Sharing in CMP Systems for Locality Optimization and Proactive Cache Management," National Science Foundation, \$93,321

Shen, Xipeng, "CAREER: Input-Centric Program Behavior Analysis and Adaptation," National Science Foundation, \$85,248

Shen, Xipeng, "Reference Affinity Based Exploration of Cache Sharing for Program Optimizations in Parallel Systems w/grad student Yunlian Jiang," IBM Canada Lab, \$28,000

Smirni, Evgenia, "CSR-SMA: Auto correlated Flows in Systems: Analytic Models and Applications," National Science Foundation, \$100,000

Stathopoulos, Andreas, "Numerical Linear Algebra Problems and Quantum Chromo dynamics," Thomas Jefferson National Accelerator Facility, \$5,215

Thompson, David W., "Undergraduate Research Scholarship 1009-10 with Undergraduate Student Tyler Stukenbroeker," Virginia Space Grant Consortium, \$4,000

Tierney, Michael J., "Program on Climate Change, State Stability, and Political Risk in Africa," U.S. Department of the Army, \$66,131

Tierney, Michael J., "PLAID - Connecting Project-Level Aid (PLAID) w/non-Dac Bilateral Donors," The William and Flora Hewlett Foundation, \$250,000

Tierney, Michael J., "AidData: Transforming Foreign Aid Information and Impact - Phase II: Five-Year Plan," The William and Flora Hewlett Foundation, \$1,000,000

Torczon, Virginia, "3d Real-Time-Physics-Based Non-Rigid Registration for Image Guided Neurosurgery", National Institutes of Health, \$149,961

Trosset, Michael, "Analysis of High Dimensional Data for the Discovery of Biomarkers," Eastern Virginia Medical School, \$120,000

Vahala, George M., "Theoretical Plasma Physics," U.S. Department of Energy, \$54,445

Vahala, George M., "Developing Collisional Damping of EBW Waves near the UHR," U.S. Department of Energy, \$13,393

Vahala, George M., "Mesoscopic Detailed Balance Algorithms for Quantum and Classical Turbulence," Air Force Office of Scientific Research, \$74,406

Vahle, Patricia L., "Commissioning, Calibration and Operation of the NOvA Prototype Detector," Universities Research Association Inc., \$20,000

Vanderhaeghen, Marc, "Topics in Theoretical Physics," U.S. Department of Energy, \$103,000

Venkataraman, Malathy D., "Spectroscopic Parameters of Carbon Monoxide and Methane for ASCENDS," National Aeronautics and Space Administration, \$120,762

Venkataraman, Malathy D., "Room and Low-temperature N<sub>2</sub>-broadened Half Width Coefficients in the V9 Band of Ethane (C<sub>2</sub>H<sub>6</sub>)," National Aeronautics and Space Administration, \$70,000

Vinroot, Christopher R., "FRG: Collaborative Research: Characters, Liftings, and Types: Investigations in p-adic Representation Theory," National Science Foundation, \$126,328

Vishton, Peter M., "Learning the Human Terrain," MYMIC LLC, \$30,000

Wang, Haining, "Network Research in William and MaryBell Labs," \$25,000

Wang, Haining, "Breaking eMail Spam Laundering," National Science Foundation, \$100,000

Wang, Haining, "Collaborative Research: IHCS-Cybersystems: Integration of Protocol and Hardware Designs for Securing Internet Communications," National Science Foundation, \$190,538

Wang, Haining, "CSR: Small: An Efficient Framework for Real-Time Collaborative Browsing," National Science Foundation, \$76,000

Wang, Haining, "Energy Assurance for Computing Systems in Naval Platforms," Office of Naval Research, \$113,604

Watson, Neill P., "Psy.D Program 3rd-year Practicum Stipend - Colonial Community Services Board," Colonial Community Services Board, \$3,500

Wawersik, Matthew J., "Analysis of Drosophila Germ Cell Sex Determination and Male Germ line Stem Cell Niche Development," National Science Foundation, \$133,016

Welsh, Robert E., "Research Support for Joint Faculty," Thomas Jefferson National Accelerator Facility, \$30,212

Whalon, Kelly J., "The Effects of a Reciprocal Questioning Intervention on the Reading Comprehension and Social Communication of Students with Autism Spectrum Disorder," Organization of Autism Research, \$30,000

Williamson, Kurt E., "Viral Ecology of Freshwater Ecosystems: Abundance, Community Composition, and Seasonal Dynamics," Jeffress Memorial Trust, \$20,000

Zhang, Shiwei, "Breakthrough Peta-scale Quantum Monte Carlo Calculations," National Science Foundation, \$483,796

Zhang, Shiwei, "Fermionic Optical Lattices: A Computational Study," Army Research Office, \$60,045

Zhou, Gang, "COLLABORATIVE RESEARCH: Multi-Scale QoS for Body Sensor Networks," National Science Foundation, \$175,000

Zhou, Gang, "NeTS: Small: Collaborative Research: Holistic Transparent Performance Assurance within the Crowded Spectrum," National Science Foundation, \$200,000

Zwollo, Patty, "Function of Pax5 Isoforms during B Cell Development and Activation," National Institutes of Health, \$211,600

#### SCHOOL OF BUSINESS

Julie R. Agnew, "Center for Interdisciplinary Behavioral Finance Research (CIBFR): Target Date Funds: Helping People Understand their Asset Allocation Decisions Better," Social Security Administration, \$251,064

#### SCHOOL OF EDUCATION

Alleman, Nathan F., "College Access Challenge Grant," State Council of Higher Education for Virginia, \$15,200

Beers, James W., "National Writing Project," National Writing Project, \$43,000

Beers, James W., "Eastern Virginia Writing Project 2008," National Writing Project, \$12,000

Defur, Sharon, "State Personnel Development Grant (SPDG) Project Evaluation," Virginia Department of Education, \$145,000

DiPaola, Michael, "District Leadership Support Team," Virginia Department of Education, \$473,455

Gareis, Christopher R., "The William & Mary Clinical Faculty Program 2009-2010," Virginia Department of Education, \$39,731

Gressard, Charles F., "Teaching Responsible Alcohol Choices and Knowledge," U.S. Department of Education, \$135,255

Korinek, Loraine A., "Training and Technical Assistance Center - William & Mary (T/TAC WM) 2009-2010," Virginia Department of Education, \$1,659,847

Mason, Marguerite M., "Tidewater Team for Excellence in Algebra Functions and Data Analysis," Virginia Department of Education, \$383,918

Matkins, Juanita J., "Teachers for a Competitive Tomorrow," U.S. Department of Education, \$187,849

McEachron, Gail A., "Development of Prototype Virginia Indian Culture Kits for Preservice Teaching with Graduate Student Lisa L. Heuvel," Native American Ministries, \$1,500

Popp, Patricia A., "Virginia Program for the Education of the Homeless Children and Youth, Project HOPE, Virginia 2009-10, LEA (Part 2)," U.S. Department of Education, \$1,133,205

Popp, Patricia A., "Virginia Program for the Education of Homeless Children and Youth, Project Hope - Virginia - 2008 - 2009," Virginia Department of Education, \$795,272

Popp, Patricia A., "Virginia Program for the Education of Homeless Children and Youth, Project HOPE - Virginia - 2009 - 2010," Virginia Department of Education, \$528,855



Popp, Patricia A., "Ensuring Educational Services to Students with Special Needs Experiencing Homelessness: A Collaboration and Professional Development Initiative," Virginia Department of Education, \$30,000

Rozzelle, Jan J., "SURN Connecting Leadership and Learning (SURN Leadership for Effective Teaching)," State Council of Higher Education for Virginia, \$180,000

Tieso, Carol L., "Project Civis," U.S. Department of Education, \$370,847

Ward, Sandra B., "Williamsburg Community Health Foundation Technology Support," Williamsburg Community Health Foundation, \$19,496

Ward, Sandra B., "Drug Free Community Support Program/Renewal Year 7/The Historic Triangle Substance Abuse Coalition," Substance Abuse and Mental Health Services Administration, \$100,000

Ward, Thomas, "Administrative Internship in the Evaluation Office of Williamsburg-James City County Schools with Student Lauren Anderson," Williamsburg/James City County Public Schools, \$15,000

#### SCHOOL OF LAW

Gruen, Martin E., "Support for the Office of Military Commissions: System Review and Planning," SGIS, \$151,158

Lederer, Fredric I., "Support and Training for the Office of Military Commissions," U.S. Department of the Army, \$187,194

Lederer, Fredric I., "Support for Court Record Management in Courtroom 21 Project," National Court Reporters Foundation, \$77,400

Lederer, Fredric I., "Technical Support, Office of Military Commissions (Guantanamo)," Lockheed Martin, \$20,000

#### CENTER FOR ARCHAEOLOGICAL RESEARCH

Jones, Joe B., "MANNA Site (36pi0004)/III/ARY/Pa/NPS," National Park Service, \$150,000

Jones, Joe B., "Archaeological Research at the Hite-Whitham Farm Property, Cedar Creek & Belle Grove National Historic Park," National Park Service, \$129,610

Jones, Joe B., "Saltville Civil War Dist/ NOM/ARY," Radford University, \$9,416

Jones, Joe B., "Hist Campus Util Improv/I/II/ARY/WB," College of William & Mary, Facilities Planning, Design & Construction, \$16,937

Jones, Joe B., "I-64 & I-264 Supplement," Virginia Department of Transportation, \$15,611

Jones, Joe B., "Convocation Center - Pt 2/II/ARC/CF/VSU," Virginia State University, \$8,628

Jones, Joe B., "Architectural Documentation of the Gate City Historic District in the Town of Gate City," Virginia Department of Historic Resources, \$10,955

Jones, Joe B., "Underwater Archaeological Survey Coleman Bridge Submarine Cable Project, York County, Virginia," Virginia Department of Transportation, \$22,242

Jones, Joe B., "Cultural Resources Survey Proposed Route 340 Bridge Replacement Project," Virginia Department of Transportation, \$15,727

Jones, Joe B., "Archaeological Evaluation of Site 44AH0565 and Sup Arch Survey, Proposed Route 659 Bridge Replacement Project," Virginia Department of Transportation, \$18,203

Jones, Joe B., "Revised Proposal, Archaeological Evaluation of Three Sites, I-64/I-264 Interchange, City of Norfolk," Virginia Department of Transportation, \$49,191

Jones, Joe B., "Preparation of Treatment Plan for Archaeological Data Recovery Site 44WM0304, Route 205 Improvements Project," Virginia Department of Transportation, \$4,077

Jones, Joe B., "Archaeological Survey Proposed Storm Water Management Basins, Middle Ground Boulevard Project," Virginia Department of Transportation, \$4,589

Jones, Joe B., "Archaeological Survey Proposed Route 288/145 Interchange Loop Project," Virginia Department of Transportation, \$7,539

Jones, Joe B., "Flowerdew Fort & Stone Found/ASS/ARY/PG64/65/VDHR," Virginia Department of Historic Resources, \$500

Jones, Joe B., "Archaeological Survey Proposed Mt. Pleasant Road Project," Virginia Department of Transportation, \$12,163

Jones, Joe B., "Johnson & Waddle Wetland Mitigation Sites/I/ARY/SM/TNC," The Nature Conservancy, \$19,677

Jones, Joe B., "Archaeological Survey of the Ker Place Property, Onancock," Virginia Eastern Shore of Virginia Historical Society, \$10,265

Jones, Joe B., "Phase 1A Background Review of the Oldfield Tract, Charles City County, Virginia," Luck Stone Corporation, \$3,688

Jones, Joe B., "Archaeological Survey of Redesigned Portions of the Proposed Fairfax County Parkway Project Area," Dewberry & Davis, LLC, \$10,019

#### CENTER FOR CONSERVATION BIOLOGY

Paxton, Barton J., "Monitoring Avian Productivity and Survival (MAPS) Program at Marine Corps Base Quantico Virginia," U.S. Army Corps of Engineers, \$14,389

Watts, Bryan D., "Bald Eagle Study - Aberdeen Proving Grounds," EA Engineering, Science, and Technology, Inc., \$152,373

Watts, Bryan D., "Evaluating the Biological Consequences of Bald Eagle Nest Loss and Removal: A Retrospective Analysis and Case Study," UniStar Nuclear Energy Services, LLC, \$101,836

Watts, Bryan D., "Autumn Saw-whet Owl Migration," U.S. Fish and Wildlife, \$3,000

Watts, Bryan D., "An Investigation of a Hemispherically Important Migratory Staging Area for Whimbrel along the Seaside of the Delmarva Peninsula," Virginia Department of Environmental Quality, \$16,000

Watts, Bryan D., "Developing a Conceptual Framework for Evaluating the Impacts of Wind Farms on Migratory Birds along the Mid-Atlantic Coast," Virginia Department of Environmental Quality, \$18,000

Watts, Bryan D., "2010 Bald Eagle Monitoring at Naval Support Facility Indian Head," Southern Maryland Resource Conservation & Development Board, \$86,453

Watts, Bryan D., "Whimbrel Stopover Ecology on the Eastern Shore," U.S. Fish and Wildlife, \$24,889

Watts, Bryan D., "Scrub-Shrub Migratory Bird Monitoring," U.S. Fish and Wildlife, \$14,291

Watts, Bryan D., "Peregrine Falcon Coastal Monitoring 2009," Virginia Department of Game and Inland Fisheries, \$12,140

Watts, Bryan D., "Red-Cockaded Woodpecker Population Monitoring and Management in the Piney Grove Preserve 2008," The Nature Conservancy, \$17,925

Watts, Bryan D., "Investigating stopover ecology of Whimbrel along the Lower Delmarva Peninsula," The Nature Conservancy, \$12,729

Watts, Bryan D., "Survival Analysis of American Oystercatchers in Virginia," The Nature Conservancy, \$6,000

Watts, Bryan D., "Red-Cockaded Woodpecker Population Monitoring and Management in the Piney Grove Preserve 2009," The Nature Conservancy, \$16,000

Watts, Bryan D., "Yadkin Project Bald Eagle Nest and Productivity Survey 2010," Long View Associates, Inc., \$11,211

Watts, Bryan D., "Bald Eagle Nest and Productivity Survey at Exelon's Conowingo and Muddy Run Reservoirs," Gomez & Sullivan Engineers, P.C., \$117,991

Watts, Bryan D., "Henslow's Sparrow Survey - Loudoun County," Bowman Consulting Group, Ltd., \$4,770

#### ECONOMIC DEVELOPMENT

Bean William E., "Technology Cluster Accelerator System for Hampton Roads," Virginia Hampton Roads Partnership, \$86,750

Bean William E., "SEVA-PORT Business Transformation and Education Program II," Opportunity Inc., \$47,000

Bean, William E., "Ideaworks Hampton Roads," Hampton Roads Partnership, \$10,600

Bean, William E., "James City County Incubator Management," James City County, \$70,000

Sledge, Leonard L., "Research and Compilation of Key Regional Economic Indicators," The Greater Williamsburg Chamber and Tourism Alliance, \$5,000