

RESEARCH SUPPORT

EXTERNAL FUNDING

[2020-2024] PI on Continuing *NSF* Grant 'On low-rank regularization for ill-posed nonlinear parameter estimation problems'. DMS Computational Mathematics & MSPA-Interdisciplinary. Budget: \$200,000.

[2020-2025] Co-PI on Standard *NSF* Grant 'Transforming Education through Elementary Mathematics Specialists' (PI: S. Auslander, Co-PIs: C. Tanguay and A. Smirnova). Division of Undergraduate Education. Budget: \$2,282,729.

[2018-2021] PI on Standard *NSF* Grant 'Iteratively Regularized Broyden-type Algorithms for Nonlinear Inverse Problems'. DMS Computational Mathematics. (Co-PI: X. Ye). Budget: \$100,000.

[2011-2015] PI on Standard *NSF* Grant 'Continuous Regularization for Nonlinear Ill-Posed Problems'. DMS Computational Mathematics. Budget: \$250,000.

[2002-2005] PI on Standard *NSF* Grant 'Theoretical and Numerical Investigation of Dynamical Systems Method for Solving Linear and Nonlinear Ill-posed Problems', DMS Computational Mathematics, Budget: \$72,300.

[1994-1996] **Russian President's** Scholarship for Distinguished Young Mathematicians.

INTERNAL FUNDING

[2015-2016] PI on *GSU* Research Initiation Grant 'On Stable Identification of System Parameters for Ebola Virus Disease', Budget: \$25,000.

[2013] PI on *GSU Research Foundation* Conference Grant 'Georgia Scientific Computing Symposium' (Co-PI: V. Bondarenko). Budget: \$3,000.

[2007] PI on *GSU* Brains & Behavior Seed Grant 'Modeling and Simulations for Noninvasive Brain Imaging Using Near Infrared Light' (Co-PI: V. Apalkov). Budget: \$29,908.

[2006-2007] *GSU* Research Initiation Grant, Budget: \$10,000.

[2005] *GSU* AofW Faculty Scholarship Mentoring Grant Pilot Project 'Numerical Investigation of Inverse Problem in Optical Tomography' (Mentor: GT.Chen). Budget: \$6,000.

[2001-2002] *GSU* Research Initiation Grant, Budget: \$4,700.

TRAVEL SUPPORT

[2014] *NSF* Travel support to attend NSF-CBMS Conference on Inverse Scattering and Transmission Eigenvalues, University of Texas at Arlington, May 27-31, 2014. Budget: \$780.

[2013] *NSF* Travel Grant 'From Cells to Ecosystems: Frontiers in Collaborative Quantitative Physics-Based Multi-scale Modeling of Biological Processes', July 8-26, 2013, Porto Alegre, Brazil. Budget: \$3,000.

[2008] *AWM/NSF* Travel Grant to attend the Fourth International Conference 'Inverse Problems: Modeling and Simulation', May 26-30, 2008, Oludeniz – Fethiye, Turkey. Budget: \$2,000.

[2007] *AIM/NSF* Travel Grant to attend Workshop 'High-Order Methods for Computational Wave Propagation and Scattering', Palo Alto, California, September 10-14, 2007. Budget: \$1,500.

[2007] *NSF* Travel Grant to attend International Conference 'Applied Inverse Problems: Theoretical and Computational Aspects', June 25-29 (2007). Vancouver, BC, Canada. Budget: \$1,000.

[2006] *AWM/NSF* Travel Grant to attend International Conference 'Tikhonov and Contemporary Mathematics, Moscow, Russia, June 19-25, 2006, Budget: \$1,500.

[2003] *NSF/IPAM* Travel Grant to attend the conference 'Applied Inverse Problems: Theoretical and Computational Aspects', May 18-23 (2003), UCLA Lake Arrowhead Conference Center, CA. Budget: \$1,000.

[2002] *NSF* Travel Grant to attend NSF/CBMS Regional Research Conference "Mathematical Methods in Nonlinear Wave Propagation", May 15-19, 2002, Greensboro, NC. Budget: \$500.

[2002] *AWM/NSF* Travel Grant to attend AWM Workshop for women recent Ph.D.'s, January 9, 2002, San Diego, CA. Budget: \$1,500.

[2001] *AWM-NSF* Mentor Travel Grant to work with Professor Curtis R. Vogel, Montana State University, Budget: \$2,350.

[2001] *NSF* Travel Grant to attend the 21st Annual Southeastern-Atlantic Regional Conference on Differential Equations, November 2-3, 2001, Winston-Salem, NC. Budget: \$300.

[2001] *NSF* Travel Grant to attend NSF/CBMS Regional Research Conference "Using Spectral Data to Solve Inverse Problems", December 14-18, 2001, Edinburg, TX. Budget: \$750.

[2000] *AWM/NSF* Travel Grant to attend AWM Workshop for women graduate students, January 21, 2000, Washington, DC. Budget: \$1,500.

[1999] *AWM/NSF* Travel Grant to attend AWM Workshop for women graduate students, May 14, 1999, Atlanta, GA. Budget: \$1,500.