

Appendix B: Editorships, Grants, Awards, Etc.

December 9, 2008

I. Editorships (2003-2008) reported by faculty

Charles Johnson

Associate Editor, *Mathematical Inequalities and Applications*
Associate Editor, *American Journal of Mathematical and Management Sciences*
Associate Editor, *Linear Algebra and its Applications*
Associate Editor, *Linear and Multilinear Algebra*
Editor, *SIAM Journal of Matrix Analysis and its Applications*
Editor, *SIAM Journal of Algebraic and Discrete Methods*
Editorial Board, *INVOLVE – a Journal of Mathematics*

Rex Kincaid

Editorial Advisory Board, *J Mathematical Modeling & Algorithms*
Associate Editor, *INFORMS Journal of Computing*
Editorial Board, *Computers and Operations Research*

Larry Leemis

Associate Editor, *Naval Research Logistics*

Chi-Kwong Li

Editor-in-Chief, *Linear and Multilinear Algebra*
Editor-in-Chief, *Operators and Matrices*
Senior Editor, *Linear Algebra and its Applications*
Editorial Board, *Journal of Inequalities in Pure and Applied Mathematics*
Editorial Board, *Journal of Mathematics*
Editorial Board, *INVOLVE – a Journal of Mathematics*

Leiba Rodman

Editor-in-Chief, *Operators and Matrices*
Senior Editor, *Linear Algebra and its Applications*
Editor, *Mathematical Inequalities and Applications*
Associate Editor, *Integral Equations and Operator Theory*
Associate Editor, *Complex Analysis and Operator Theory*
Guest Editor for special editions of *Operator Theory: Advances and Applications*, *Linear Algebra and its Applications*, *Linear and Multilinear Algebra*, and *Recent Advances in Applied and Pure Operator Theory*

Junping Shi

Editorial Board, *International Journal of Differential Equations*
Guest Editor, for two special issues of *Discrete and Continuous Dynamical Systems*
Guest Editor for a special issue of *Applicable Analysis*

Ilya Spitkovsky

Editorial Board, *Integral Equations and Operator Theory*

Editorial Board, *Operators and Matrices*

Editorial Board, *International Journal for Information Systems Sciences*

Guest Editor, two issues of *Complex Analysis and Operator Theory*

Guest Editor for one special issue of *Linear Algebra and Applications*

Editorial Board for one special volume of *Operator Theory: Advances and Applications*

II. External Grants to Department Members (2003-2008) reported by the Grants Office

Departmental Grants:

- a) NSF-UBM, 9/1/2004 to 8/31/2009, joint with Biology, \$647,000, PI = Schreiber
- b) NSF-SCREMS, 8/15/02 - 7/31/04, \$39,000 “Scientific Computing Research Environments,” PI = Lewis
- c) NSF-CSUMS, 9/15/07 - 8/31/12, \$485,711, joint with computer science and applied science, “CSUMS – Theory, techniques, and research in computational mathematics,” PI = Li
- d) NSF 4/1/02 - 3/31/08, \$398,748, “Effective transitions through academe to industry for computer scientists and mathematicians,” co-PI= Leemis and Noonan (CS)
- e) VA Department of Education, various MSP grants, \$2,083,767, “Tidewater Team to improve middle school mathematics teaching, I,II III” co-PIs = Mason (School of Education), Lutzer, Rublein

Individual Grants to Department Members

Day: NSF, 7/1/2008 to 6/30/2011, \$128,281, “Dynamics at a Fixed Resolution”

Johnson:

- a) NSF-REU Site Grants, 5/15/2004 to 4/30/2008, \$48,000¹, and 9/1/08 to 8/31/11, \$172,800, “Matrix Analysis and its Applications”
- b) NSF, 9/1/2007 to 6/30/2008, \$7,632, “Undergraduate research mentoring model”

Kincaid:

- a) NASA, 9/22/05 to 6/21/06, \$13,337, “Evaluating the Performance of Air Transport Networks”
- b) NASA, 3/1/08 to 2/28/09, \$61,173, “Multi-scale tools for Airspace Modeling and Design”

Leemis:

- a) See Department Grants (d)
- b) Colonial Williamsburg, 12/24/99 to 12/31/09, \$13,560, “Traveling salesman problem implementation”

Lewis:

- a) NASA, 5/15/02 - 5/15/06, \$23,000 “Robust techniques for multidisciplinary design and optimization”
- b) NSF, 7/1/07 - 6/30/11, \$133,759, “Empirical force fields models in molecular modeling”
- c) See Department Grants (b)

¹This figure cannot be correct but it is what the Grants Office reports. It should be closer to \$48,000 per year

Li:

- a) NSF, 4/1/00 - 3/31/04, \$151,176, “Matrix analysis and applications”
- b) NSF, 7/1/06 - 6/30/09, \$111,868, “Problems in matrix and operator theory”
- c) NSF, 8/1/00 - 12/31/05, \$324,997, “Matrix analysis in engineering and science” (co-PI = Mathias)
- d) See Department Grants (c)

Lutzer:

- a) NSF, 09/01/04 - 02/28/09, \$296,448, “CBMS2005: A study of undergraduate programs in the mathematical and statistical sciences in the United States”
- b) See Department Grants (e)

Rodman and Spitkovsky:

- a) NSF 7/1/02 - 6/30/04, \$62,413, “Problems in operator and matrix analysis”
- b) NSF 6/1/05 - 5/31/08, \$49,102, “Problems in operator theory”
- c) NSF 6/1/05 - 5/31/09, \$51,507, “Wiener-Hopf factorizations and applications”

Rublein:

- a) NSF-CCLI 2/15/05-1/31/09, \$75,000, “Embedding chemistry problems in calculus”
- b) See Department Grants (e)

Shi: NSF, 9/1/03 - 8/31/07, \$108,500, “Persistence and pattern formation in biological systems”

Yu: NSF, 9/1/08 - 5/31/10, \$36,545, “Degree conditions for packing and covering in graphs”

III. Special Awards to Department Members

Professors Johnson, Li, and Lutzer have each won the “Virginia Outstanding Faculty Award,” given by the State Council for Higher Education. About twelve faculty members statewide receive this award each year, and since the beginning of these awards twenty years ago, more faculty members from our department have won this award than from the total of all other mathematics departments in Virginia.

Our faculty members John Drew and Larry Leemis won the 2006 “INFORMS ICS Prize for Research Excellence in the Interface Between Operations Research and Computer Science”

Vladimir Bolotnikov won the College’s 2007 “Jefferson Prize in Teaching.” This is the highest teaching award given by the College for junior faculty members.

Professors Johnson, Li, and Shi have each won one of the College’s Phi Beta Kappa awards for teaching or research.

Professor Leemis was one of three William and Mary faculty members named to special teaching professorships in 2008, and Professors Bolotnikov and Lewis received endowed positions in 2007.