

Samangi Munasinghe

Curriculum Vitae

Department of Mathematical Sciences
University of Arkansas
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Current Position

Visiting Assistant Professor, University of Arkansas.

Education

- Ph.D.** Mathematics, Texas A&M University, College Station, TX August 2006
Advisor: Dr. Emil J. Straube
- M.Sc.** Mathematics, Lehigh University, Bethlehem, PA May 1996
- B.A.** Mathematics, Minor in Economics August 1994
Mansfield University, Mansfield, PA
Magna Cum Laude

Research Interests

Several Complex Variables (Mathematics Subject Classification 32).

Publications

Hardy spaces and Cauchy-type integrals for differential forms in \mathbb{C}^n (with Emil J. Straube), in progress.

Complex Tangential Flows and the Compactness of the $\bar{\partial}$ -Neumann Operator (with Emil J. Straube), Pacific J. Math., 232 (2007), no. 2, 343-354.

Geometric Sufficient Conditions for Compactness of the $\bar{\partial}$ -Neumann Operator, Ph.D. Thesis, Texas A&M University, August 2006.

Presentations

- Complex Tangential Flows and the Compactness of the $\bar{\partial}$ -Neumann Operator
Analysis Seminar, Saint Louis University. November 2008
2008 Spring Southeastern Sectional Meeting, LA March 2008
Colloquium, University of Arkansas February 2008
Analysis Seminar, Brown University. February 2007

Geometric Sufficient Conditions for Compactness of the $\bar{\partial}$ -Neumann Operator
Faculty Seminar, College of the Holy Cross. April 2007
AMS Session on Analysis and Ordinary Differential Equations, I, January 2007
Joint Mathematics Meeting, New Orleans.

Alternate Series and Euler's Constant
Seminar, College of the Holy Cross. Spring 2006

An elementary integral solution operator for the Cauchy-Riemann
equations on pseudoconvex domains in \mathbb{C}^n (after M. Range)
Analysis Seminar, University of Arkansas January 2008
Several Complex Variables Seminar, Texas A&M University. Fall 2002

Boundary behaviour of holomorphic functions on
weakly psuedoconvex domains (after D. Catlin)
Several Complex Variables Seminar, Texas A&M University. Fall 2003

Membership

American Mathematical Society

Awards and Honors

Vertical Integration of Research and Education
(VIGRE) Match Fellowship, Spring 2006
Texas A & M University.

Research Assistantship Supported by the Spring 2002
National Science Foundation Grant of Emil J. Straube, Fall 2002
Texas A&M University. Fall 2003

Outstanding Mathematics Major of the Year, Mansfield University. 1994

Employment and Teaching Experience

Instructor for Math 2053: Finite Math Fall 2009
University of Arkansas

Instructor for Math 2554: Calculus I Fall 2008
University of Arkansas Spring 2009

Instructor for Math 2564: Calculus II Fall 2007
University of Arkansas Spring 2008

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| Instructor for Math 131 & Math 132: Calculus for Physical and Life Sciences I & II, College of the Holy Cross. | Fall 2006 Spring 2007 |
| Instructor for Math 125 & 126: Calculus for Social Sciences I & II, College of the Holy Cross. | Fall 2006 Spring 2007 |
| Instructor for Math 141: Business Mathematics, Texas A&M University. | Fall 2005 |
| Instructor for Intermediate Algebra, American College for Higher Education, Sri Lanka. | Summer 2005 |
| Grader for Math 618: Theory of Functions of a Complex Variable II, Texas A&M University. | Spring 2005 |
| Teaching Assistant for Math 152: Calculus and Analytic Geometry II, Texas A&M University. | Fall 2004 Spring 2004 Fall 2001 |
| Grader for Math 654: Algebra II, Texas A&M University. | Spring 2003 |
| Teaching Assistant for Math 251: Calculus and Analytic Geometry III, Texas A&M University. | Spring 2001 |
| Instructor for Math 095: Intermediate Algebra, Bowling Green State University. | Spring 2000 Fall 1999 Spring 1999 |
| Instructor for Math 115: Introduction to Statistics, Bowling Green State University. | Summer 1999 |
| Instructor for Intermediate Algebra, American College of Higher Education, Sri Lanka. | Fall 1996 |
| Consultant, CTC Eagle Insurance Cooperation, Colombo, Sri Lanka. Performed statistical analysis for mortality investigation. | 1996-1997 |

Conferences and Workshops Attended

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| V Workshop on Geometric Analysis of PDE and Several Complex Variables Serra Negra, San Paulo, Brazil | August 2009 |
| 2008 Spring Southeastern Sectional Meeting, Baton Rouge, LA | March 2008 |
| Midwest Several Complex Variables Conference (University of Michigan, Ann Arbor, MI). | March 2007 |
| Joint Mathematics Meetings, New Orleans, Louisiana. | January 2007 |
| Conference on Complex Analysis (University of Wisconsin, Madison, WI). | March 2006 |
| Joint Mathematics Meetings, San Antonio, Texas. | January 2006 |
| CR Geometry: Complex Analysis Meets Real Geometry and Number Theory (The Mathematical Sciences Research Institute, Berkeley, CA). | July-August 2005 |
| Midwest Several Complex Variables Conference (Indiana University, Bloomington, IN). | April 2005 |
| Joint Mathematics Meetings, Atlanta, Georgia. | January 2005 |
| Joint AMS-SMM International Meeting, Houston, Texas. | May 2004 |
| Midwest Several Complex Variables Conference (University of Notre Dame, Notre Dame, IN). | March 2003 |
| Conference on Several Complex Variables and Complex Geometry for the 70 th Birthdays of Robert C. Gunning and Joseph J. Kohn (Princeton University, Princeton, NJ). | September 2002 |

Services

Faculty Advisor, Arkansas Women in Statistics and Mathematics (AWSME).

Chair, AMS Contributed Paper Session on Analysis and Ordinary Differential Equations, I,
Joint Mathematics Meeting, New Orleans, January 2007.

Graduate School Fair Panel, College of the Holy Cross, Fall 2006.

Computer Experience

Maple, MATLAB, Latex.

References

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E-mail: straube@math.tamu.edu

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Dr. John Anderson
Department of Mathematics and Computer Science
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Worcester, MA 01610
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