

Steven M Deckelman

Professor, University of Wisconsin Stout
Mathematics, Statistics & Computer Science Department
College of Science, Technology, Engineering, Mathematics and
Management

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Research Interests: -Complex analysis in one and several variables. -Mathematical Biology including Bioinformatics and Computational Neuroscience. -Mathematical Modeling in biology and food science.

Professional Interests: Languages, History of Mathematics

Education

- **Ph D Mathematics**
University of Wisconsin-Madison
Madison, WI, 1994
- **MA Mathematics**
University of Wisconsin Madison
Madison, WI, 1988
- **BA Mathematics and Computer Science**
University of Wisconsin Madison
Madison, WI, 1985

Work Experience

Academic - Post-Secondary

- **University of Wisconsin Stout**
Professor
Present
- **University of Wisconsin Stout**
Associate Professor
Present
- **The Ohio State University**, The Mathematical Biosciences Institute(MBI)
Visiting Associate Professor
September 2005 - December 2005
- **University of Wisconsin Stout**
Assistant Professor
Present
- **Wayne State College**
Assistant Professor
Present
- **Wayne State College**
Interim Assistant Professor
Present
- **Madison Area Technical College**
Adjunct Faculty
Present

Intellectual Contributions

Journal Article

- Deckelman, S. M., Graetz, J., & Russell, T. A multiplicative analogue of the Reynolds operator and construction of invariants. *Rocky Mountain Journal of Mathematics*.
- Deckelman, S. M. An invariant-theoretic property of certain CR mappings. *Complex Variables and Elliptic Equations*.
- Deckelman, S. M. Absolutely Continuous Hardy-Sobolev Functions in the Unit Disc. *Journal of Mathematical Analysis and Applications*, 340, 1433-1451.
- Deckelman, S. M. Using Interdisciplinary Curricula in a Senior Capstone Course: A Case Study in Mathematical Biology. *Council On Undergraduate Research Quarterly*.

Book, Chapter

- Deckelman, S. M. Teaching Bioinformatics in a mathematics department. .

Presentations

Uncategorized

- Deckelman, S. M. (April, 2009). A Tale of Two Algebras. Wisconsin MAA, La Crosse, WI.
- Deckelman, S. M. (January, 2009). Sensitivity Analysis and Parameter Identification in Undergraduate Mathematical Modeling. Joint AMS/MAA national meeting, DC.
- Deckelman, S. M. (May, 2007). A Case Study in Disease Ecology: Modeling of Avian flu. Wisconsin State MAA, Eau Claire, WI.
- Deckelman, S. M. (January, 2006). Bioinformatics and the Undergraduate Mathematics Curriculum. Joint AMS/MAA, San Antonio, TX.
- Deckelman, S. M. (April, 2004). Square Roots of Harmonic Ternary Quadratic and Biquadratic Forms. Wisconsin MAA, Platteville, WI.

Panelist

- Deckelman, S. M., & Harrison, S. (April, 2008). Grading Without Tears. Wisconsin State MAA, Madison, WI.
- Deckelman, S. M. (January, 2005). Diversity in Math and Science. UW-Stout Professional Development Week, Menomonie, WI.

Grants, Contracts, and Sponsored Research

Grant

- Nold, S. C., Pickart, M., Miller-Rodeberg, M., & Deckelman, S. M. (2005) Bringing bioinformatics to UW-Stout through collaboration and industrial outreach. Sponsored by Chancellor's Curriculum Improvement Grant, \$25000.

Awards, Fellowships, Honors, and Scholarships

Honor

- Maybelle Ranney Price Professorship, (2005)

Fellowship

- Wisconsin Teaching Fellow, (1999)
- Project Next Fellow, (1995)
- Dissertation Fellowship, (1991)

Professional Memberships

- Kappa Mu Epsilon
- American Mathematical Society
- Mathematics Association of America
- Society for Industrial and Applied Mathematics

Service

Department / School

- **External Reviewer**, CUR Consulting Committee (April 2009 - Present)
- **Division Chair**, Council on Undergraduate Research (CUR) (2009 - Present)
- **Committee Member**, MAA Committee on the Teaching of Undergraduate Mathematics (CTUM) (2008 - Present)
- **Divisional Editor**, Council on Undergraduate Quarterly (2007 - 2009)