

Curriculum Vitae (Short), Steven B. Damelin.

1. Department of Mathematics, University of Michigan, 530 Church Street, Ann Arbor, MI 48109 and 1403 Wisteria Drive, Ann Arbor, MI, 48104.
2. Email: damelin@umich.edu, steve.damelin@gmail.com, Tel: 912-481-7114.
3. Homepage: <http://www.umich.edu/~damelin>,

Education.

1. (1996) Doctor of Philosophy, (Mathematics), University of the Witwatersrand.
2. (1993) Master of Science (Mathematics), University of the Witwatersrand.
3. (1991) Bachelor of Science (Honors) (Mathematics) (summa cum laude), University of the Witwatersrand.

Professional Career Summary.

1. (2019-present) Mathematical Scientist, Ann Arbor, MI.
2. (2013-Present) Sponsored Affiliate and Visiting Scholar, Department of Mathematics, University of Michigan.
3. (2013-2019) Associate Editor, Mathematical Reviews, American Mathematical Society.
4. (2005-2006) New Directions Professor, Institute for Mathematics and its Applications (IMA), University of Minnesota.
5. (2000-2013) Full, Associate and Assistant Professor, Department of Mathematics, Georgia Southern University and Director of the Unit for Advances in Mathematics and its Applications which I founded.
6. (1998-2000, Fall 2007, 2008-2011) Lecturer, Visiting Professor and Visiting Full Professor, Department of Mathematics and School of Computational and Applied Mathematics, University of the Witwatersrand.
7. (1999-2000) Visiting Professor, Department of Mathematics, Pennsylvania State University. (1998-2000) Research Associate of the John Knopmacher Centre for Applicable Analysis and Number Theory, University of the Witwatersrand.
8. (1996-1997) Postdoc, Department of Mathematics, University of South Florida and Katholieke Universiteit, Leuven.

Awards and Honors.

1. (2005-2006): New Directions Research Professorship (only awarded to two people worldwide during the academic year (2005-2006)): <https://www.ima.umn.edu/new-directions-professorships>.
2. (2010-2013) National Flagship "Computational Research Initiative in Imaging and Remote Sensing", South African Center for High Performance Computing (CHPC): <http://www.gradnet-db.wits.ac.za/Emails/chpc.html>.
3. (2014-2017) Team member Nevada Mathematics Project: Collaborative Statewide mathematics initiative to improve K3-K12 mathematics instruction and student achievement. (www.nevadamathproject.com),
4. (2018) IEEE Computational Intelligence Society Recognition and Service award.
5. (2005-2008) British Engineering and Physical Sciences Research Council (EPSRC) Fellow.
6. (Summer 2007) United States Air Force Office of Research Summer Fellow.
7. 1996-1997) Freda Lawenski Fund for Academic Excellence Award.
8. (1996-1997) Rosterholtz Memorial Scholar.
9. (2010-2011) American Mathematical Society Committee of Committees.
10. (2008-2009) American Mathematical Society Research Communities Advisory Board.
11. 2009 IEEE Geosciences and Remote Sensing Symposium, Best paper award with Michael Sears, "Reducing the dimensionality of hyperspectral data using diffusion maps".

Research interests: Approximation theory, Data Science, Machine Learning, Signal Processing, Harmonic Analysis, Probability. **Publications:** 72 papers, 3 books, 2 books edited. (See <http://www.umich.edu/~damelin>).

Research Support: NSF, EPSRC, CHPC, Air Force of Scientific Research, United States, Nevada State. Students: PhD students (3), Masters (6), Undergraduate research (31) Undergraduate research papers (6). **Teaching, Grants and Diversity:** (30 years) at Research institutes, Universities, Community Colleges and High school **Service:** AMS Editor, Referee (multiple journals), workshops organized (international/domestic), University service (multiple).

