

Sidafa Conde

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RESEARCH INTERESTS Numerical Analysis, Scientific Computing, Computational Finance

EDUCATION **University of Massachusetts Dartmouth**, New Bedford, MA
Ph.D., Engineering and Applied Science, *Expected*: Spring 2017
• Advisors: Sigal Gottlieb, Ph.D. and Alfa Heryudono, Ph.D.

University of Massachusetts Dartmouth, New Bedford, MA
B.S., Computational Mathematics and Accounting (Double Major), May 2012
• *Cum Laude*

RESEARCH EXPERIENCE **Graduate Research Assistant** August 2013 to present
Department of Mathematics,
University of Massachusetts Dartmouth
Supervisors: Alfa Heryudono, Ph.D and Yanlai Chen, Ph.D.

Graduate Research Assistant August 2012 to present
Department of Mathematics,
University of Massachusetts Dartmouth
Supervisor: Sigal Gottlieb, Ph.D

Undergraduate Research Assistant May 2011 to Aug 2012
Department of Mathematics,
University of Massachusetts Dartmouth
Supervisors: Sigal Gottlieb, Ph.D

Undergraduate Research Assistant May 2011 to Aug 2011
Department of Mathematics,
North Carolina State University, Raleigh
Supervisors: Tao Pang, Ph.D and Jeffrey Scroggs, Ph.D.

Undergraduate Research Assistant 2010
Department of Mathematics,
University of Massachusetts Dartmouth
Supervisors: Chen Wang, Ph.D

Undergraduate Research Assistant May 2010 to Aug 2010
Department of Mathematics and Statistics,
University of Maryland, Baltimore County
Supervisors: Matthias K. Gobbert, Ph.D and Bradford Peercy, Ph.D.

REFEREED JOURNAL PUBLICATIONS 1. Chen, W., **S. Conde**, C. Wang, X. Wang, and S.M. Wise. "A Linear Energy Stable Scheme for a Thin Film Model Without Slope Selection." *Journal of Scientific Computing*, 52(3), 546–562, 2012.

UNPUBLISHED WORKING PAPERS 1. **Conde, S.**, C.D. Poole, and G. Davis. "Time Series Analysis of Keyboarding Dynamics Using a Normal Inverse Gaussian with Generalized Auto-Regression." 2010. Tech. rep. CSUMS, University of Massachusetts Dartmouth.
2. **Conde, S.**, Z. J. Grant, S. Gottlieb, and A. R. Heryudono. "Hybrid Trigonometric Polynomial Approximation with Aliasing- Error." 2010. Tech. rep. CSUMS, University of Massachusetts Dartmouth.

3. **Sidafa Conde**, Teresa Lehair, Christopher Raastad, Virginia Smith, Kyle Stern, David Trott, Matthias K. Gobbert, Bradford E. Peercy, and Arthur Sherman. Enabling physiologically representative simulations of pancreatic beta cells. Technical Report HPCF-2010-21, UMBC High Performance Computing Facility, University of Maryland, Baltimore County, 2010. (HPCF machines used: tara.)

ACADEMIC AWARDS AND SCHOLARSHIPS	<ul style="list-style-type: none"> • XSEDE Scholars Program Cohort 4 2014-Present • TAPIA Conference Top Three Graduate Student Poster 2013 • SIAM Student Chapter Certificate of Recognition 2012 • University of Massachusetts Student Spotlight 2011 • Mary M. C. H. Eccles Scholarship 2011 – 2012 • University of Massachusetts Dartmouth University Scholarship 2007 – 2012 • John and Abigail Adams Scholarship 2007 – 2012 • Samuel A Stone Scholarship 2009 – 2010 • Chancellor’s & Dean’s List 2007–2011
PRESENTATIONS	<ul style="list-style-type: none"> • CAARMS, Princeton, NJ 2014 • ACM Richard Tapia Celebration of Diversity in Computing, Washington, DC 2013 • Brown SUMS 2012, Providence, RI 2012 • MAA/AMS Joint Meeting, New Orleans, LA January 2011
TEACHING EXPERIENCE	<ul style="list-style-type: none"> • MATH 131: Pre-Calculus, University of Massachusetts Dartmouth Spring 2014 • MATH 131: Pre-Calculus, University of Massachusetts Dartmouth Fall 2013
SERVICE	<p>Volunteer Income Tax Assistance (VITA) January 2013 – May 2013 and Tax Counseling for the Elderly (TCE) Volunteer Coordinator</p> <p>Leadership Program at the Leduc Center for Civic Engagement August 2013 – May 2013</p> <p>Smile All Children Volunteer June 2013 – December 2013</p> <p>Umass Dartmouth SIAM Student Chapter 2010 – 2012</p>
COMPUTER SKILLS	<ul style="list-style-type: none"> • Languages: C/C++, Python, MATLAB, Bash Shell Scripts, Fortran (basic experience) • Operating Systems: Unix/Linux, Mac OSX • Libraries: GSL, OpenMP and MPI • Learning: CUDA
REFERENCES	<p>Sigal Gottlieb Professor of Mathematics Phone: 508-999-8320 Department of Mathematics E-mail: sgottlieb@umassd.edu University of Massachusetts Dartmouth</p> <p>Alfa Heryudono Professor of Mathematics Phone: 508-999-8516 Department of Mathematics E-mail: aheryudono@umassd.edu University of Massachusetts Dartmouth</p>
CITIZENSHIP INFORMATION	<ul style="list-style-type: none"> • Immigrated from Guinea - 2001 • Naturalized Citizen - 2006