



Curriculum Vita
Adam Bowden



Academic Department: Mathematics
University Address: Department of Mathematics
Binnion Hall – Room 317
Texas A&M University-Commerce
PO Box 3011
Commerce, TX 75429-3011

Office Phone: 903 – 886 – 5953

University Email Address: adam.bowden@tamuc.edu

Faculty Web Page Address: https://sites.google.com/site/abowden_tamuc

EDUCATION

- ▶ **Master of Mathematics**
Texas A&M University – Commerce, August 2014
- ▶ **Bachelor of Computer Science**
Texas A&M University – Commerce, August 2012
- ▶ **Associates of Computer Science**
Paris Junior College, July 2010

TEACHING EXPERIENCE

- ▶ **August 2015 – Present**, Instructor of Mathematics, *Texas A&M University – Commerce*
- ▶ **August 2014 – August 2015**, Ad – Interim Instructor of Mathematics, *Texas A&M University – Commerce*
- ▶ **June 2014 – July 2014** and **June 2015 – July 2015**, Adjunct Instructor, *Paris Junior College*
- ▶ **August 2012 – May 2014**, Graduate Assistant – Teaching, *Texas A&M University - Commerce*

PUBLICATIONS

- ▶ **(In Review)** Bowden, A. & Sirakov, N. M. (2018). Solutions of the Euler - Lagrange and Poisson Equations for Image Segmentation. *IEEE Transactions on Image Processing*
- ▶ Bowden, A. & Sirakov, N. M. (2015). Applications of the Euler - Lagrange Poisson Active Contour in Vector Fields, Overcoming Noise, and Line Integrals. *Differential Equations and Dynamical Systems – Series B*.
- ▶ Bowden, A., Todorov, M. D., & Sirakov, N. M. (2014). Implementation of the Euler-Lagrange and Poisson Equations to Extract One Connected Region. *AIP Conference Proceedings*, 1629(1), 400-407.

PRESENTATIONS

- *Strategies for Dual Credit Success: Building Connections, Rigor, and Quality*, 2018 Dual Credit & Early College High School Conference, Denton, TX, April 11, 2018
- *University Math at the High School: Addressing Challenges and Finding Strategies for Successful Dual Credit Classes*, 98th Annual Mathematics Association of America Conference – Texas Section, Dallas, TX, April 6 2018
- *What Links Computers, Science, Engineering, and Medicine? The Answer and an Example* (Co-presented with Dr. Nikolay Sirakov), Math Club, Texas A&M University – Commerce, Commerce, TX, February 9, 2018
- *Teaching with Technology: Experiences from Dual Credit*, Conference for the Advancement of Mathematics Teaching, Fort Worth, TX, July 7, 2017
- *Splitting ELPAC and Its Applications*, 97th Annual Mathematics Association of America Conference – Texas Section, Commerce, TX, March 31, 2017
- *The Magical Mysteries of Math* (Co-presented with Mrs. Rebecca Steward) Math Club, Texas A&M University – Commerce, Commerce, TX, December 8, 2016
- *Enhancements to the Euler – Lagrange Poisson Active Contour*, 96th Annual Mathematics Association of America Conference – Texas Section, Nacogdoches, TX, April 1 2016
- *The Magical Mysteries of Math* (Co-presented with Mrs. Rebecca Steward) Math Club, Texas A&M University – Commerce, Commerce, TX, December 3, 2015
- *Investigations Into the Noise and Multiple Region Segmentation Abilities of Euler-Lagrange Poisson Active Contour*, The 9th International Conference on Differential Equations and Dynamical Systems, Dallas, TX, May 14 2015
- *Handling Noise and Multiple Region Segmentation With an Euler – Lagrange Poisson Active Contour*, Math Department Colloquium, Texas A&M University – Commerce, Commerce, TX, February 6 2015
- *Application of the Euler-Lagrange and Poisson Equations to Image Segmentation*, 94th Annual Mathematics Association of America Conference – Texas Section, Laredo, TX, April 5 2014