

# CURRICULUM VITA

**Michael Dabkowski**  
**Dept. of Mathematics and Statistics**  
**University of Michigan – Dearborn**  
**4901 Evergreen Road, Dearborn, MI 48128**  
**Tel: +1 (313) 593 – 5229, Email: [mgdabkow@umich.edu](mailto:mgdabkow@umich.edu)**

## 1. Education

- Ph.D. – Mathematics** **July 2011**  
The University of Wisconsin-Madison, Madison, WI  
Co-Advisors: Fedor Nazarov and Alexander Kiselev
- Graduate Studies** **August 2004-May 2007**  
Michigan State University, East Lansing, MI
- B.Sc. – Mathematics** **May 2004**  
The University of Michigan-Dearborn, Dearborn, MI

## 2. Employment History

- Assistant Professor** **September 2018 to present**  
Department of Mathematics and Statistics  
University of Michigan–Dearborn, Dearborn, Michigan
- Assistant Professor** **August 2015 to June 2018**  
Department of Mathematics and Computer Science  
Lawrence Technological University, Southfield, Michigan
- Postdoctoral Assistant Professor** **September 2012 to August 2015**  
Department of Mathematics  
The University of Michigan, Ann Arbor, Michigan
- Postdoctoral Fellow** **September 2011 to August 2012**  
Department of Mathematics  
The University of Toronto, Mississauga, Ontario Canada

## 3. Publications

- [1] Conlon, J. and **Dabkowski, M.**, “On Global Asymptotic Stability for the Diffusive Carr-Penrose Model,” *Journal of Nonlinear Science*, **32**, 2022, Article number: 75.
- [2] Clifford, J., **Dabkowski, M.**, and Wiggins, A., “The Numerical Range of  $C_{\psi}^*C_{\varphi}$  and  $C_{\varphi}C_{\psi}^*$ ,” *Concrete Operators*, **8**, 2021, 13-23.
- [3] Conlon, J. and **Dabkowski, M.**, “Global Stability for a Class of Nonlinear PDE with a Nonlocal Term,” *Journal of Statistical Physics*, **178**, 2020, 117-177.
- [4] Conlon, J. and **Dabkowski, M.**, “On Global Asymptotic Stability for the LSW Model with Subcritical Initial Data,” *Journal of Statistical Physics*, **178**, 2020, 420-471.

- [5] **Dabkowski, M.** and Lock, M. , “The Lowest Eigenvalue of Schrödinger Operators on Compact Manifolds”, *Potential Analysis*, **50**, No.4, 2019, 621-630.
- [6] **Dabkowski, M.** and Lock, M., “On the Proportionality of Chern and Riemannian Scalar Curvatures”, *Geometriae Dedicata*, **195**, No. 1, 2018, 57-78.
- [7] **Dabkowski, M.** and Lock, M., “An Equivalence of Scalar Curvatures on Hermitian Manifolds,” *Journal of Geometric Analysis*, **27**, 2017, 239-270.
- [8] Conlon, J., **Dabkowski, M.**, and Wu, J., “On Large Time Behavior and Selection Principle for a Diffusive Carr-Penrose Model”, *Journal of Nonlinear Analysis*, **26**, 2016, No. 2, 453-518.
- [9] **Dabkowski, M.** and Lock, M., “On Kähler Conformal Compactifications of  $U(n)$ -Invariant ALE Spaces”, *Annals of Global Analysis and Geometry*, **49**, No. 1, 2016, 73-85.
- [10] **Dabkowski, M.**, Kiselev, A., Silvestre, L., and Vicol, V., “Global Well-Posedness of Slightly Supercritical Active Scalar Equations”, *Analysis and PDE*, **7**, 2014, No. 1, 43-72.
- [11] **Dabkowski, M.**, Kiselev, A., and Vicol, V., “Global Well-Posedness for a Slightly Supercritical Surface Quasi-Geostrophic Equation”, *Nonlinearity*, **25**, 2012, No. 5, 1525-1535.
- [12] **Dabkowski, M.**, “Eventual Regularity of the Solutions to the Supercritical Dissipative Quasi-Geostrophic Equation”, *GAFG*, **21-1**, 2011, 1-13.
- [13] Clifford, J. and **Dabkowski, M.**, “Singular Values and Schmidt Pairs of Composition Operators on the Hardy space”, *Journal of Mathematics Analysis and Applications*, **305**, 2005, 183-196.

## 4. Student Advising

- [1] Mariam Dawwas, Master’s Thesis- Farming Practices Impact on Climate Migration, A Data Case Study, Winter 2023
- [2] Nicholas Krupansky’s, Master’s Thesis- Sub-critical Equilibrium Convergence Estimates in the Becker-Döring Equations, Winter 2020

## 5. Grants, Awards, and Credentials

- [1] Society of Actuaries Exams: P, FM, IFM, SRM, STAM and LTAM
- [2] Math Corps National Grant \$15,000, 2022
- [3] Student Recognition Award, Lawrence Technological University, 2017
- [4] Golden Apple Nominee, University of Michigan, 2014 and 2015

## 6. Service Activities and Outreach

<b>Director of Math Corps UM-Dearborn</b> 4 Week Math Summer Camp for Middle and High School student	<b>July 2022-August 2023</b>
<b>Director of Math Matches, Jefferson-Barns Community Center</b> 2 Week Math Summer Camp for Middle and High School students	<b>June 2021-2023</b>
<b>Actuarial Mathematics Co-Program Director</b>	<b>2019-present</b>
<b>Math Circles Facilitator</b> Organized sessions at Dearborn STEM and University Prep Art and Design	<b>2018-present</b>
<b>Help Yourself Win Foundation Facilitator</b> Organized biweekly sessions at Salina Elementary School	<b>2023-present</b>