

ZHOU DONG

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Montgomery College
20200 Observation Drive
Germantown, MD 20876

EDUCATION

- PhD** University of Illinois at Urbana Champaign, Mathematics December 2008
Dissertation: “The injective envelope as the space of extremal functions”
Committee: C. Ward Henson (chair), Slawomir Solecki (director of research), Lou van den Dries, Christian Rosendal
- MS** University of Illinois at Urbana Champaign, Mathematics May 2006
- BS** Carnegie Mellon University, Mathematical Sciences May 2002
Discrete Mathematics & Logic Concentration

HONORS AND AWARDS

- Center for Undergraduate Research in Mathematics Mini-grant** 2024-2025
Awarded to develop undergraduate research project on Combinatorial Game theory with Dr. Robert Riehemann at Thomas More University
- Outstanding Full-Time Faculty Award** 2023
In recognition of excellence in teaching and advising
- Scholarship for Excellence in Teaching Fellowship** 2018
Reading and discussions of various works on teaching.
Projects completed as a Scholarship for Excellence in Teaching Fellow:
- Tips for Math Success – 10 metacognition tips for students
 - Video of “Teaching Metacognitive Learning Strategies to Students” presentation: <https://www.youtube.com/watch?v=0A6IU4HxPng&feature=youtu.be>
 - Prof. Dong’s Math Class Primer– an exposition of my teaching philosophy for students: <https://sway.office.com/07aelVu01ZhlTBk7>
 - Valediction to My Math Class: <https://sway.office.com/Wjygu0vzgEPrDoM9>
- Honors Faculty Fellowship** 2016
Deep dive into the Honors Program at Montgomery College, including honors pedagogy, advising, and mentoring.
Projects completed as an Honors Faculty Fellow:
- Honors course proposal for MATH130/131/132
 - Developed resources and a workshop to promote undergraduate research among STEM students
 - Completed training to become a Level 4 Honors Advisor

TEACHING EXPERIENCE

Montgomery College, Germantown MD

January 2010 to present

Associate Professor, Mathematics, Statistics, and Data Science

- Taught Precalculus, Calculus I, Calculus II, Multivariable Calculus
- Developed flipped-class teaching materials for Calculus I and II
- Developed Standards Based Grading for Calculus I and II
- Taught Fundamentals of Scientific Reasoning and mentored students in research First Order Logic, Model Theory, and Combinatorial Game Theory
- Taught Art of Mathematical Proof Seminar Course
- Worked with and mentored Learning Assistants
- Organized and lead student field trips to Artechouse, Labyrinth Games, and the Smithsonian National Museum of American History

STEM Scholars Program Co-coordinator

- Recruited and mentored honors STEM faculty
- Facilitated the development of honors STEM courses
- Recruited honors STEM students
- Facilitated the STEM Scholars Scholarship applications and awards

Honors Program Advisor

- Advised students on honors course registration
- Advised students on transfer and scholarships

General Studies STEM Advisor

- Advised students on course selection and registration
- Advised students on major selection

PROFESSIONAL CONFERENCES

Beacon Conference, Summer 2023, Summer 2024 faculty mentor for student presenter

Maryland Collegiate STEM Conference, Spring 2024, faculty mentor for student presenter

AMATYC National Conference, Fall 2023, workshop presenter

MAA MathFest, Summer 2023, participant

MAA MD-DC-VA Section Meeting, Spring 2023 panel participant;

Shenandoah Undergraduate Mathematics and Statistics Conference, Fall 2022, faculty mentor for student presenter

National Collegiate Honors Council Annual Conference, Fall 2021, “STEM Honors Scholars: Reimagining an Honors Program for Community College STEM Students” workshop co-presenter

Regional Undergraduate Math Research Conference, Fall 2019, faculty mentor for student presenter

MAA MD-DC-VA Section Meeting, Spring 2019, attendee

International Conference on Technology in Collegiate Mathematics, 2018, attendee

MAA MD-DC-VA Section Meeting, Spring 2017, attendee

MAA MD-DC-VA Section Meeting, Spring 2016, attendee

History and Pedagogy of Mathematics Americas Section Annual East Coast Meeting, Spring 2013, attendee

PROFESSIONAL SERVICE

Academic Services Council

Secretary, 2022 – 2024

Sonya Kovalevsky Program Team

2018 – present

STEM Ambassadors Program

Co-launched the STEM Ambassadors Program in Fall 2019 with an initial cohort of 14 STEM Ambassadors.

STEM Transfer Student Success Initiative

Math Curricular Alignment Team, Fall 2013.

Germantown Faculty Senate

2013 – 2015

Part-time Faculty Committee

2011 – 2013

Faculty-PALS (Program for Active-Learning in STEM)

2013

Circle on the Road Workshop

Spring 2012

COMMUNITY SERVICE

Math Club at Montgomery College Lab School

Presenter, Spring 2021, Summer 2023

Clarksburg Math Circle

Organizer, Clarksburg, MD, 2017, 2019, 2020, 2022

Math Expo

Organizer, Germantown, MD, 2016, 2017, 2018, 2019

National Math Festival

Student volunteer organizer for the Bridges Mathematical Art Exhibit, 2019

Julia Robinson Math Festival

Organizer, Germantown, MD, 2018

MoCo Math Circle

Co-organizer, Germantown, MD 2012 – 2013

Adventures in Science Program at the National Institute of Science and Technology

Co-presenter, 2014

LANGUAGES

Mandarin Chinese: Native Speaker