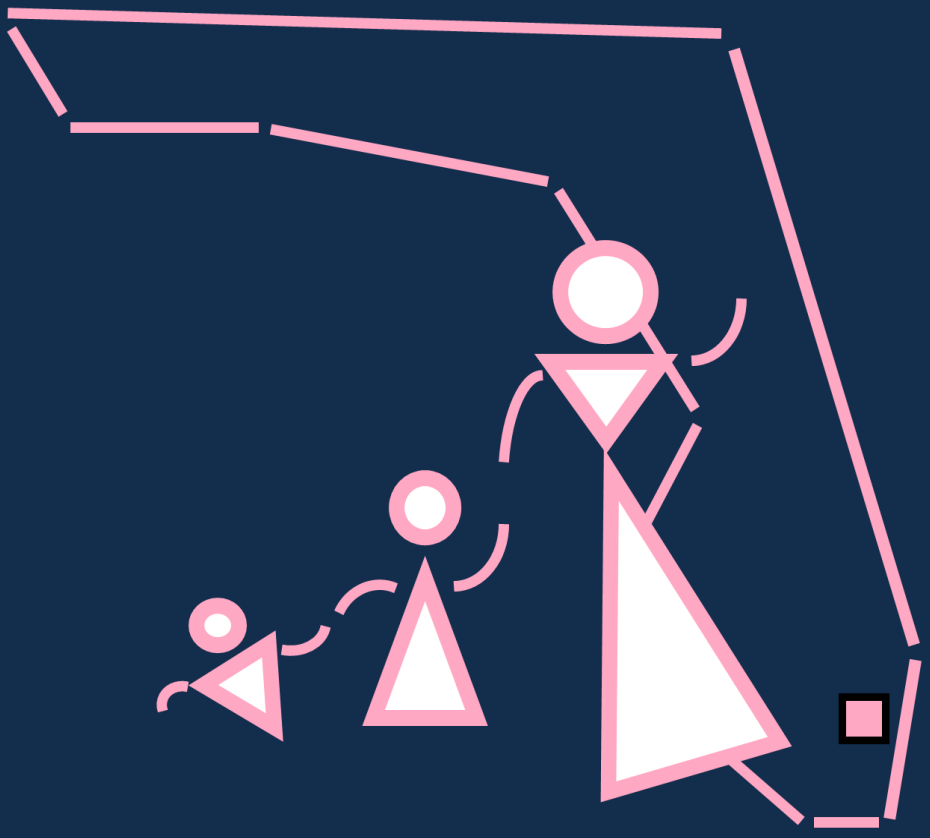
FLORIDA ATLANTIC UNIVERSITY
CHARLES E. SCHMIDT COLLEGE OF SCIENCE

Report on 5th Florida Women in Mathematics

FWIMD 2023



Florida Women in Mathematics Day

@ AWM FAU Student Chapter

Report on Florida Women in Mathematics Day 2023

https://sites.google.com/view/fwimd-2023/

The annual Florida Women in Mathematics Day (FWIMD) is a regular activity of AWM FAU Student Chapter. The primary goal of FWIMD is to create an annual meeting for young mathematicians, especially, females and minorities from different institutions and career stages. One of the key objectives is to encourage participants to share their research ideas and to motivate students to pursue their career in mathematical sciences fields. The organizers host the FWIMD in the spirit of collaboration to establish a supportive network for female mathematicians from different stages in their career. This year's FWIMD was held on Saturday, March 18, 2023. After the COVID lock down, this year's event of FWIMD was primarily in person, complemented with two research talks on Zoom, and one remote panelist. All activities occurred on campus at Florida Atlantic University, Boca Raton campus and simultaneously streamed on Zoom. There were participants from high school teachers, high school students, undergraduate and graduate students, postdoctoral researchers, university faculty members, and representatives from industry. The IAS WAM Advanced Graduate Ambassador/Graduate Ambassador worked with the executive board of the FAU Association for Women in Mathematics (AWM) student chapter to organize the event. The organizers are:

Anae Myers	WAM Ambassador
Tran Ngo	FAU AWM President
Yuganthi Liyanage	FAU AWM Vice President
Christian Corbett	FAU AWM Treasurer
Eda Kuluslu	FAU AWM Secretary
Korrina Melton	FAU AWM Public Representative
Yuan Wang	FAU AWM Faculty Advisor

This report is organized into three sections. In Section 1, we present a summary of the event and the financial report. We also discuss our current/future activities in Section 1. Program details and photos are included in Section 2.

1. Summary for FWIMD 2023

The Florida Women in Mathematics Day for this year was held on March 18, 2023. It was a highly successful event that achieved new milestones and set records for FWIMD. The event consisted of four sessions.

The upper-level Research Session had six impressive presentations from graduate students and faculty, with each presentation lasting around 10 minutes. After each presentation, there was a short period of about 5 minutes for questions and answers. This year's presenters included Albert Madinya from FAU, Chunmei Wang from University of Florida, Melissa De Jesus from Florida International University, Lubna Kadhim and Ruchita Sharma from Morgan State University (MSU), and Dominic Gold from FAU.

The keynote speaker for FWIMD 2023 was Dr. Evelyn Sander. The talk was hosted at the Fab Lab, the art fabrication laboratory at FAU. In her presentation, Dr. Sander discussed the floating configuration of 3-D printed models in media, including water, syrup, and oil. During this talk, the participants were invited to experiment for themselves by trying to find stable floating configurations for 3-D printed objects, like the letters in “FAU”, and other shapes. Her talk underpinned the usefulness of mathematics when investigating a real-world problem, and furthermore it served as a great introduction to the field of dynamical systems. Dr. Sander introduced the concept of bifurcation at a high-school level by showing a computer program that models the rotation angle required for a stable configuration as a function of the density of the medium. After her talk, all participants were invited for a quick tour around Fab Lab, and how to use the computer systems to create complex 3D designs and virtual reality projects.

During lunchtime, the participants headed to the FAU Atlantic Dining Hall. They were then divided into smaller groups for networking purposes.

The invited speaker for FWIMD 2023 was Dr. Stephen Locke. Dr. Locke is the chair of FAU Mathematics Science Department. In his presentation, Dr. Locke gave an overview of the field of combinatorial game theory. To begin, he had everyone participate in a subtraction variant of the game of Nim, and after enough rounds, he invited the participants to see if, given a certain initial number of piles, could they determine if Player 1 or Player 2 had a winning strategy. After the pattern for who had a winning strategy was determined, Dr. Locke went into an introduction on Grundy numbers, and showed how finding patterns in Grundy numbers can lead to a determination of which player had a winning strategy for more generalized combinatorial games. Finally, Dr. Locke went through different games where, even though the rules were easy to understand, determining which player had a winning strategy was

still an open problem, showing the participants that combinatorial game theory is still an active research area.
The last session was the Career Panel Discussion, moderated by Korrina Melton from FAU, and featuring five speakers with diverse backgrounds: Maura Sullivan from Spanish River High School, Veronika Kuchta from Florida Atlantic University, Tim Adams from NASA, and Samantha McLeod from NCCI. The session lasted for approximately one hour, and dialogue between participants and speakers occurred with varied questions about pursuing a career in academia/industry and the obstacles that female mathematicians/student face today.

Refreshments and final networking concluded FWIMD 2023. Most of the event was recorded and published on AWM FAU Channel:

https://www.youtube.com/channel/UC6NPkZOuH0aSYdC5DJ1_KTQ

The event was successful in terms of both attendance and engagement.

Financial Report

The main expense of the grant was used to organize FWIMD 2023. Due to the generosity of IAS WAM, we can use the leftover funding from last year to sponsor travel grants for our keynote speaker, Evelyn Sander, and two presenters from Morgan State University to attend the conferences and present their research. Together with that, FAU Mathematics Department was very open-handed in providing a $500 matching grant. We are grateful to FAU Mathematics Department and IAS WAM for aiding us and encouraging us in the mission.

Table 1: Financial Report

Budget	Details		Expense
	IAS: Support for organizers	$1000	
	IAS: Postdoctoral/Advanced Graduate Ambassadorship	$2500	
	Graduate Ambassadorship Chapter Activities – Dare to Bee Mentoring	$500	
	FAU Math Department Matching	$500	
	Leftover funding from IAS WAM 2022	$1000	
Total Budget		**$5500**	
Total Expense			**$5,341.59**
Leftover Funding for 2023		**$158.41**	
FWIMD 2023	**Total Expense for FWIMD 2023**		**$4810.05**
	Support for FWIMD Organizers		$1000
	Keynote and Invited Speaker Awards		$225
	Keynote speaker – Accommodation		$360
	Keynote speaker – Transportation		$802.36
	Presenter 1 – accommodation + transportation		$728.685
	Presenter 2– accommodation + transportation		$728.685
	Coffee/morning refreshments - Breakfast		$300.75
	Lunch		$188.8
	Afternoon refreshments		335.05
	Dinner for organizers and speakers		$140.72
Dare to Bee Program	**Total Expense for Dare to Bee Program**		**$531.54**
	Certificates		66.97
	Chess Tournaments		431.65
	Teatime Expense		32.92

Please note that some figures are not exact yet since the exact costs are not posted, but they should be close to the actual costs.

Chapter Activities from 2022 – 2023

The AWM FAU Chapter organized several events and activities for its members throughout the academic year. These activities are aimed to promote our mentoring program Dare To Bee, in which faculty mentor college students, and those same students mentor high school students. Including:

- The Chess Tournament. In 2022, after a year had passed since FAU students had returned to campus from quarantining during the height of the COVID-19 pandemic, members of FAU AWM felt that, in addition to academic and emotional hardship, the overall feeling of social well-being and camaraderie had diminished from what it was before the quarantine period. To assuage this feeling, FAU AWM organized a chess tournament open to all participants, including high school students, undergraduate students, graduate students, and faculty members. Thanks to the chessboards and timers provided by FAU High School's Chess Club, the tournament was able to host six simultaneous timed matches, allowing many participants while keeping the time frame of the event from being too drawn-out.
- Teatime is a regularly held event aimed toward students, and typically showcases a speaker to help with professional development. In the past, there have been many featured events hosted during Teatime; some topics include internship opportunities, live broadcasts from AWM events, a month-long blockchain workshop and seminar, and many more. These events are accompanied by various selections of teas and food to entice the hungry student. Some special sessions of Teatime included.
    - Teatime with Amish Mishra with a talk about his summer internship experience.
    - Teatime with Dr. Monical Hurdal from Florida State University about job seeking and application.
    - Teatime with Dominic Gold with a talk about "How to give a good talk."
- Participated and presented FAU Mathematics Department to support the Diversity in Science Festival at FAU.
- Social Events: we support the Mathematics Department in hosting the department picnic day. The main goal is to bring faculty and graduate students together.

During the fourth year of FAU AWM, we discovered multiple effective channels for connecting with women in the mathematics field. During the recent FAU AWM meeting, many participants shared their valuable ideas for the organization's future direction. Some of the notable suggestions included emphasizing career development and professional preparation, conducting workshops on effective job applications for academia and industry, and partnering with other AWM chapters to expand the reach of the organization's mission. We plan to continue to organize a series of workshops on Professional and Career Development, featuring guest speakers from various industries. We believe this initiative will present numerous internship opportunities for FAU students while also aiding us in obtaining

funding for our chapter activities. The leftover funding of around $158.41 will be used to invite speakers to our AWM Tea Time Event during Summer and Fall 2023.

2. Program Details

Event Schedule

	UG, GR, Postdocs, Faculty	*High school students*
08: 30 – 09:15	Registration (SE 215)	
09:00 – 09:15	Welcome/Introduction (SE 215)	
09:15 – 10:45	Research Presentations (Zoom and SE 215)	
10:45 – 11:00	Coffee and Networking	Welcome/Introduction
11:00 – 12:00	Keynote Speaker – Evelyn Sander (Fab Lab)	
12:00 – 01:15	Group Photo, Lunch, Speed Mentoring (FAU Dining Hall)	
01:30 – 02:30	Invited Talk – Stephen Locke (SE 215 and Zoom)	
02:45 – 03:45	Career Panel (SE 215 and Zoom)	
03:45 – 04:45	Celebration, Refreshments, final Networking (SE 215)	

Building Code SE – 43: Science and Engineering Building
Fab Lab: Engineering East building EE-96 in Gangal Hall

Schedule of Research Session

	Speaker	Institution	Title
09:15 – 09:30	Albert Madinya	Florida Atlantic University	Topologizing the Space of Minimal Primes of an M-Frame
09:30 – 09:45	*Chunmei Wang*	*University of Florida*	Weak Galerkin and Primal-Dual Weak Galerkin Methods for PDEs
09:45 – 10:00	Melissa De Jesus	Florida International University	A Doubly Nonlocal Cahn-Hilliard Equation for Subdiffusive Processes
10:00 – 10:15	Lubna Kadhim	Morgan State University	Analysis of a couple of dynamical systems associated with cancer treatment
10:15 – 10:30	Dominic Gold	Florida Atlantic University	Homomorphic Encryption Will Save Your Privacy (and the World)
10:30 – 10:45	Ruchita Sharma	Morgan State University	Study of Vector Machine Classifiers and Applications

Presentation Titles and Abstracts

Topologizing the Space of Minimal Primes of an M-Frame

09:15
SE 215

Albert Madinya
Florida Atlantic University

An M-frame is an algebraic frame possessing a unit and satisfying the Finite Intersection Property. Given an M-frame, call it L, we can topologize the set of minimal prime elements of L, which we will denote by Min(L). One such way we could topologize Min(L) is with the Zariski topology as is done with the prime ideals of a commutative ring. The other is the inverse topology which has a similar construction to that of the Zariski topology. Our aim in this talk to is to study these topological spaces and the interplay that exists between the topological properties of Min(L) and the frame-theoretic properties of L.

Weak Galerkin and Primal-Dual Weak Galerkin Methods for PDEs

09:30
Zoom

Chunmei Wang
University of Florida

The speaker will discuss the basic ideas and advantages of weak Galerkin methods and primal-dual weak Galerkin methods for solving PDEs.

A Doubly Nonlocal Cahn-Hilliard Equation for Subdiffusive Processes

09:45
Zoom

Melissa De Jesus
Florida International University

The classical Cahn-Hilliard equation (CHE) was originally introduced to model phase separation, a phenomena in which abinary mixture begins to separate after it reaches some critical temperature. With the use of nonlocal operators, we are able to model separation in less traditional setting mediums that may not have be govern by the same laws. For this, we consider a doubly nonlocal Cahn-Hilliard equation (dnCHE). To further extend our applications we add to our classical time derivative a time kernel that allows us to model subdiffusive processes. In doing so, this modification can be used to model dynamic processes in which particles are thought to have some 'memory'. We establish both the existence and uniqueness of a solution to this modified equation. Then, using an explicit scheme we numerically approximate our solution in the special case when our new kernel gives us the Caputo Fractional Time Derivative. We convince ourselves numerically of some convergence to that of the mild solution of the dnCHE when the order of the fractional derivative approaches 1.

Analysis of a couple of dynamical systems associated with cancer treatment

10:00
SE 215

Lubna Kadhim
Morgan State University

In this research we consider two dynamical systems associated with cancer treatment. The two dynamical systems are derived from two free boundary problems modeling tumor growth and cancer treatment by combination therapy. By analyzing the fixed points and their linear stability, we study the asymptotic property of the solution and its dependence on the dose levels of the drug.

Study of Vector Machine Classifiers and Applications

10:15
SE 215

Ruchita Sharma
Morgan State University

In this study, we briefly describe the Supervised and Unsupervised Algorithms for Machine Learning. Then, we investigate Support Vector Machine in depth, study the mathematical algorithm and kernels. Finally, we provide an application of Support Vector Machine in classification of 176 countries affected by Coronavirus based on the number of people affected and deceased due to the virus.

Homomorphic Encryption Will Save Your Privacy (and the World)

10:30
SE 215

Dominic Gold
Florida Atlantic University

Data science has become one of the most important fields for the progression of human civilization. However, some data that would greatly benefit from being carefully studied (medical, biometric, financial, etc.) must be kept private for both the safety of the data provider and data scientist. Homomorphic encryption offers a solution to this problem by allowing addition and multiplication directly on encrypted numbers. In turn, these building blocks enable even the most robust of computational tasks. This talk offers a soft introduction to homomorphic encryption, its applications, and implications directly to human society as a whole.

Keynote Speaker

Dr. Katherine E. Stange

George Mason University

Evelyn Sander is a Professor in the Department of Mathematical Sciences at George Mason University, working in the fields of dynamical systems and mathematical design and visualization, with a focus on 3D printing. She now serves as the Editor-in-Chief of the SIAM Journal on Applied Dynamical Systems and previously served as Section Editor of SIAM Review Research Spotlights section and the Editor-in-Chief of DSWeb Magazine. She has graduated five PhD students and regularly mentors undergraduate research.

Hybrid Lecture: March 18th, 11:00 AM.
Fab Lab and Zoom.

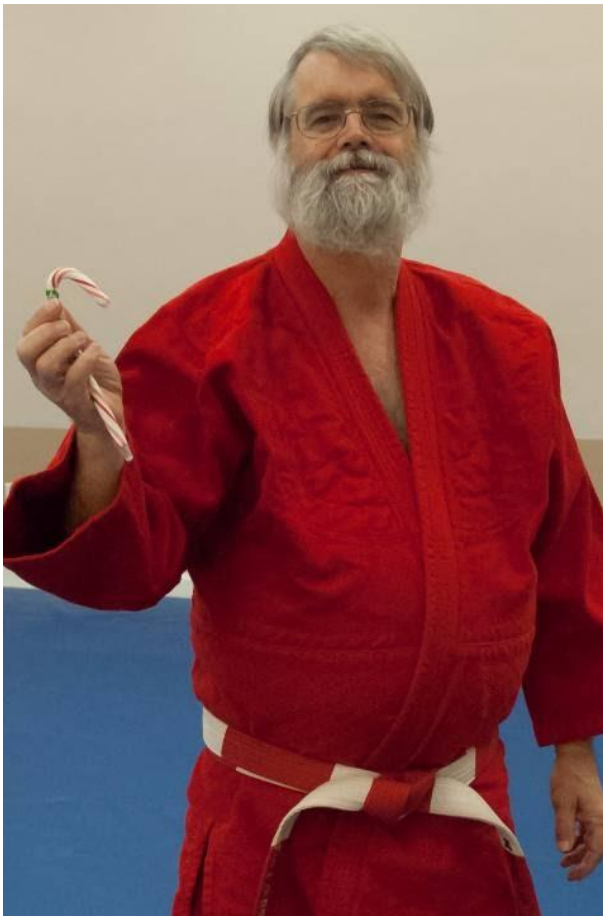
Stable floating configurations for 3D printed objects

Abstract.
This talk concentrates on the study of stability of floating objects through mathematical modeling and experimentation. The models are based on standard ideas of center of gravity, center of buoyancy, and Archimedes' Principle. There will be a discussion of a variety of floating shapes with two-dimensional cross sections for which it is possible to analytically and/or computationally a potential energy landscape in order to identify stable and unstable floating orientations. I will also discuss the case of objects floating between two fluids, such as oil and water. I then will compare the analysis and computations to experiments on floating objects designed and created through 3D printing. The talk includes a brief demonstration of code we have developed for testing the floating configurations for new shapes and an overview of the methods involved in 3D printing the objects.

This research is joint work with Dr. Dan Anderson at GMU, along with two graduate students and nine undergraduate students who participated in an undergraduate research program run by the GMU center MEGL assisted by the Math Makerlab.

High School Activities

Dr. Stephen C. Locke
Florida Atlantic University



Dr. Stephen C. Locke serves as the Chair of Mathematical Sciences. He earned his B.Math. and M.Math. from the University of Waterloo in Canada. As an undergraduate at UW, he was a member of the 1974 winning team on the prestigious William Lowell Putnam Mathematical Competition. His Ph.D. in Combinatorics and Optimization in 1982 was also earned at the University of Waterloo. In 1981, Dr. Locke was hired by FAU as an Assistant Professor, and in 1993 he was promoted to Professor. He served as Chair of the Department of Mathematics from 2000 to 2003 and as Associate Chair for a total of 20 years or more. Dr. Locke has over 40 publications in Graph Theory and has recently published in Combinatorial Game Theory. He has had three Ph.D. students graduate. He is a regular member of the department's problem-solving group. Dr. Locke is a Rokudan in Judo, a Godan in Ju-Jitsu, and plays tournament bridge.

Career Panel

Maura Sullivan
Teacher, Spanish River High School

I'm a lifelong lover of math! I enjoy the beauty of math and find the applications of math fascinating. For 10 years, I worked as an actuarial assistant in the reassurance and life insurance industry. For the past 17 years, I have been sharing my passion for mathematics with high school students (first in Massachusetts, and for the past 6 years here in Florida). Last year, I decided to study more about the physics applications of mathematics and am now teaching AP Physics C: Mechanics as well as AP Calculus AB and BC. I love math puzzles and am constantly solving Sudoku puzzles.

Veronika Kutcha
Assistant Professor, Florida Atlantic University, FL

Veronika's main research areas are in post-quantum cryptography, the area of cryptography which is supposed to secure our digital communications also in presence of quantum computers. She is working on the design of new cryptographic systems which will resist quantum attacks and can be used in such applications as blockchain, health-care systems and other real-world scenarios. After her master's degree in mathematics from Heidelberg University in Germany, Veronika has collected a broad international research experience at universities in United Kingdom (PhD from University of Surrey), Belgium (Post-Doc at Universite libre de Bruxelles) and Australia (Post-Doc at Monash University and Lecturer at The University of Queensland). She joined Florida Atlantic University in November 2022 as Assistant Professor in the Department of Mathematical Sciences.

Samantha McLeod
Actuary, National Council on Compensation Insurance, FL

Samantha McLeod is an Executive Director & Actuary in the Actuarial & Economic Services department of National Council on Compensation Insurance (NCCI) where she has worked for the last 15 years. She leads the actuarial team responsible for calculating and setting reserves for the residual market reinsurance pools in NCCI states. McLeod graduated from Florida Atlantic University with a master's in mathematics and applied statistics. She is a Fellow in the Casualty Actuarial Society and a Member of the American Academy of Actuaries.

Tim Adams
Senior Engineer, NASA, FL

Tim Adams is a Senior Engineer in the Engineering Directorate for the NASA Kennedy Space Center. His specialty is quantitative Reliability. Tim began his NASA career at the Johnson Space Center in the Mission Operations Directorate, the organization that trains astronauts (flight crews) and flight controllers, as a consultant and specialist on the systems-engineering approach to training. In addition, Tim is:

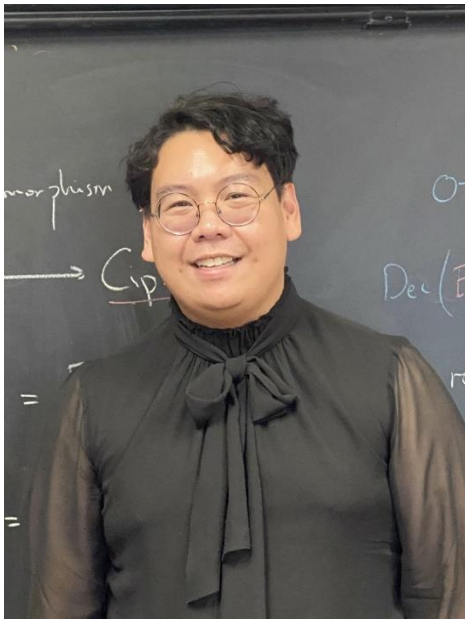
· The technical editor of the "KSC Reliability," a public website at https://extapps.ksc.nasa.gov/Reliability/,

· An active Certified Reliability Engineer (CRE) with continuous three-year recertifications since 1994 with the American Society for Quality, and

· The recipient of three NASA medals as well as the Silver Snoopy Award in Reliability and Superior Achievement Award in Management. Tim's education is in Mathematics, Education, and Management.

Research Presenters and Organizers

Dominic Gold
Florida Atlantic University



Dominic Gold is a 5th year graduate teaching assistant at Florida Atlantic University who studies both cryptography and data science, with his main interest in secure/privacy-preserving machine learning on encrypted data. The intersectionality of his research in homomorphic encryption and topological data analysis shows promising implications for research in both fields. The ultimate goal of this work is to enable real-time predictions on encrypted data.

Outside of academics, Dominic Gold has also worked for multiple start-up companies using his expertise in both cryptography and data science. He is currently applying for the NSF Post-Doctoral Fellowship with the aim to enter an academic profession.

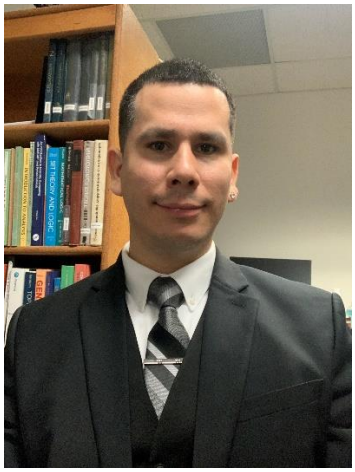
Melissa De Jesus
Florida International University

Melissa De Jesus is a current PhD student in Applied Mathematics at Florida International University working with nonlocal mathematical models. Previously, she received her master's degree from Florida Atlantic University in May of 2020. Currently, she is focusing on modeling phase separation with subdiffusion processes.

Lubna Kadhim
Morgan State University

I'm Lubna Kadhim, I'm a mathematics lecturer at Morgan State University. I received my bachelor's degree in mathematics from Baghdad University in 1995. I taught high school math for many years until I migrated to the US 10 years ago. I enrolled Master's Program in 2018 at Morgan State University then I received my degree in Spring 2020 in Biomathematics, I immediately started working on my PHD in Fall 2021 and I anticipate to graduate in 2025 which will be in pure Mathematics. During the period from 2018 to 2021, I worked as a TA (Teaching Assistant) at the University then last year (2022) I started working as a full-time lecturer

Albert Madinya
Florida Atlantic University



My name is Albert Madinya. I am a left-handed, Spanish speaking, Taylor Swift music loving, aspiring mathematician student here at FAU. I was born in the Bronx, N.Y. by South American parents. I moved to Florida when I was 11 years old. At the age of 26 I decided to go to college. So far I've managed to obtain both a Bachelor's and Master's degree in Mathematics here at FAU. I am currently working on my doctoral degree under the guidance of my Ph.D. advisor Dr. Papiya Bhattacharjee.

Ruchita Sharma
Morgan State University

Ruchita earned her bachelor's degree in general science from Panjab University in India in 2014. She taught high school mathematics for one year in India. She came to the United States in 2016 and got admitted in Respiratory Therapy Program but soon she realized her interest in Mathematics. She worked as a laboratory technician in Baltimore City Community College for one year. In 2019, she got admitted in Morgan State University's Master of Arts Program in Mathematics. Ruchita started teaching as a graduate teaching assistant at Morgan State University in Fall 2019. She has studied under the supervision of Dr. Ahlam Tannouri. Her research interest is to create new mathematical algorithms to design Machine Learning models. She graduated from Morgan State University in December 2020 and is working as a mathematics lecturer at Morgan state University ever since.

Chunmei Wang
Morgan State University

Chunmei Wang is an expert in computational mathematics. Her main research interests are in finite element methods, weak Galerkin methods and deep learning methods for solving PDEs.

Tran Ngo
President of the AWM FAU Student Chapter

Tran Ngo is currently serving as the President of AWM FAU Student Chapter. She earned her master's degree in Computer Science at JAIST, Japan in 2016 and is now a Ph.D. candidate in Mathematics at Florida Atlantic University. Her research topics are algebraic number theory and cryptography. She also interested in quantum computing and combinatorics. In her spare time, she loves traveling and playing pickleball.

Yuganthi Liyanage
Vice President of the AWM FAU Student Chapter

Yuganthi Liyanage is currently serving as the Secretary of our student chapter. She received her bachelor's degree in Mathematics from the University of Kelaniya, Sri Lanka in 2016 and her master's degree from FAU in 2020. Currently, she is pursuing a Ph.D. in Mathematics. Her personal hobbies are traveling, indoor-outdoor games

Christian Corbett
Treasurer of the AWM FAU Student Chapter

Christian Corbett is currently serving as Treasurer of our student chapter. He received his bachelor's degree from FAU in Biology and Mathematics, and his master's degree from FAU in Mathematics in 2019. He is now a Ph.D. candidate researching abstract algebra and topology. His personal hobbies are playing sports and playing guitar.

Korrina Melton
Secretary of the AWM FAU Student Chapter

I received a master's degree in applied mathematics from Florida Gulf Coast University in 2021. Currently, I am pursuing a Ph.D in Mathematics. In my spare time, I enjoy playing video games, watching movies, or swimming.

Anae Myers
Ambassador of the AWM FAU Student Chapter

Anae Myers joined NCCI in 2012 after graduating with a BA in mathematics from Florida Atlantic University (FAU). After she became an Associate of the Casualty Actuary Society, her interest in mathematics led her back to FAU to pursue a PhD in harmonic analysis and interpolation theory. She returned to NCCI in 2020 and enjoys the challenge of applying her mathematical training to research opportunities there. Myers is currently finishing her dissertation. She remains involved in the mathematics community and mentoring initiatives for women and girls in mathematics.

Yuan Wang
Faculty Advisor of the AWM FAU Student Chapter

Dr. Wang received her Ph.D. degree in Mathematics from Rutgers University in 1990. Since then, she has been with the Department of Mathematical Sciences at Florida Atlantic University where she is currently a Professor. Dr Wang's research interests are in several areas of mathematical theory of systems and control, currently focusing on stability analysis for systems that are affected by time delays and disturbances. She received an NSF Young Investigator Award in 1994, and she is an IEEE Fellow. Dr. Wang has been engaging in promoting diversity in STEM. She is a member of Association for Women in Mathematics (AWM) and serves as a faculty advisor for the Student Chapter of AWM at her institute.

FWIMD 2022 Photos

Lubna – Research Presentations

Albert – Research Presentations

Evelyn – Keynote Talk

Career Panel Discussion with Tim presented virtually

Promotional Items

Stephen Locke – High school talk.

Tea Time with Amish

Tea Time with Dr. Hurdal

Dominic Gold presented “How to give a good talk”

FAU AWM members with champion Dr. Floyd Johnson and runner-up Mr. Bastian Weiss

Sponsors

IAS Women and Mathematics

AWM
ASSOCIATION FOR WOMEN IN MATHEMATICS

FAU DEPARTMENT OF MATHEMATICAL SCIENCES
CHARLES E. SCHMIDT COLLEGE OF SCIENCE

Acknowledgments

The Florida Women in Mathematics Day 2023 is organized by the Association for Women in Mathematics (AWM) Graduate Student chapter at Florida Atlantic University and Dr. Yuan Wang. We appreciate the generous financial support of Lisa Simonyi, the IAS Women and Mathematics Program, the Association for Women in Mathematics (AWM), the FAU Department of Mathematical Sciences, and the Charles E. Schmidt College of Science Office of the Dean. We thank the support from FAU Department of Mathematical Sciences. We also thank the volunteers, faculty, staff, career panelists and invited speakers Dr. Evelyn Sander and Dr. Stepen Locke, and ambassador Anae Meyers, all who worked diligently to secure the details of FWIMD 2023.

The organizers believe in the continuing potential for FWIMD to be a vehicle to support the community of women in mathematics across the state of Florida and across several levels of mathematics education. Thank you for this wonderful opportunity.