hio Focus

MAA Ohio Section Spring Meeting Scheduled at Xavier - March 25 - 26

The Spring 2022 meeting of the Ohio Section of the MAA will be held on the campus of Xavier University on Friday - Saturday March 25 - 26, 2022. Registration starting at 12 noon will take place at Geschke Terrace located in the Conaton Learning Commons (CLC); parking is available at the Cintas Center parking lot (circled on Campus Map page 9). The Leo Schneider Student Team Competition will be held in room 406 of the CLC beginning at 12 noon (see page 8 for more information).

Invited speakers are Bradford Findell from OSU, Section President David Stuckey from Defiance College, Ranthony Edmonds also from OSU and Matt DeLong from Marian University.(See pages 5 – 7 for bios and talk abstracts.) There will be Contributed Paper Sessions on Friday and Saturday (see page 8 for submitting abstracts).

Registration Information for Spring 2022 Meeting

Early registration helps with meeting arrangements and is always appreciated. You may visit the Section web site at http://www.maa.org/Ohio for one-stop registration, banquet reservation, and abstract submission. On-site registration and packet pickup will begin 12:00 p.m. on Friday March 25 at Geschke Terrace, adjacent to Kennedy Auditorium (Conaton Learning Center 412) where the meeting will open. Registration will resume at 8:00 a.m. Saturday.

The deadline for meeting pre-registration *with banquet reservations* is Thursday March 18th; last-minute banquet tickets cannot be guaranteed. Abstracts for contributed papers must be submitted by Tuesday March 15.

Meeting participants who cannot register online may register by mail by sending: name, affiliation, address, phone, e-mail address (if any), type of position, and banquet buffet reservation. Send with check, payable to Ohio Section MAA, for applicable fees [registration fee ($45 ordinary registration, $20 retired or part-time, no fee for students or first-time attendees), banquet fee ($30 per person)] to: Ohio Section MAA Meeting c/o Daniel E. Otero , Dept. of Mathematics, Hinkle 104, Xavier University, Cincinnati, OH 45207-4441]. Registration by mail will be pending receipt of registration fees.

From Our President - David Stuckey

Hello, everyone, and thank you for your part in the Ohio MAA.

This past October we celebrated a return to face-to-face meetings with the University of Toledo hosting the Fall Meeting for us. While we understand that many could not attend for a variety of reasons, we are so glad for the 35 who were able to be there. More than once, a speaker shared that this was their first live presentation in over a year, so it was an adjustment for all of us. We are grateful to Najat Baji, the chair of the Program committee, who lined up a fine set of invited speakers, as well as to the contributed paper presenters who filled our Friday afternoon sessions with many good topics. It was good to hear about the research from faculty and undergraduates and there was a fine representation of students from Case Western. An additional aspect of the meeting that I appreciated was the time that we could spend in the spacious lobby, just talking with each other and catching up on what has been happening in our lives. Once more, we thank Jim Anderson for organizing a successful event.

My hope is that our situation will have improved so that more will be able to come to the Annual Meeting on March 25 – 26. It will be hosted by Xavier University with Danny Otero serving as local arrangements coordinator. We appreciate his efforts and are looking forward to a good meeting under his careful planning. There is a bit of a tradition that every ten years, Xavier plays host to a meeting in the year ending in '2'. Starting in 1992, it was the Fall Meeting, and since then it has been held in the spring. If any other school would like to start a similar tradition, just let the officers know.

We also are pleased to extend congratulations to Adam Hammett as he is a recipient of the George Pólya Award. Adam's article, "Euler's Limit and Stirling's Estimate" appeared in *The College Mathematics Journal* in volume 51, issue 5. The award is given for articles of expository excellence published in this journal. You will have an opportunity to congratulate Adam in person as he will be the local arrangements coordinator for our Fall 2022 meeting at Cedarville University.

Finally, this is my last report as President of the section. When the term as President-Elect began, I knew that we had a strong collection of officers and leaders who could be relied upon to complete their assignments and contribute whatever was necessary for the section. We had no idea what that was going to entail. For those who were not familiar with that technology, we learned how to attend and host Zoom meetings. As a committee, we determined how to move forward with section activities and a few did the extra work of carrying out those plans. There was a virtual workshop as well as virtual Fall and Annual Meetings. Even arranging for the most recent meeting in person required so much extra effort to be sure all necessary precautions and plans were being made. It is dangerous to try to list all of the people who should be credited, but you can certainly include any of the officers, leaders and chairs listed elsewhere in this issue. In addition to these, we need to recognize the tremendous work of previous office holders, Katie Cerrone-Arnold, Barbara D'Ambrosia, and Matt Davis, who served as President, Secretary, and Program Chair, respectively during the greatest turmoil. To them and to each person who contributed, I am sincerely grateful and proud to have been on the team with them.

David Stuckey
Defiance College
Ohio Section President

From Our Section Representative - Phil Blau

I hope you all are doing well and having a good spring term. The MAA Congress section has not met since my last report in the fall, so this report will be brief. Tim Chartier of Davidson College finished his term as chair of the MAA Congress in January. I was impressed by his efficiency in running the meetings of the Congress last summer and by his dedication to the mission of the MAA to advance the understanding of mathematics and its impact on our world. In his goodbye to the Congress, he noted that all the meetings he chaired were done virtually; he was never in the same room with the congress but was still able to foster a sense of community and connection within the Congress. I look forward to working with Edray Going of Pomona College during his term as chair, including the next meeting just prior to MAA MathFest 2022, which will be held in Philadelphia on August 3-6. While this return to in-person MAA events at the national level is certainly welcome by the membership, I should add that the MAA has expanded its virtual programming beginning this spring, including panel discussion, minicourses, and research seminars. See https://www.maa.org/programs/virtual-programming for details and a schedule of upcoming events

One additional piece of information that I did not include in my last report was two new programs developed in partnership with the Association of Women in Mathematics and with the National Association of Mathematicians. These will bring excellent expositors and a diverse group of speakers representing early-career mathematicians to speak at section meetings. These will complement the George Polya lectureship in helping support programming at section meetings.

I want to continue to encourage you to engage with MAA Connect. There is an all MAA Member Community where you can ask questions and connect with any member, communities for each Section, and private communities for each SIGMAA that you have joined. The discussions in Online Teaching and Distance Learning Community were very helpful for me with the abrupt shift to distance learning in the early days of the pandemic. Explore some of the communities by clicking on the Communities tab and changing the filter to "communities I can join."

I truly want to thank you for giving me the opportunity to serve our section as a member of the MAA Congress. You can contact me at pblau@shawnee.edu with any suggestions, questions, or things you want me to bring to the attention of the Congress.

Campus Notes

From Chris Swanson at Ashland University: The Department of Mathematics and Computer Science welcomed Mohammad Ashrafuzzaman as an Assistant Professor of Cybersecurity at the start of the Spring 2021 semester. Mohammad received B.S. and M.S. degrees in Applied Physics and Electronics from the University of Dhaka, an M.S. degree in Computer Science from the University of Saskatchewan and a Ph.D. in Computer Science from the University of Idaho. His research areas are cybersecurity and machine learning. Also welcomed was Selvanayaki Kolandapalayam Shanmugam as an Assistant Professor of Computer Science at the start of the Fall 2021 semester. Selva received a B.S. degree in Mathematics and a Master's in Computer Applications from Bharathiar University, an M.B.A from Periyar University, an M.Phil. in Computer Science from Bharathidasan University and a Ph.D. in Computer Science from Anna University. She has 19+ years of experience teaching undergraduate and graduate programs and 4+ years of experience in guiding research scholars. Her research areas are image & video processing, machine learning and virtual reality

From Wiebke S. Diestelkamp at University of Dayton: Four faculty members joined the Mathematics Department of the University of Dayton in the fall of 2021. Gayan Warahena Liyanage and Matthew Wascher are tenure-track assistant professors, and Chris Christman and Dan Neugebauer are lecturers. Gayan earned a PhD in Statistics and Analytics from Central Michigan University in 2021. Matthew earned a PhD in Statistics from The Ohio State University in 2020. He spent the following year as a postdoc on the OSU COVID Monitoring Team. Chris earned an MS in Applied Mathematics from Wright State University in 2016, and Dan obtained an MS in Applied Mathematics form UD in 2021. Alan Veliz-Cuba earned tenure and was promoted to Associate Professor.

From Catherine (Kate) Lane at Baldwin-Wallace: Brent Strunk is on sabbatical during the spring 2022 semester. Catherine Lane is currently acting as department chair during Brent Strunk's sabbatical. The math department in now fully moved into the new Knowlton Center

From Barbara D'Ambrosia at John Carroll: Patrick Chen (Mathematics), Barbara D'Ambrosia (Mathematics), Dan Palmer (Computer Science), Linda Seiter (Computer Science), and Paul Shick (Mathematics) will be retiring from the John Carroll University in May, 2022.

Both a Banquet and a separate Student Pizza Party will be held in the Health United Building (HUB) in rooms 402 and 102/103 respectively. The Student Pizza Party is free; Banquet tickets will run $30 for the buffet style dinner; options for the entrée are chicken and fish, along with pasta and vegetables for vegetarian diners. Options can be selected at registration, available online through the Ohio Section website and in person at the meeting.

Following the after banquet invited talk on Friday evening will be the Ohio Section's Annual Business meeting.

Project NExT information was unavailable at Newsletter print time but once a program is finalized the committee will try to reach out to potential Project NExTers via a mailing list .

Some background about Xavier: Xavier University is a Jesuit Catholic private university in Cincinnati, devoted to a tradition of education in the liberal arts. It is the fourth oldest of the 28 Jesuit colleges and universities in the United States. Founded in 1831 as a men's college in downtown by the bishop of Cincinnati, Xavier was handed over to the Society of Jesus (the Jesuits) in 1840 and then moved to the present site in Evanston in 1912, admitting women as students in 1969. Today, Xavier enrolls just under 5000 undergraduates and 2000 graduate students; its four colleges offer more than 90 undergraduate major programs and 60 minor programs (including a major and minor in Mathematics, a major in Actuarial Science, a minor in Statistics and a minor in Applied Mathematics housed in the Department of Mathematics), and more than 30 graduate programs (including a highly respected Executive MBA and graduate degrees in Clinical Psychology, Nursing and Montessori Education).
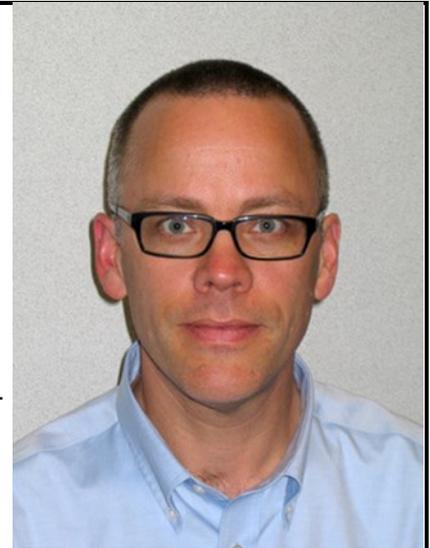
Friday March 26 -1:30 - 2:30 PM

Speaker: Bradford Findell, The Ohio State University

Title: Active Learning Through Classroom Applets in Linear Algebra and Geometry

Abstract : GeoGebra classroom allows students to work simultaneously on the same "lesson," providing the instructor simultaneous views of all the students' screens. Desmos provides similar capabilities. Instructors can then share individual student solutions and interact with them during whole-class discussions. This active presentation will share some particularly fruitful lessons from an undergraduate Linear Algebra course, along with other lessons designed for undergraduate Geometry courses for teachers. Bring your laptop or tablet!

Bio: Dr. Bradford R. Findell serves as Associate Director, Mathematics Programs for Teachers, in the Department of Mathematics at The Ohio State University, where he develops and teaches a variety of mathematics courses. He has served on many statewide committees focusing on K-12 mathematics standards, the transition between high school and college, and the mathematical preparation of teachers. He was a member of the Mathematics Work Team that wrote the Common Core State Standards and is a former President of the Association of State Supervisors of Mathematics.

Previously, Brad was the Mathematics Initiatives Administrator at the Ohio Department of Education. Before moving to Ohio, he was on the faculty in mathematics education at the University of Georgia, where he was deeply involved in drafting, revising, elaborating, and implementing the Georgia Performance Standards in mathematics. He has also served as a staff member at the National Research Council (NRC), working on various mathematics education projects including *Adding It Up: Helping Children Learn Mathematics* (NRC, 2001) a synthesis of the research literature on the teaching and learning of mathematics in grades K-8. He has taught mathematics courses and lessons in elementary through graduate school, focusing mostly on high school and undergraduate mathematics and on the preparation and professional development of teachers.

Friday March 25 - 2:50 - 3:50 PM

Speaker: David Stuckey, Defiance College

Title: Service Learning Projects in an Operations Research Course

Abstract: When I arrived at Defiance College as a new faculty member, one college goal was to have a service learning component to every major. Operations Research seemed like a good source for such projects. Over the years, the students have completed a variety of service projects and have indicated satisfaction with this aspect of their studies. This talk will examine the nature of these projects, what worked and what didn't, and tips for what could make the project go better (sometimes obvious in hindsight). As each class requires a new project, we can also accept ideas for future students to tackle.

Bio: David Stuckey has been teaching college mathematics for 28 years, 21 of them at Defiance College. A native of northwest Ohio, he completed his undergraduate degree at Defiance College before getting a master's degree in Mathematics at Miami University (Ohio). He spent some time in the South, holding positions at Florida State University and Tallahassee Community College before returning to the Ohio Section. While he was at Marshall University, that school hosted the Ohio MAA section meeting, allowing him to renew old friendships. Shortly after that, the opening at Defiance College allowed him to complete the circuit and return home. In 2018-19, David was an Associate Fellow for the McMaster Panama learning community, assisting in the community-based research for seven undergraduates in a variety of disciplines. In 2021 he was chosen for the Richard W Stroede Distinguished Faculty Award. His research interests include the Twin Prime Conjecture and gaps between primes.

David has served the Ohio section as a member of CONCUR and editor of Ohio Focus and is completing his term as section president. His interests include vocal music, community theater, church activities, jogging, family, and attending students' athletic contests and creative accomplishments.

Friday March 25 - 7:00 - 8:00 PM

Speaker: Ranthony Edmonds, The Ohio State University

Title: Death to Determinants

Abstract: What exactly is a determinant of a square matrix? What would happen if we excluded the concept from a first course in linear algebra? In this talk we highlight some mathematical contributions from Dr. William McWorter Jr., the first African American to earn a PhD from the Department of Mathematics at The Ohio State University. In particular, we note some of his work towards 'the dearth of determinants' through determinant-free algorithms for standard linear algebra computations

Bio: Dr. Ranthony A.C. Edmonds is an NSF MPS Ascending Postdoctoral Researcher at The Ohio State University. Her research interests include commutative ring theory, applied algebraic topology, and mathematics education. She earned a PhD in Mathematics in 2018 from the University of Iowa, an MS in Mathematical Sciences from Eastern Kentucky University in 2013, and a BA in English and a BS in Mathematics from the University of Kentucky in 2011.

Dr. Edmonds is driven to help build community in mathematics. She has a passion for using hidden narratives in mathematics to enact her career mission: to increase access to mathematics through community engaged scholarship.

In 2019 she co-created the first service-learning course in the Department of Mathematics at The Ohio State University entitled, 'Intersections of Mathematics and Society: Hidden Figures.' In 2021 she was awarded a Racial Justice Grant as the PI of the project "Hidden Figures Revealed: Dynamic History and Narratives of Black Mathematicians from The Ohio State University," which is the first comprehensive study of black mathematicians at a single US institution.

When she is not 'mathing' Dr. Edmonds enjoys strength training, cycling, and hiking. She is also an avid indoor gardener with an average of 10 plants in every room in her house. She is married to a photographer and videographer named Joshua and together they love to cook and take care of their black cat named Neon

Saturday March 26 - 9:35 - 10:35 AM

Speaker: Ranthony Edmonds, The Ohio State University

Title: Math, Metrics, and Democracy

Abstract: If we begin with two objects, call them Thing 1 and Thing 2, how do we know when they are alike? One approach is through metrics, which allow us to make precise the notion of distance between two objects. If Thing 1 and Thing 2 are very close with respect to a particular metric, we may be able to conclude that they are similar.
In this talk we will focus on some common metrics and their applications with a focus on shape comparison and classification. In particular, we will discuss the Hausdorff metric, and its potential applications in electoral redistricting.

Saturday March 26 - 12:00 - 1:00 PM

Speaker: Matt DeLong, Marian University

Title: Child's Play—Mathematical Exploration and Exposition at MathPath

Abstract: MathPath is a four-week residential summer program for students aged 11-14 showing high promise and interest in mathematics. As Academic Director of the camp, I hire faculty and oversee the course offerings. I also help grade the Qualifying Test and run the Writing Plenaries at camp. In this talk I will give an overview of the MathPath program, share some of my favorite Qualifying Test problems from recent years, and discuss our approach to developing the campers as mathematical writers.

Bio: Matt DeLong is Professor of Mathematics and Chair of the Department of Mathematics at Marian University in Indianapolis. His Ph. D. is from the University of Michigan. Matt was awarded the Alder and Haimo awards for distinguished teaching from the MAA. He has served the MAA in various capacities including a decade on the leadership team of Project NExT, a recently concluded term as Chair of the Indiana Section, and an upcoming term as Chair of the Council on Meetings. Matt is also Academic Director of MathPath, an advanced summer program for middle-school students.

A Math Puzzle: Famous Sequences / What Comes Next?

1, 1, 2, 3, 5, ?	1, 3, 6, 10, 15, ?	1, 4, 10, 20, 35, ?
1, 2, 6, 24, 120, ?	2, 3, 5, 7, 11, 13, ?	143, 323, 899, 1763, ?
1, 4, 9, 16, 25 ?	1, 8, 27, 64, 125, ?	1, 4, 27, 256, 3125, ?
3, 7, 31, 127, ?	6, 28, 496, 8128, ?	3, 5, 17, 65, 257, 65337, ?

Call For Contributed Papers

Call for Presenters for Contributed Paper Sessions

Fifteen-minute presentations on any topic of general interest in mathematics or related areas are encouraged for the Contributed Paper Sessions on Friday afternoon and Saturday morning at the Spring Ohio Section meeting. Your reports on projects, research announcements, or anything you believe would be of interest to those in attendance are welcome. Contributors should send a title and brief abstract by Tuesday, March 15, 2022.

Online submission with your meeting registration (at http://sections.maa.org/ohio/) is strongly preferred, but if necessary, you may submit your title and abstract to the chair of the Program Committee, Najat Baji, by e-mail at najat.baji@sinclair.edu or by U.S. mail at

Najat Baji
Sinclair Community College
Dept. of Mathematics
444 West Third St.
Dayton, OH 45402-1460

Abstracts should be between 25 and 75 words in length and should employ proper English grammar and spelling. One speaker per session is greatly preferred, but two speakers in one session can be accommodated if necessary. Please use only plain text in your title and abstract as the abstract submittal system cannot process TeX or another graphics code.

Contributed Talks by students are strongly encouraged

All the rooms have a computer with easy hookup for a laptop, a projector, and a 3-D overhead projector

Leo Schneider Student Mathematics Competition
Friday, March 25: 12-1:20pm

Undergraduate students from institutions of the Ohio section are invited to participate in the 18th annual Leo Schneider Student Mathematics Competition.
This year's competition will take place on Friday, March 25 from noon until 1:20. Rules and registration information, as well as copies of previous years' problems and their solutions, can be found on the Ohio Section Student Member website, http://constum.ohiomaa.org/. Cash prizes ($150 for first place, $120 for second, and $90 for third) will be awarded on Saturday to the top three teams.
Questions about the competition or other student activities can be addressed to the chair of CONSTUM, Matthew McMullen, at mmcmullen@otterbein.edu.

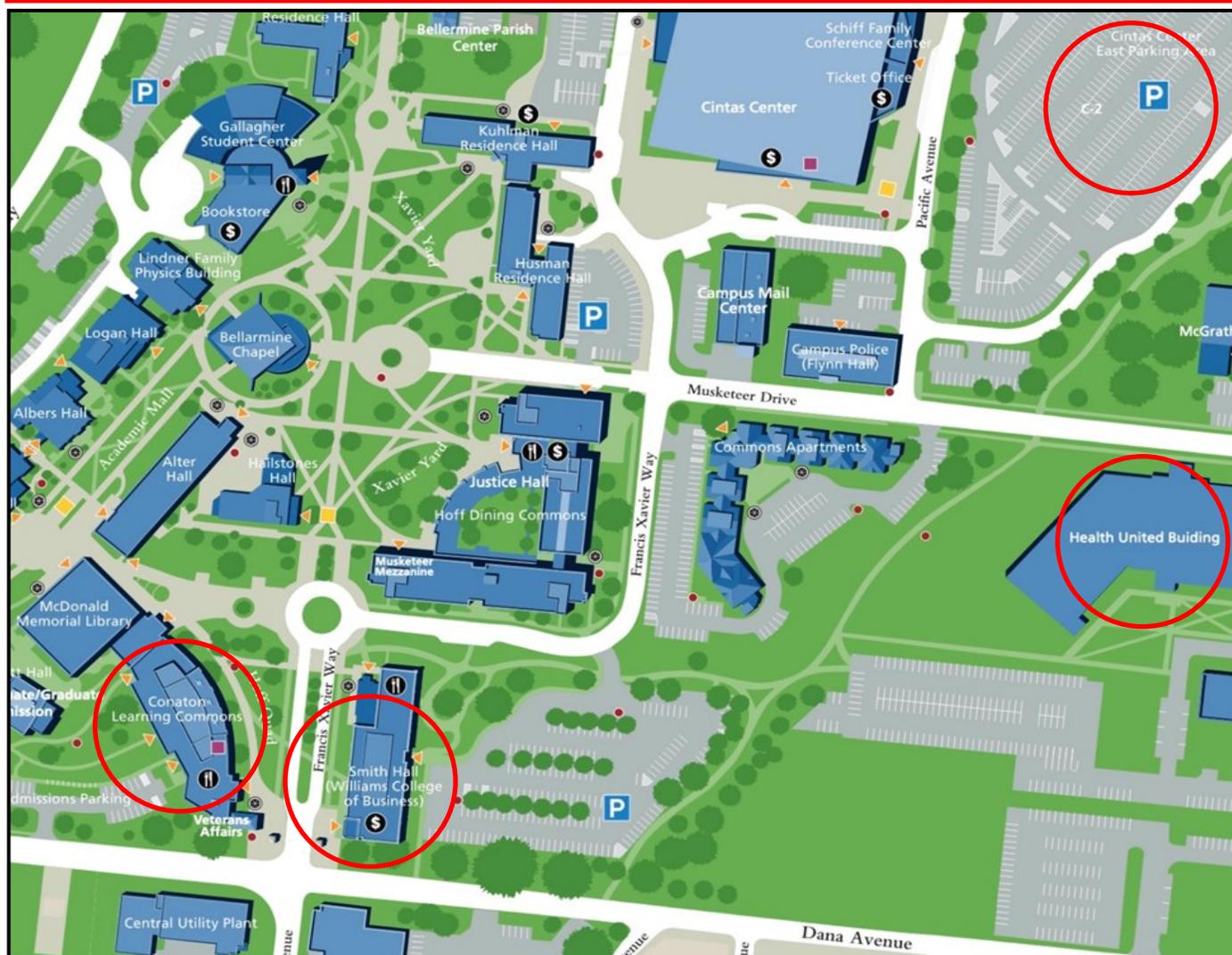### Sample problems from the 2021 team competition:

1. Find $\int_{-1}^{8} \sqrt{1 + \sqrt{1 + x}}\, dx$.

2. How many sequences of length 10 consisting of letters drawn with replacement from the set
$$\{M, A, T, H\}$$
have the letters in alphabetic order?

3. You roll three fair six-sided dice. Find the probability that the product of the three numbers rolled is a perfect square.

Ohio Section Nominations For Officers For 2022
Dr. Alexis Byers for Program Committee.

Alexis Byers is an Assistant Professor of Mathematics at Youngstown State University, where she has been teaching since she received her Ph.D. from Western Michigan University in 2018. Alexis received her B.S. in Mathematics from Wittenberg University in Springfield, Ohio in 2014. Her research interests are in graph theory and combinatorics. Specifically, she works in the areas of graph colorings, graph labelings, and Ramsey theory. She enjoys introducing students to math research and has advised projects in graph theory and combinatorics for high school, undergraduate, and Masters students. Along with several colleagues at YSU, Alexis is part of an REU program called YSU-BUMP (Beginning Undergraduates' Mathematical Research Preparation) and will serve as a mentor to a graph theory project in the summer of 2022. Alexis is also director of an after-school program called PRIME (People Reaching Intuition in Mathematics for Empowerment) for local high school students, funded by an MAA Tensor SUMMA grant. Alexis is a national Project NExT fellow and is a co-advisor for the YSU chapter of AWM. She enjoys yoga, reading, hand-built & wheel-thrown pottery, and spending time with her beloved cats.

Campus Map

9

Driving Directions

If you are using GPS or a mobile Maps app, enter this address for the Cintas Center to accurately locate the primary parking lot at Xavier University:

1624 Herald Avenue
Cincinnati, OH 45207

Traveling to Xavier southward along I-75

- Take exit #6 (Mitchell Avenue).
- If traveling south on I-75, turn left onto Mitchell Avenue. (If traveling north on I-75, turn right onto Mitchell Avenue.)
- Follow Mitchell Avenue until you come to the stop sign at Clinton Springs Avenue, and turn left onto Clinton Springs Avenue.
- Follow Clinton Springs Avenue past the first traffic light (Reading Road).
- Clinton Springs Avenue curves around a bend and its name changes to Dana Avenue.
- Continue on Dana Avenue past South Lot and the next traffic light at Victory Parkway.
- Coming up the hill on Dana Avenue, pass the Office of Admission on the left until you come to the intersection with St. Francis Xavier Way on the left and Woodburn Avenue on the right.
- Turn left onto St. Francis Xavier Way. The first building on your left is the Conaton Learning Center, where meeting registration and the opening sessions are held.
- Continue along St. Francis Xavier Way, which curves around campus buildings, until you come to Clenay Avenue. The Cintas Center will be in front of you.
- Turn right onto Clenay, then take the first left onto Pacific Avenue, which empties into the Cintas Center parking lot.

Traveling to Xavier southwest along I-71

- Take exit #5 (Dana Avenue).
- Turn right onto Dana Avenue.
- Follow Dana Avenue for 1 mile, crossing the intersection at Montgomery Avenue.
- The next traffic light is at Woodburn Avenue on the left and St. Francis Xavier Way on the right.
- Turn right onto St. Francis Xavier Way. The first building on your left is the Conaton Learning Center, where meeting registration and the opening sessions are held.
- Continue along St. Francis Xavier Way, which curves around campus buildings, until you come to Clenay Avenue. The Cintas Center will be in front of you.
- Turn right onto Clenay, then take the first left onto Pacific Avenue, which empties into the Cintas Center parking lot.

Hotel Information

Below is the list of hotels (with addresses, distances from campus and website hyperlinks) that we are recommending; we're still identifying how many rooms are being held and for how long at some of these establishments

Hilton Garden Inn – Cincinnati Midtown (2145 Dana Avenue, Cincinnati, OH 45207); 1 mi from campus
Courtyard by Marriott – Cincinnati Midtown/Rookwood (3813 Edwards Road, Cincinnati, OH 45209); 1.75 mi from campus
Springhill Suites – Cincinnati Midtown (610 Eden Park Drive, Cincinnati, OH 45202); 3 mi from campus

MAA Ohio Section Spring 2022 Program

CLC = Conaton Learning Commons - **HUB** = Health United Building - **MH** = Smith Hall
Geschke Terrace is the indoor space just outside **CLC 412** (aka Kennedy Auditorium),

Friday, March 25

Time	Event	Location
12:00-4:00	Registration	Geschke Terrace
12:00-1:00	Committee Meetings:	
	CONCUR (Curriculum)	SMH G27
	CONSACT (Section Activities)	SMH G28
	CONTEAL (Teacher Education & Licensure)	SMH G29
12:00-1:20	CONSTUM Student Team Competition	CLC 406
1:00-4:00	Registration Vendor & Book Exhibits	Geschke Terrace
1:15-1:30	Welcome and Announcements	CLC 412
1:30-2:30	Invited Address: "**Active Learning Through Classroom Applets in Linear Algebra and Geometry**" Bradford Findell	CLC 412
2:30-2:50	Break	Geschke Terrace
2:50-3:50	Invited Address: "**Service Learning Projects in an Operations Research Course**" David Stuckey	CLC 412
4:00-5:15	Contributed Paper Sessions (2 time slots)	CLC 405, 406
5:15-5:50	Social Time	HUB 402
5:30-6:30	Student Pizza Party	HUB 102/103
5:50-7:00	Banquet	HUB 402
7:00-8:00	Invited Address: "**Death to Determinants**" Ranthony Edmonds	HUB 402
8:00	Annual Business Meeting	HUB 402

Saturday, March 26

Time	Event	Location
8:00-10:00	Registration	Geschke Terrace
8:00-10:00	Book Vendors and Exhibits	Geschke Terrace
8:00-9:25	Coffee and Pastries	Geschke Terrace
8:50-9:25	Committee On Local Arrangements	CLC 413
9:25-9:35	Welcome and Announcements	CLC 412
9:35-10:35	Invited Address: "**Math, Metrics, and Democracy**" Ranthony Edmonds	CLC 412
10:35-10:50	Break	Geschke Terrace
10:50-11:45	Contributed Paper Session (2 time slots)	CLC 405, 406
11:45-12:00	Break	Geschke Terrace
12:00-1:00	Invited Address: "**Child's Play—Mathematical Exploration and Exposition at MathPath**" Matt DeLong	CLC 412
1:00-1:10	Closing Remarks	CLC 412

Event locations are subject to change. Check the official program you receive when you register for the meeting in Geschke Terrace (CLC). Also, check the Section web page, www.maa.org/Ohio, for program updates, online registration, and contributed paper submissions.

Please report any errors or omissions to the Newsletter Editor: Brian Shelburne at bshelburne@wittenberg.edu

2021-2022 Ohio Section Officers and Committees

ELECTED OFFICERS

President
David Stuckey, Defiance College
dstuckey@defiance.edu (2022)

Past-President
Vacant

President-Elect
Chandra Dinavahi—Univ. of Findley
dinavahi@findlay.edu (2022)

Section Representative
Phil Blau, Shawnee State Univ.
pblau@shawnee.edu (2024)

Secretary
Kyle Calderhead, Malone Univ.
kcalderhead@malone.edu (2024)

Secretary-Elect
Vacant—TBD

Treasurer
Tom Wakefield, Youngstown State Univ.
tpwakefield@ysu.edu (2022)

Treasurer-Elect
Tom Wakefield, Youngstown State Univ.

OTHER OFFICERS

Department Liaisons Coordinator
Chris O'Connor, Shawnee State Univ.
coconnor@shawnee.edu (2024)

Webmasters
Darren Wick, Ashland Univ
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Michael Schroeder, Marshall Univ.
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On-line Registration
Zhijun Yin
yinzhijun@hotmail.com (2023)

Newsletter Editor
Brian Shelburne, Wittenberg Univ.
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Ohio NExT Organizing Committee
Chandra Dinavahi, Univ. of Findlay
dinavahi@findlay.edu (2023)
Michael Schroeder, Marshall Univ.
schroederm@marshall.edu (2022)
Liz Haynes-Wiget, Wilmington College
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OhioMATYC Liaison to OhioMAA
Jim Anderson, Univ. of Toledo
jim.anderson@utoledo.edu(2024)

OCTM Liaison
Liz Haynes-Wiget, Wilmington College
elizabeth_haynes-wiget@wilmington.edu (2024)

Archivist
Daniel Otero, Xavier Univ.
otero@xavier.edu (2025)

COMMITTEES
* Denotes committee chair. Elected Officers and Committee Chairs are voting members of the Executive Committee. Terms expire at the end of the Spring meetings of the year listed. See the Bylaws.

Program Committee
Najat Baji, Sinclair Comm. C. (2022)
Chris Swanson, Ashland Univ. (2023)
Alicia Prieto-Langarica –YSU (2024)

CONTEAL
*Katie Cerrone Arnold, Univ of Akron (2024)
Aaron Blodgett, Univ of Findlay (2023)
Najat Baji, Sinclair Comm. C. (2024)
Laurie Dunlap, U. Akron (2023)
Bradford Findell, Ohio State Univ. (2024)
James Fitzsimmons, Wilmington College. (2022)

CONSTUM
*Matthew McMullen, Otterbein Univ. (2020)
Jaki Chowdhury, Ohio Northern Univ. (2024)
Matt Davis, Muskingum Univ. (2022)
Alyssa Hoofnagle, Wittenberg Univ. (2023)
M B Rao, University of Cincinnati (2022)
Chris Swanson, Ashland University (2022)

CONSACT
*Jim Anderson, Univ. of Toledo (2024)
Ruma Dutta, Ohio State Univ. (2024)
Aurel Stan, Ohio State Univ. (2022)
Zhijun Yin, Univ. of Akron (2023)
Phil Blau—Shawnee State Univ. (2023)
Zijian Diao—Ohio Univ (2023)

CONCUR
*Anup Lamichhane, Ohio Northern Univ. (2024)
Daniel Otero, Xavier Univ.(2023)
Jim Fowler—Ohio State Univ. (2023)
Diana Eames, Univ. of Akron (2022)
Glen Lobo, Sinclair Comm. C. (2022)
Giorgi Shonia, Ohio Univ. Lancaster (2024)

OTHER COMMITTEES
Nominating Committee
*Eric Wingler, Youngstown State (2022)
Zhijun Yin, yinzhijun@hotmail.com (2023)
David Stuckey, Defiance College. (President)
Kyle Calderhead, Malone Univ. (secretary, nonvoting)

Teaching Award Committee
*Chandra Dinavahi—Univ of Findley (President-Elect)
Gordon Swain, Ashland Univ. (2022)
M B Rao Univ. of Cincinnati. (2023)
Kyle Calderhead, Malone Univ. (Secretary, nonvoting)

LOCAL ARRANGEMENTS FOR MEETINGS

> **MathFest & AMS JMM Meetings**
>
> **MathFest 2022:** Washington, DC | August 3-6, 2022
>
> **Mathfest 2023:** Tampa, FL | August 2-5, 2023
>
> **MathFest 2024:** Indianapolis, IN | August 7-10, 2024
>
> **AMS Joint Mathematics Meeting 2023**
>
> Boston MA January 4-7 , 2023

? may not have an answer. ? may need to be factored