



Ohio Focus

The MAA Ohio Section Newsletter

Volume 14

Spring 2023

Number 20.1

MAA Ohio Section Spring Meeting at Baldwin-Wallace: March 31 - April 1

The Spring 2023 meeting of the Ohio Section of the MAA will be held on the campus of Baldwin-Wallace University in Berea Ohio on Friday - Saturday March 31—April 1. Registration starting at 12 noon will take place at the Center for Innovation and Growth (marked CIG on map on page 10) The Leo Schneider Student Team Competition will be held in rooms 105—108 of the CIG beginning at 12 Noon (see page 9).

The meeting kicks off with a panel presentation “College Credit Plus (CCP): A bird’s eye view” by Becky Harr, Director College Credit Plus, Tena

Roeple, Director, School of Science, Technology, and Mathematics, Ohio Northern University, and Glen Lobo, Professor Mathematics, Sinclair Community College. Invited Speakers are Pamela Warton from the University of Findlay and winner of the 2022 Ohio Section Award for Distinguished College or University Teaching in Mathematics, Anastasia Chavez from St Mary’s College of California, and Michael Schroeder from Marshall University. There will also be two Contributed Paper Sessions on Friday and Saturday (see page 9 for submitting abstracts)

Baldwin Wallace University is a comprehensive, accredited, independent university thriving on a foundation of innovation, inclusion and academic excellence since 1845. A teaching faculty leads 80 undergraduate majors, as well as master’s programs in business, education and health sciences, plus stackable graduate certificates, customized educational partnerships and community learning programs for all ages. Applied learning is a hallmark of the meaningful and transformational undergraduate experience including original research, study abroad, service learning and real-world business projects. BW serves 3,400 students on a suburban Berea, Ohio campus, 20 minutes from all the experiential learning, internships and career opportunities of metropolitan Cleveland.



Registration Information for Spring 2023 Meeting

Online registration is preferred. See the Section web site at <https://www.ohio.maa.org> for conference registration, banquet reservation, and abstract submission. The deadline for pre-registration and banquet reservations is Friday, **3/17/2023**. On-site meeting registration is always available, but last-minute banquet tickets cannot be guaranteed. Early registration is appreciated. On-site registration will be held beginning at 12:00 p.m. on Friday in the Atrium of the Center for Innovation & Growth and will continue Saturday morning at 8:00 a.m.—*continued on page 2*

From Our President - Chandra Dinavahi

Hello everyone-I hope you are enjoying your spring semester. I am sure you are looking forward to our meeting at Baldwin Wallace University. I want to thank all who made the Fall meeting at Cedarville University such a success. Attendance has clearly gone up and I am hoping that we will reach to pre covid numbers very soon. I'd like to express our gratitude to Christina Osborne for taking care of all the local arrangements. Thanks again to the program Committee led by Chris Swanson, for all their work in preparing such a great program. We were treated with excellent talks and after banquet presentation by Edray Goins about the challenges faced by minority students to major in Mathematics is very thought provoking. After the meeting Anthony Vasaturo conducted a workshop on Fermat's Last Theorem. This workshop is sponsored by CONSACT which received very positive feedback. If you have suggestions for workshop topics, please contact the chair of CONSACT.



I am very excited about the upcoming meeting at Baldwin Wallace University and looking forward to meet many of you. Program committee have an excellent program in store for us featuring invited speakers Pamela Warton of University of Findlay, Anastasia Chavez, St. Mary's College of California and Michael W. Schroeder of Marshall University. Consider giving a contributed talk at the meeting. Please plan to attend and bring your students with you. As most of you know this a great way to encourage our students to pursue mathematics and our Section has a great history of encouraging undergraduate student participation.

The Mathematics Departments at OU-Lancaster and Ashland University agreed to host section meetings for the next one year, of which we are most grateful. If you are ever interested in serving in the section, I and the many others who have held positions can tell you how rewarding it is. If you have newer members of your department, please encourage them to attend Ohio NExT. If you are interested in joining any standing committee or participating Ohio NExT please contact the President or one of the committee chairs.

Registration Information continued from page 1

Meeting participants who are unable to register online may register by mail by sending the following information: 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 buffet fee (\$30.00 per person)] to

Ohio Section MAA Spring Meeting
c/o Melissa Dennison,
Department of Mathematics & Statistics,
Baldwin Wallace University
275 Eastland Road
Berea, OH 44017.

E-mail: mdenniso@bw.edu. Registration by e-mail will be pending receipt of registration fees.

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.

Let me start with a reminder of the mission and core values of the MAA. The mission is to advance the understanding of mathematics and its impact on our world, and the core values are Community, Inclusivity, Communication, and Teaching & Learning. Related to this, the process of revising the strategic plan was begun last summer. I am sure this process will include opportunities for feedback from our section. A guiding theme in strategic planning is the question "What does it mean to be a part of the MAA community?" As your section representative it is my responsibility to make sure I can communicate to the Congress any input you want to share. There has been a review of the former strategic plan, and the national office's goal is to have a draft strategic plan in place for discussion at MathFest 2023.

Speaking of MathFest, it was great to have it in person again last summer in Philadelphia, and I am excited for the association's annual meeting in Tampa on August 2-5. It won't be too much longer until the registration begins; I hope to see many section members there just as I did in Philadelphia. As usual the MAA Congress will meet the day before the start of the meeting. That will be my third Congress, and the last one before this term expires in June 2024. I am grateful the section has provided me this opportunity to serve; I appreciate the opportunity to participate at the national level. It has been a great experience.

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 section meeting that will complement the George Polya lectureship in helping support programming at section meetings.

Remember MAA Connect <https://connect.maa.org/home>. I enjoy looking over the emails of the All Members Digest and I have seen several excellent virtual talks thanks to a quick glance at the SIGMAA HOM Digest. I hope you will take advantage of this online community and all it has to offer. Also, don't forget MAA members save 25% on MAA Press titles from the AMS Bookstore. Members can download MAA Notes Series for free in the MAA Member Library after you access your account.

You can contact me at pblau@shawnee.edu with any suggestions, questions, or issues you would like me to bring to the attention of the Congress.



OHIO FOCUS

The newsletter of the Ohio Section of the Mathematical Association of America, which first appeared in 1973, is published twice yearly in time to reach members before the fall and spring meetings. Newsletters are published online at ohio.maa.org. Notification emails are sent using addresses provided by the MAA.

Editor: Brian Shelburne,
bshelburne@wittenberg.edu

Professor Emeritus - Department of Mathematics and Computer Science - Wittenberg University
Springfield OH 45501

The deadline for the next newsletter is August 15, 2023

E-mail copy is preferred. Please send copy to the editor (see above), and also to the Section Webmaster, Michael Schroeder, Marshall University schroederm@marshall.edu for posting on the web

02/04/23

Campus Notes from Around the Ohio Section

From University of Dayton: The University of Dayton Department of Mathematics has a new minor in Data Analytics, which has already attracted a number of students. Jacob Shapiro won an 3-year NSF grant, and he is spending the spring semester in Australia on a Fulbright Scholarship. Jon Brown and Atif Abueida are on sabbatical leave.

From Sinclair Community College: Barbara Magee was hired as an Annually Contracted Faculty this Spring.

From Youngstown State University: At YSU, lecturers Emily Dolsak, Sepideh Khavari, and Alayne Leone were promoted to the rank of senior lecturer.

From Ohio Dominican & Lakeland Community College: Anna Davis, Ph.D. (Ohio Dominican University) and Paul Zachlin, Ph.D. (Lakeland Community College) have released the second edition of their OER linear algebra text, titled 'Linear Algebra: an interactive introduction'. This web-based, interactive, introductory text includes auto-graded exercises, built-in GeoGebra activities, and Octave code. Strong emphasis is placed on geometry and visualization. The text is listed on OER Commons: <https://www.oercommons.org/courses/linear-algebra-an-interactive-introduction> . To access the text directly, go to <https://ximera.osu.edu/oerlinalg/LinearAlgebra> .”

From Trumbull Campus, KSU: Dr. Vic Perera is being recognized for his commitment to supporting teaching and learning at Kent State University. Vic has given generously of his time serving as an active member of the Center for Teaching and Learning’s Advisory Council, is an active member and the current Chair of the University Teaching Council and has co-chaired the University Teaching Council’s Conference Celebrating Conference Teaching for the past three years. In addition, Vic is the Senator for the Trumbull Campus and the current President of the Ohio Mathematical Association of Two-Year Colleges (OhioMATYC - <http://ohiomatyc.org/>), the affiliate organization of AMATYC. Vic teaches a variety of Mathematics courses at the Trumbull campus including Statistics, Calculus, Algebra and Trigonometry. Vic is the coordinator of Mathematics at the Trumbull Campus further exemplifying Vic’s commitment to student success and his desire to create a supportive environment for students and faculty alike. [<https://www.kent.edu/ctl/featured-faculty-month>]

Friday, March 31st – 1:30pm-2:30pm

Speakers:

Becky Harr, Ohio Department of Higher Education;
Tena Roepke, Ohio Northern University;
Glen Lobo, Sinclair Community College

Title: College Credit Plus (CCP): A bird’s eye view

Abstract : The panel will feature three experts who will share their insights on different aspects of CCP. After each panelist shares their insights, there will be an opportunity for discussion with the audience. Likely discussion points for this panel:

What is CCP?
How does it work?
Policies?
Oversight?
How can it be improved?

Continued on page 5

Please plan to attend this event to share your experiences and get insights on CCP. The Committee on Curriculum (CONCUR) especially encourages CCP instructors, coordinators, and students to participate, as your input and perspectives will greatly contribute to the event's success. Don't miss this opportunity to engage in a valuable conversation about CCP and its impact on education.

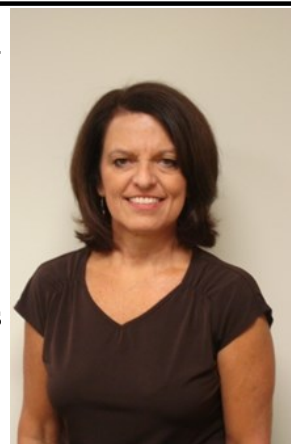
Bio: Becky Harr: Director, College Credit Plus

Becky Harr is the College Credit Plus program director at the Ohio Department of Higher Education. In this role, she works closely with the department's legislative and policy team to serve Ohio's students and families. Becky works directly with secondary and higher education professionals to assist with the growing program that offers college credit opportunities for high school students. Previously, Becky served as ODHE's program manager of College Credit Plus. Prior to joining ODHE, Becky served as the director of the Upward Bound Program at Shawnee State University. She brings over 20 years of college-access experience to her role as the CCP Director.



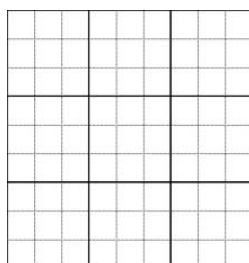
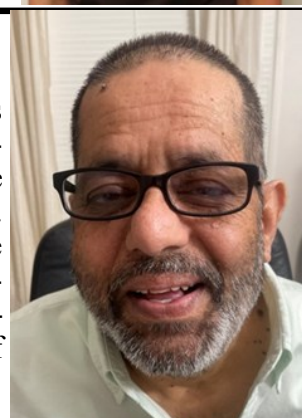
Bio: Tena Roepke: Director, School of Science, Technology, and Mathematics Ohio Northern University

Tena Roepke is a Professor of Mathematics at Ohio Northern University where she also serves as the Director of the School of Science, Technology, and Mathematics in the Getty College of Arts & Sciences. She has extensive experience in teaching various courses such as mathematics courses for future engineers and pharmacists and pre-service mathematics and methods courses for prospective teachers in early childhood, middle childhood, and AYA Mathematics licensure programs. She holds degrees from BGSU (B.S., M.Ed., M.A. Mathematics) and The University of Toledo (Ed.D. Curriculum & Instruction).



Bio: Glen Lobo : Sinclair Community College

Glen Lobo is a Professor of Mathematics at Sinclair Community College. He has served as the Assistant Chair of the department since 2007, except for a brief period (February 2022 - August 2022) when he served as the Interim Chair while the previous chair transitioned to the Dean role and before a new Chair was appointed. Prior to joining Sinclair, he worked at the University of Dayton and at Ferris State University. He has an M.Sc. in mathematics from the Indian Institute of Technology - Kharagpur and an M.S. in mathematics from the University of Wisconsin-Milwaukee. Glen has also been actively involved in the CONCUR committee of the Ohio MAA for many years.



Friday, March 31st – 2:50pm-3:50pm

Speaker: Pamela Warton, University of Findlay

Title: Feel the Wrath of Math: The Journey of a Competitive Mathematician

Abstract: Many undergraduate research projects have been completed with my students over the years. I would typically let the students pick the topic, but it had to sound enjoyable to both of us. Some of my favorites will be highlighted in this talk with detail about a few of the projects that combined my love of math, gaming, and computers. This includes (in order of difficulty) Nim, Monopoly, and a Lumosity game called Pirate's Passage. The talk will end with an open-ended question for someone to tackle with similar interests.

Bio: Dr. Pamela Warton received a Bachelor's of Science with a double major in Computer Science and Mathematics from BGSU in 1981. She started her career at General Motors in Detroit working on Finite Element Modeling and Surfacing applications. She was put in charge of training new programmers and realized how much she enjoyed teaching. She started graduate school in 1988 at BGSU where she received her PhD in infinite ordered group theory with a dissertation entitled "Lexicographic Powers of the Real Line". She taught at BGSU for five years, but moved to Siena Heights University after becoming disgruntled with large class sizes. She ended up at The University of Findlay in 2006. She began the Euler Math Club and applied for and was awarded a charter for the Ohio Tau section of Pi Mu Epsilon, a mathematics honor society. She served on at least one million committees, and she served as chair of the department from 2009 to 2017. She also served as the secretary of the Ohio section of the MAA for many years. She retired in August of 2022. Her greatest joy was teaching, doing undergraduate research projects, and getting to know her students and making a difference in their lives.



Friday, March 31st – 7:00pm-8:00pm

Speaker: Anastasia Chavez, St. Mary's College of California

Title: Take a Walk with Me

Abstract: It's not unusual for the origin story of a mathematician to begin with "From a young age he showed great mathematical potential" or "I knew early on I loved math". Well, I'm here to offer a different narrative. In hindsight, perhaps both of these statements (in some forgivable way) apply to me too. And yet, as a first generation college student coming from a non-mathematical family, this path I've traveled has surprised me as much as it has dispelled the notion that one must come from math or exude mathematical genius in order to become a mathematician. Moreover, that community, perseverance, and dedication are important factors in determining one's future. I'm excited to share some of my journey to becoming a mathematician, the challenges and successes along the way, and offer an alternative perspective to who a mathematician is and can be.

Bio: Anastasia Chavez is an Assistant Professor of Mathematics at Saint Mary's College of California. Born and raised in California, she transferred from the Santa Rosa Junior College and earned a bachelors in applied mathematics and masters in mathematics from San Francisco State University. After earning her Ph.D. in enumerative and algebraic combinatorics with an emphasis in matroid theory from the University of California, Berkeley, Anastasia was a Huneke Fellow at the Mathematical Sciences Research Institute and Presidents' Postdoctoral Fellow, NSF Mathematical Sciences Research Postdoctoral Fellow, and Krener Assistant professor at the University of California, Davis.

As a math educator and researcher, Anastasia aims to nurture the math ability that exists in every person. In and out of the classroom, she hopes to inspire the confidence to be curious, explore the unknown, and search for solutions that lead to even more meaningful questions. When Anastasia puts the math books down, you'll most likely find her hiking, camping, and exploring nature with her partner, two kids, and furry friends.



Saturday, April 1st – 9:35am-10:35am

Speaker: Anastasia Chavez, St. Mary's College of California

Title: Matroids, Positroids, and Beyond!

Abstract: Matroids are a fundamental combinatorial object with connections to many areas of mathematics: algebraic geometry, cluster algebra, coding theory, polytopes, physics ... just to name a few. Introduced in the 1930's, Whitney defined matroids with the desire to abstract linear and graphical dependence. In fact, every graph is associated with a matroid (called graphical) and from every vector configuration arises a representable matroid (over some field F). It has been shown that most matroids are neither graphical or representable, making these two matroid properties rare and highly desired.

A particularly well-behaved family of representable matroids, called positroids, was introduced by Postnikov and shown to have deep connections to the totally nonnegative Grassmannian and particle physics. Moreover, he described several combinatorial objects in bijection with positroids that compactly encodes matroidal data and have been shown to characterize many matroidal properties. With just a few definitions and examples revealing their connections to a variety of fields, you too can begin searching for the matroids living among us.

Nominate a Colleague for Section Distinguished Teaching Award

There are many outstanding mathematics educators in the Ohio Section. If you know of such an excellent educator, please consider nominating him or her for the Ohio Section Award for Distinguished College or University Teaching of Mathematics.

To make a nomination, complete the one page preliminary nomination form available from the Ohio MAA Website at <https://www.ohio.maa.org/nominations>. You will be contacted by the Nominating Committee with further information about the nomination process.

Nominees must be members of the MAA and the Ohio Section, and they must have more than seven years of teaching experience in the mathematical sciences at the college/university level.

The award will be presented at the 2024 Spring Meeting of the Ohio Section and appropriate publicity will be generated at the winner's home institution. The winner will be considered for the Ohio Section's nominee for the MAA's Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics. *Continued on page 8*

Saturday, April 1st – 12:00pm-1:00pm

Speaker: Michael W. Schroeder, Marshall University

Title: Making a career by putting numbers in boxes

Abstract: Pop quiz! Can you fill the empty cells in either of the following grids below with the numbers from the set $\{1,2,3,4,5,6,7\}$ so that no number appears in a row or column more than once?

1	2	3	4			
2		4	1			
3	4		2			
4	1	2				

1	2	3	4			
2	3	4	1			
3	4		2			
4	1	2				

Since my graduate school days, I have researched objects related to Latin squares which, informally, are grids of numbers in which no symbol is repeated in any row or column (think completed Sudoku puzzles). Their study has a rich history which significantly predates my own time with them (for example, Euler is credited with coining the term "Latin square"). In this presentation, we will see a snapshot of the history of "embedding" problems – problems which start with a partially completed grid (like the ones above) and ask if it is possible to complete the grid to a Latin square and, in particular, some of my history with these problems.

Bio: Michael W. Schroeder is an Associate Professor of Mathematics at Marshall University in Huntington, West Virginia (the southern-most point in the Ohio section!). He received his bachelor's and master's degrees in mathematics from the University of Florida and his Ph.D. from the University of Wisconsin, Madison. His area of research is broadly combinatorics, but largely focuses on problems related to Latin squares and graph decompositions. Michael has received university-wide awards for both his teaching and research at Marshall. He has been active in the MAA since 2011, and in the past has served as a local host liaison and program committee chair. Currently, he serves as a co-organizer of the section's Project NExT and the current webmaster. Michael is also a past participant of PIC Math, an MAA-sponsored program which provides faculty development toward sponsoring community-driven, data-driven research projects for math majors.



Nominations continued from page 7: Past Ohio Section winners who have gone on to receive the Haimo Award are Aparna Higgins (University of Dayton, 2005) and V. Frederick Rickey (Bowling Green State University, 1993). Questions or comments should be directed to David Stuckey Chair of the Teaching Award Committee, at dstuckey@defiance.edu. The nomination deadline is January 1, 2024.

Call For Contributed Papers

Call for Presenters for Contributed Paper Sessions

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. Presentations are 15 minutes in length with 5 minutes for questions and transition to the next presentation. 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 Friday, **March 17, 2023**.

Online submission with your meeting registration (at <https://www.ohio.maa.org/>) is strongly preferred, but if necessary, you may submit your title and abstract to the chair of the Program Committee, Chris Swanson, by e-mail at cswanson@ashland.edu or by U.S. mail at

Chris Swanson
Department of Mathematics and Computer Science
Ashland University
401 College Avenue
Ashland, OH 44708

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, projector and HDMI laptop connection. If you wish to project from an Apple device, then you must bring your own adapter. Internet access will be provided. Specific questions about technology availability should be addressed to Melissa Dennison at mdenniso@bw.edu.

Leo Schneider Student Mathematics Competition

Friday, March 31: 12-1:20pm

Undergraduate students from institutions of the Ohio section are invited to participate in the 19th annual Leo Schneider Student Mathematics Competition.

This year's competition will take place on Friday, March 31 from noon until 1:20. Rules, past exams, and registration for this year's contest can be found on the Ohio Section Student Member website <https://www.ohio.maa.org/student-contests> as well as copies of previous years' problems and their solutions. Cash prizes (\$150 for first place, \$120 for second, and \$90 for third) will be awarded on Saturday to the top three teams.

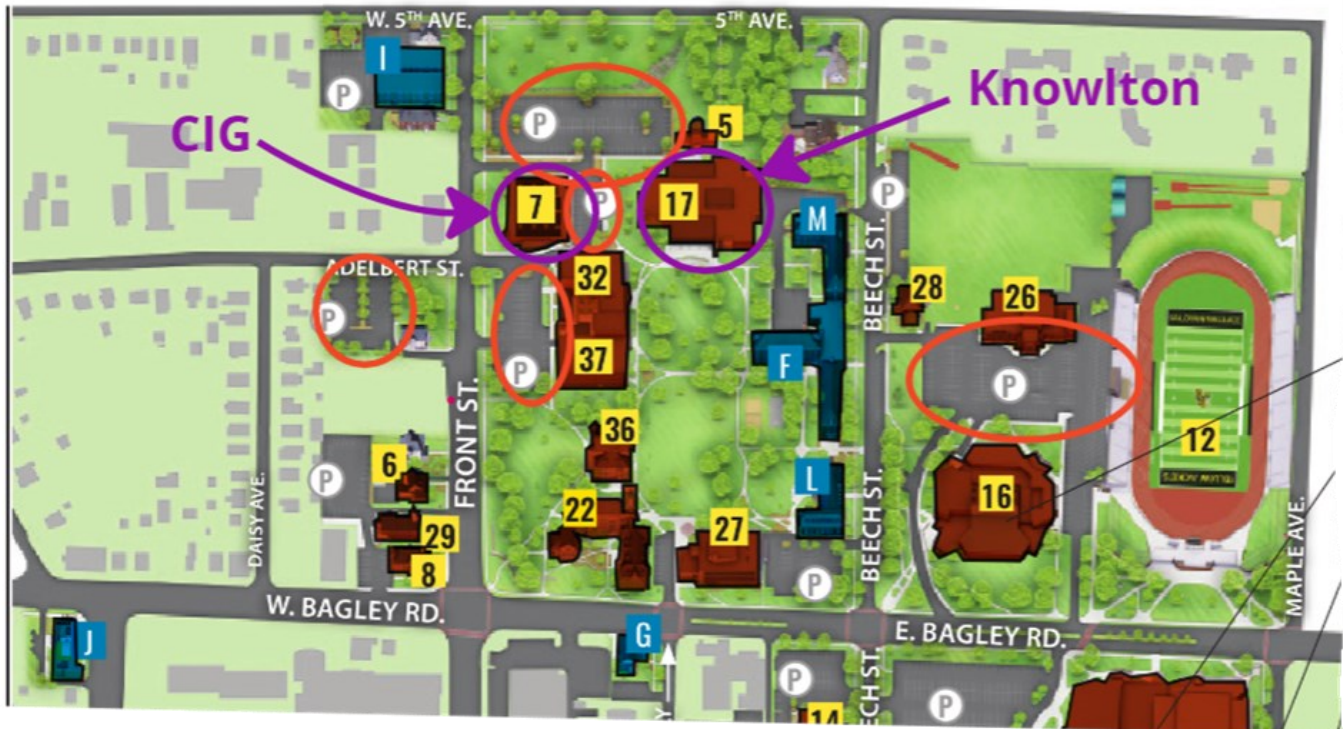
Questions about the competition or other student activities can be addressed to the chair of CONSTUM, Matthew McMullen, at mmcmullen@otterbein.edu.

Sample problems from the 2022 team competition:

Show that 2022 divides $676^{10} - 1024$.

An urn contains 3 red balls and 2 blue balls. A second urn contains 2 red balls and an unknown number of blue balls. Two balls are drawn at random from the first urn and placed in the 2nd urn. A ball is then randomly drawn from the 2nd urn and the probability that it is blue is $\frac{4}{5}$. How many blue balls are initially in the 2nd urn?

Campus Map



Traveling to Baldwin-Wallace

The Center for Innovation & Growth is at 340 Front Street, Berea, OH 44017.

From East (via I-90)

- I-90 west to I-271 south
- Take exit 27 to 480 west to I-71 south
- Exit I-71 south at Bagley Rd.
- Right onto E. Bagley Rd, go about a mile
- Right onto Front St.
- First right into parking lot

From East (via I-80 or I-76)

- I-80 or I-76 west to I-80 (Ohio Turnpike) west
- Exit I-80 at I-71, US 42
- Take I-71 north approximately 2 miles to the Bagley Rd. exit
- Left onto E. Bagley Rd., go about a mile
- Right onto Front St.
- First right into parking lot

From South (via I-77 or I-71)

- I-77 north to Rt. 18 Medina
- Take Rt. 18 west to I-71 north
- Exit I-71 north at Bagley Rd.
- Left onto E. Bagley Rd., go about a mile
- Right onto Front St.
- First right into parking lot

From West (via I-80)

- Take I-80 (Ohio Turnpike) to I-71 north at Strongsville
- Take I-71 north approximately 2 miles to the Bagley Rd. exit
- Left onto E. Bagley Rd., go about a mile
- Right onto Front St.

Hotel Information

Hotels below are listed in order of distance from the Baldwin Wallace University campus. BW maintains a more complete list here: <https://www.bw.edu/about/location/hotels/>

Transportation to and from Hopkins Airport, complimentary
^ Breakfast, complimentary

[Residence Inn by Marriott Cleveland Airport/Middleburg Heights](#) ^

19149 E. Bagley Rd, Middleburg Heights, OH 44130

Phone: (440) 638-5856

Distance from campus: 0.8 miles

[Crowne Plaza Cleveland Airport](#)

7230 Engle., Middleburg Heights, OH 44130

Phone: (440) 243-4040

Distance from campus: 1.3 miles

[Hampton Inn-Cleveland Airport](#) # ^

7074 Engle Rd., Middleburg Heights, OH 44130

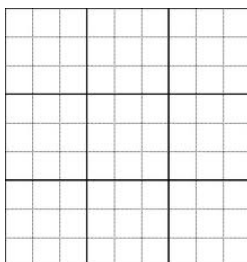
Phone: (440) 234-0206 or (800) HAMPTON

Distance from campus: 1.5 miles

Banquet Menu

There will be a banquet Friday night for \$30 per person. A buffet will be served with:

Lemon rosemary chicken (allergen free)
Stuffed acorn squash with barley pilaf (vegetarian)
Bourbon glazed salmon
Harvest salad with apple cider vinaigrette
Grilled lemon aioli potatoes
Roasted green beans with garlic and shallots
Mini bundt cakes (chocolate, lemon, red velvet)



MAA Ohio Section Spring 2023 Program

CIG = Center for Innovation and Growth, KNOW = Knowlton Center

Friday, March 31			Saturday, April 1		
12:00-4:00	Registration	CIG Atrium	8:00-10:00	Registration	CIG Atrium
12:00-1:00 Committee Meetings	CONCUR (Curriculum)	KNOW 108	8:00-10:00	Book Vendors & Exhibits	CIG Atrium
	CONSACT (Section Activities)	KNOW 110	8:00-9:25	Coffee and Pastries	CIG Atrium
	CONTEAL (Teacher Education & Licensure)	KNOW 126	8:50-9:25	Committee on Local Arrangements	CIG 103
12:00-1:20	CONSTUM Student Team Competition	CIG 105-108	9:25-9:35	Welcome and Announcements	CIG 112-114
1:00-4:00	Vendor & Book Exhibits	CIG Atrium	9:35-10:35	Invited address "Matroids, Positroids, and Beyond!" Anastasia Chavez	CIG 112-114
1:15-1:30	Welcome and Announcements	CIG 112-114	10:35-10:50	Break	CIG Atrium
1:30-2:30	CONCUR Sponsored Panel: "College Credit Plus (CCP) : A Bird's Eye View" Becky Harr, Tena Roepke, Glen Lobo	CIG 112-114	10:50-11:45	Contributed Papers Sessions	KNOW 106-109, 112, 126
2:30-2:50	Break	CIG Atrium	11:45-12:00	Break	CIG Atrium
2:50-3:50	Invited Address "Feel the Wrath of Math: The Journey of a Competitive Mathematician" Pamela Warton	CIG 112-114	12:00-1:00	Invited address "Making a career by putting numbers in boxes" Michael Schroeder	CIG 112-114
4:00-5:15	Contributed Paper Sessions	KNOW 106-109, 112, 126	1:00-1:10	Closing Remarks	CIG 112-114
5:15-6:00	Social Time	CIG Atrium	Event locations are subject to change. Check the official program you receive when you register for the meeting in the CIG Atrium. Also check the OH Section webpage, www.ohio.maa.org/ , for program updates, online registration, and contributed paper submissions.		
5:30-6:30	Student Pizza Party	CIG 107-108			
6:00-7:00	Banquet	CIG 112-114			
7:00-8:00	Invited Address "Take a Walk with Me" Anastasia Chavez	CIG 112-114			

2022-2023 Ohio Section Officers and Committees

ELECTED OFFICERS

President

Chandra Dinavahi—Univ. of Findlay dinavahi@findlay.edu (2024)

Past-President

David Stuckey, Defiance College. dstuckey@defiance.edu (2023)

President-Elect

Vacant

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 (2025)

Treasurer-Elect

OTHER OFFICERS

Department Liaisons Coordinator

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

Webmasters

Darren Wick, Ashland Univ. dwick@ashland.edu (2022)

Michael Schroeder, Marshall Univ.

schroederm@marshall.edu (2022)

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Chandra Dinavahi, Univ. of Findlay dinavahi@findlay.edu (2023)

Michael Schroeder, Marshall Univ.

schroederm@marshall.edu (2025)

Liz Haynes-Wiget, Wilmington College

elizabeth_haynes-wiget@wilmington.edu (2025)

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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

Chris Swanson, Ashland Univ. (2023)

Alicia Prieto-Langarica –YSU (2024)

Alexis Byers—YSU (2025)

CONTEAL

*Katie Cerrone Arnold, Univ of Akron (2024)

Aaron Blodgett, Univ of Findlay (2023)

Najat Baji, Sinclair Comm. C. (2024)

Laurie Dunlap, Kent State (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 (2025)

Chris Swanson, Ashland University (2025)

CONSACT

*Jim Anderson, Univ. of Toledo (2024)

Ruma Dutta, Ohio State Univ. (2024)

Aurel Stan, Ohio State Univ. (2025)

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

*Zhijun Yin (2023)

Kathryn Cerrone (2024)

Chandra Dinavahi (President)

Kyle Calderhead, Malone Univ.(Secretary,

nonvoting)

Teaching Award Committee

*David Stuckey (Past-President)

Gordon Swain, Ashland Univ. (2022)

M B Rao Univ. of Cincinnati. (2023)

Kyle Calderhead, Malone Univ.(Secretary, nonvoting)

LOCAL ARRANGEMENTS FOR MEETINGS

Fall 2023: OU-Lancaster. Paul Abraham

Spring 2024: Ashland Univ. Chris Swanson

MathFest & AMS JMM Meetings

Mathfest 2023: Tampa, FL | August 2-5, 2023

MathFest 2024: Indianapolis, IN | August 7-10, 2024

AMS Joint Mathematics Meeting 2024 San Francisco, CA January 3-6, 2024