

# Michigan Section Mathematical Association of America **NEWSLETTER**

**VOLUME 48, ISSUE 2**

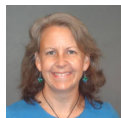
**APRIL 2022**

This and older issues of the *Newsletter* can be found at [sections.maa.org/michigan/newsletters](http://sections.maa.org/michigan/newsletters)

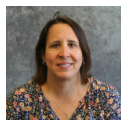
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Co-Editors:

**Beth Wolf (UM-AA)** <bethwolf@umich.edu>  
Corresponding Editor  
**Clark Wells (GVSU)** <wellsc@gvsu.edu>  
Technical Editor

## Reports from the Executive Board

### Chair's Report

[Amy Shell-Gellasch <ashellge@emu.edu>](mailto:ashellge@emu.edu)

Dear Michigan Section,

As we get used to writing “2022,” I realize that I now track recent memories and events as “before Covid” or “after Covid.” One such difference is how we plan and execute professional events. I know I have become much more aware of how limiting in-person events can be. The MAA has been focusing on reaching its members on a more personal and local level for several years, encouraging more events and programing at the section level. Surprisingly, Covid has actually helped with this effort. We now have multiple virtual events at the national level, allowing those who don't usually attend meetings to be involved.

For our section, last year's virtual meeting has made us more confident to do virtual events. This year, to allow more of our students, both undergraduate and graduate, to have the experience of giving a professional talk, we had hoped to hold a Virtual Student Presentations Event

on March 31st, but unfortunately needed to cancel due to a lack of submissions. We'll try to hold this event next year instead, so please watch for more information and encourage your students to consider submitting an abstract!

Additionally, we would like to start offering programing, events, and outreach to our members and our students outside of the section meeting. A committee is being formed to work on such events. If you would like to help, in large or small ways, please contact me.

Finally, with the termination of the Michigan Mathematics Prize Competition, we will be updating our section bylaws to reflect this change. A committee has been formed and has decided to revise the whole bylaws since a new bylaws template is available from the MAA. In the next few months the section executive board will share the revised bylaws prior to a section vote to approve them. I look forward to seeing many of you at the section meeting events, and at other events (virtual and in person) as they are developed.

Have a great spring!

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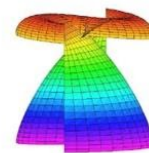
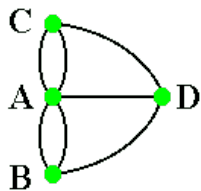
### Four-Year-College Vice-Chair's Report

[Norma Ortiz-Robinson <ortizron@gvsu.edu>](mailto:ortizron@gvsu.edu)

We continue to make arrangements for the Michigan Section-MAA Annual Meeting to be held in Grand Rapids at the Richard DeVos Center of Grand Valley State University. Our plenary speakers have been updated to Project NExT Associate Director **Alicia Prieto-Langarica** from Youngstown State University and MAA NAM Lecturer **Jose Perea** from Northeastern University. Activities are set to begin with a pre-conference Workshop on Mastery Grading led by **David Clark** (GVSU) on Friday, April 8. A banquet followed by Dr. Prieto-Langarica's talk is planned for Friday evening,

and a luncheon is planned for Saturday. Dr. Jose Perea's talk is planned for Saturday afternoon. A student poster session will also be held on Saturday. Further details about the meeting and online registration information can be found on the website [<gvsu.edu/mism2022/>](http://gvsu.edu/mism2022/).

The 2022 program committee consists of **Norma Ortiz-Robinson** (GVSU), **Amy Shell-Gellash** (EMU), **Robert Kipka** (Lake Superior State U.), and **Jonathan Oaks** (Macomb CC). The local arrangements chair is **Akalu Tefera** (GVSU).



$$[X, [Y, Z]] + [Y, [Z, X]] + [Z, [X, Y]] = 0$$

## Western Michigan University

The Department of Mathematics at Western Michigan University offers a variety of graduate programs. We offer PhDs in Mathematics and Mathematics Education; Master's degrees in Mathematics, Applied and Computational Mathematics and Mathematics Education.

The Department offers several forms of financial assistance. Stipends range from \$13,528–\$16,206 with possible summer support. Currently all supported doctoral students and master's students receive tuition waivers. Applications are due by February 15, 2022, and are continually filled as long as openings remain.

All application materials are available on our web pages: [www.wmich.edu/math](http://www.wmich.edu/math) or email:

[math-info@wmich.edu](mailto:math-info@wmich.edu)

*Western Michigan University is an Equal Opportunity/Affirmative Action Institution.*

### Michigan Section Dues

Your voluntary dues contribution will help support the activities of the Michigan section, such as the Annual Meeting and the *Newsletter*.

We are asking that members pay their dues by PayPal rather than by mailing personal checks, if at all possible. Please direct online payments using PayPal [paypal.com](http://paypal.com) to [MichiganSectionDues@gmail.com](mailto:MichiganSectionDues@gmail.com). (Log in to your account at [paypal.com](http://paypal.com) and specify [MichiganSectionDues@gmail.com](mailto:MichiganSectionDues@gmail.com) as the address of the recipient.)

Please provide your name, institution, mailing address, and email address in the notes for your payment. If you cannot pay by PayPal, please contact [Ken Schilling](mailto:ksch@umich.edu) [ksch@umich.edu](mailto:ksch@umich.edu).

The voluntary dues contribution for individuals remains \$15, or \$30 (or more) for a sustaining membership. Institutional membership dues are \$40 or \$70, depending on the size of the institution.

## Two-Year-College Vice-Chair's Report

**Jon Oaks (Macomb CC)** <[jonnyoaks@gmail.com](mailto:jonnyoaks@gmail.com)>

I can't believe it's almost the end of the academic year already! I have had a great spring semester so far, and it was great to be able to attend a couple of in-person conferences already. But I'm already looking forward to attending MAA MathFest this summer—hopefully, I'll see you there, if not before!

**Two-Year College Meet-Up** I'd like to invite our two-year college members to an in-person meet-up this spring—likely a gathering at a restaurant or a park for the type of informal networking that we've all missed so much over the past couple of years. The date and time are still to be determined, but if you'd like to be notified of the event, please let me know at <[jonnyoaks@gmail.com](mailto:jonnyoaks@gmail.com)>.

**MichMATYC Fall Conference** Oakland Community College will be hosting the Fall Conference for MichMATYC on Saturday, October 1, at the Auburn Hills Campus. The theme of the conference is *Modern Math—Are we staying up to date? Or stuck in the past?* The keynote speaker will be **Kathleen Almy**. (See more on page 14). Be on the lookout for a call for presenters coming soon and registration starting in August.

**Volunteer Opportunities with MichMATYC** If you're looking for ways to get involved in the two-year college community, MichMATYC is looking for volunteers to be on the Karen Sharp Student Scholarship and Teaching Excellence Award Committees, as well as for a Newsletter Editor and Affiliate Delegate. If you're interested in serving the community in any of these roles, please contact **Julie Gunkelman** <[president@michmatyc.org](mailto:president@michmatyc.org)>.

**Congratulations, Sang Lee** I'd like to take a moment to congratulate my predecessor as Two-Year College Vice Chair **Sang Lee** on his retirement from Grand Rapids Community College as of last December. I have known Sang for many years (more than 10, but I'm not going to age myself—Sang is the one who is retiring!), and I have appreciated having his knowledge and expertise as one of the leaders within the two-year college mathematics community in Michigan. Congratulations and best wishes on your retirement!

Thank you so much, and if you ever need anything, please reach out to me through MAA Connect or by email at <[jonnyoaks@gmail.com](mailto:jonnyoaks@gmail.com)>. I hope you have a great rest of your academic year!

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## Michigan Section–MAA Spring 2022 Virtual Student Presentations Event *Canceled*

The Michigan Section–MAA had hoped to sponsor a Spring 2022 Virtual Student Presentations Event on Thursday, March 31st, 2022, 7:00–9:00pm.

Unfortunately, due to a lack of submissions, this event has been canceled. We'll try to hold this event next year instead, so please watch for more information and encourage your students to consider submitting an abstract!

For questions, please contact **Amy Shell-Gellasch** <[ashellge@emich.edu](mailto:ashellge@emich.edu)>.

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## Section Representative's Report

Mark Bollman <[mbollman@albion.edu](mailto:mbollman@albion.edu)>

The MAA Congress has begun the task of returning the Association to whatever “normal” will be when the worst of the pandemic is over. Plans are under way for an in-person MathFest in Philadelphia this summer.

The MAA's important work has continued throughout the pandemic, displaying a certain nimbleness that none of us could have imagined 3 years ago. New section lectureships have been developed in cooperation with the AWM and NAM to provide a ready supply of nationally-known speakers for section meetings. Also of note is the online premiere of the Distinguished Lecture Series. Several new expository lectures may be viewed on the MAA's website.

The newest MAA program is [OPEN Math](https://sites.google.com/view/openmath/home), <[sites.google.com/view/openmath/home](https://sites.google.com/view/openmath/home)>, a project designed to expand access to faculty professional development without requiring costly travel. OPEN Math will support over 40 intensive online professional development workshops for undergraduate math instructors. Stay tuned to the MAA for details on this summer's rollout of this exciting professional opportunity.

Certainly this is an exciting time to be involved with the MAA. With that, my term as your Congress representative—but not my MAA membership—draws toward its June 30 close. Thank you for the opportunity to serve the Michigan Section for these past 15 years. It has been a privilege to work with so many talented colleagues on the executive committee.

## Secretary-Treasurer's Report

Ken Schilling <[ksch@umich.edu](mailto:ksch@umich.edu)>

I would like to thank everyone who has contributed voluntary section dues payment for 2021-2022. Our dues-paying membership is up considerably from last year, but still below its pre-covid historic norm. As our activities re-open (there will be an in-person section meeting this year!), I trust that support will return.

If you haven't yet submitted your dues for this

academic year, please consider doing so! (See page 3.)

As of this date, the Michigan Section's bank balance is \$10,503.53, thanks to our members' support, newsletter advertising revenue, and an MAA subvention. We continue to have a good balance of income and expenses, and the section remains in sound financial shape.

If you have any questions regarding the section's finances, please feel free to contact me.

## Sustaining Members

### Individual Sustaining Members, 2021–2022

- |                     |                     |                      |
|---------------------|---------------------|----------------------|
| • Edward Aboufadel  | • William Jackson   | • Amy Shell-Gellasch |
| • David Austin      | • Robert Krasny     | • Gerard Venema      |
| • Robert Bell       | • Suzanne Lewis     | • Clark Wells        |
| • Matt Boelkins     | • Jon Oaks          | • Beth Skubak Wolf   |
| • William Dickinson | • Victor Piercey    | • Matthew Wyneken    |
| • Jerrold Grossman  | • Norman Richert    |                      |
| • Margaret Hoft     | • Kenneth Schilling |                      |



### Join the MAA!

The MAA is a professional society whose mission is to advance the mathematical sciences, especially at the collegiate level. MAA members include high school teachers, college professors, undergraduate and graduate students, pure and applied mathematicians, statisticians, computer scientists, and many others in academia, government, business, and industry. As a member, you will enjoy registration discounts at national meetings, electronic subscriptions to all MAA journals and magazines, automatic enrollment in your local MAA section, and access to employment services and exclusive online resources. To become a member, or to learn more about what the MAA can offer you, visit [maa.org](http://maa.org).

## WHO WILL GET PAID TO GET A PHD? SPARTANS WILL.

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For more information on this program, please contact:  
Lisa Keller, Assistant Director of PRIME  
517.432.5472 | [kellerl@msu.edu](mailto:kellerl@msu.edu)  
<https://prime.natsci.msu.edu>

## Campus News

### Albion College

Mark Bollman <[mbollman@albion.edu](mailto:mbollman@albion.edu)>

The Albion Mathematics and Computer Science Department invites our section colleagues to join us in wearing plaid to show their support for mathematics on International Plaid Day, Friday, April 29, the last Friday of Mathematics and Statistics Awareness Month.

### Calvin College

John Ferdinands <[ferd@calvin.edu](mailto:ferd@calvin.edu)>

**Stacy De Ruiter** has been awarded tenure at Calvin University. **Dave Klanderman** will be on sabbatical during the Spring 2023 semester.



## NOW ACCEPTING APPLICATIONS

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[sph.umich.edu/biostat](https://sph.umich.edu/biostat)



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## University of Michigan-Flint

[Mehrdad Simkani <simkani@umich.edu>](mailto:simkani@umich.edu)

**Ken Schilling** will retire at the end of this academic year. **Laura McLeman** is appointed as Interim Director of Thompson Center for Learning & Teaching.

**Ricardo Alfaro** will be on sabbatical in the fall. **Daniel Coffield** is on sabbatical this winter semester.

---

## Hillsdale College

[David Murphy <dmurphy@hillsdale.edu>](mailto:dmurphy@hillsdale.edu)

**Thomas Treloar**, Professor and Chair of Mathematics, received the college's Daugherty Award for Teaching Excellence for tenured faculty in 2021. This teaching award is given to one pre-tenure and one tenured member of the faculty each year.

**John Seiffertt** joined the department in Fall 2021 as an associate professor in computer science. He previously taught at Providence College. With his addition, we reestablished the computer science minor that was disbanded upon the retirement of **Rein Zeller** in 2015.

Hillsdale students took first place in the 2021 Michigan Autumn Take-Home Exam. This is the first time a team from Hillsdale has won.

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## Lake Superior State University

Lake Superior State University

[Brian Snyder <bsnyder@lssu.edu>](mailto:bsnyder@lssu.edu)

**Rob Kipka** has received tenure and has been promoted to Associate Professor, effective next academic year.

**Jen Gorman** has been selected for a two year term as co-coordinator for the Center for Engaged Teaching and Learning.

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## Oakland University

[Daniel Steffy <steffy@oakland.edu>](mailto:steffy@oakland.edu)

In the summer of 2022, Oakland University will host the Math Corps, an outreach program for seventh and eighth graders from Pontiac, MI and surrounding areas.

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**MATHEMATICS**  
CENTRAL MICHIGAN UNIVERSITY

## GRADUATE STUDIES PROGRAMS

### Ph.D. in Mathematical Sciences

The Ph.D. degree at CMU is designed to prepare individuals for a career in college teaching and research, as well as other careers that require the knowledge of advanced mathematics. The program consists of broadly distributed coursework, professional pedagogical components, teaching internships, and a dissertation. Areas of research strength include algebra, algebraic geometry, approximation theory, combinatorics, complex analysis, computational mathematics, differential geometry, ethnomathematics, fluid dynamics, functional analysis, mathematical biology, mathematics education, operator theory, representation theory, and tropical geometry.

### M.A. in Mathematics

The M.A. degree has an emphasis in the more computational aspects of mathematics for students who are interested in jobs in business, industry, and government. The degree program also retains the flexibility to prepare students for teaching mathematics at the undergraduate level or to undertake doctoral work in mathematics.



For information about any of our programs or how to apply, contact:

Graduate Coordinator  
[mthgrad@cmich.edu](mailto:mthgrad@cmich.edu)  
[se.cmich.edu/mth](http://se.cmich.edu/mth)



CMU, an AA/E0 institution, strongly and actively strives to increase diversity within its community (see <https://www.cmich.edu/aaeo>).

## Lawrence Technological University

Bruce Pell <[bpell@ltu.edu](mailto:bpell@ltu.edu)>

**C.J. Chung**, Professor of Mathematics and Computer Science at LTU, won a \$281,712 grant from the National Science Foundation. The REU (Research Experience for Undergraduate) grant will fund three summers to design and develop computer algorithms and conduct research for urban road self-drive functions using street legal electric vehicles. Eight college students from around the country will spend eight weeks from May 23 to July 15, 2022 at Lawrence Technological University in Southfield. Each student will receive \$4,800 in stipends, food subsistence, and housing. Students from outside of the Metro Detroit area will also be provided travel compensation up to \$500. Accepted students will be notified on a rolling basis until all positions filled or by April 15, 2022. For more information including eligibility and how to apply, please visit <[ltu.edu/arts\\_sciences/mathematics\\_computer\\_science/nsf.asp](http://ltu.edu/arts_sciences/mathematics_computer_science/nsf.asp)>.

LTU entered one team for the February MCM/ICM (Mathematical and Interdisciplinary Contests for Modeling). The group chose Problem C: Trading Strategies.

---

## Wayne State University

Dan Drucker <[ddrucker@wayne.edu](mailto:ddrucker@wayne.edu)>

Associate Professor of Teaching **Christopher Leirstein** left the department to accept a position as Instructor at Schoolcraft College starting in Winter 2022.

Professor **Daniel Drucker** retired in February 2022. Professors **Leonid Makar-Limanov** and **Ualbay Umirbaev** are on sabbatical leave in Winter 2022.

Professor **Robert Bruner** and co-author professor **John Rognes** of the University of Oslo have written a 690-page book entitled “The Adams Spectral Sequence for Topological Modular Forms.” The book connects number theory with computational problems in algebraic topology via a connection that comes from ideas in physics.

**Francis Su**, the Benediktsson-Karwa Professor of Mathematics at Harvey Mudd College, will deliver this year’s Owens lecture on April 6. The title of the talk is “Mathematics for Human Flourishing.” His 2020 book with the same title won the 2021 Euler Book Prize. It offers an inclusive vision of what math is, who it’s for, and why anyone should learn it. Professor Su is a former president of the Mathematical Association of America. In 2013, he received the Haimo Award, a nationwide teaching prize for college math faculty. In 2018 he won the Halmos-Ford writing award. His research in geometric combinatorics includes many papers co-authored with undergraduates, and his work has been featured in Quanta Magazine, Wired, and the New York Times.

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## Awards

### 2023 Distinguished Teaching Award Nominations Due December 31, 2022

Doug Lapp <[lapp1da@cmich.edu](mailto:lapp1da@cmich.edu)>

Distinguished Teaching Award Committee Chair

Nominations for the Michigan Section's 2023 Distinguished Teaching Award are now being accepted, and must be received by December 31, 2022 to be considered. The Distinguished Teaching Award Committee strongly urges departments or individuals to nominate deserving faculty for this award. We recognize that there are many outstanding teachers in the section, but we can consider only those who are nominated.

The committee particularly welcomes nominations of individuals from groups (or types of institutions) that have historically been under-represented in mathematics or in the list of previous recipients of the award. Past recipients may be found at <[sections.maa.org/michigan/history.html#award](https://sections.maa.org/michigan/history.html#award)>. The person selected by the committee will be presented with the award in the spring at the annual meeting of the Michigan Section, and will also, pending submission of additional supporting material and membership in the MAA, become the Michigan Section nominee for the national MAA Deborah and Franklin Tepper Haimo Awards for Distinguished College or University Teaching of Mathematics.

**Nomination Instructions** Completed nominations must be received by December 31, 2022 to be

considered for the 2023 Award. The nomination form is available on the section's website as a Microsoft Word file.

Send an electronic copy of the completed form to Doug Lapp <[lapp1da@cmich.edu](mailto:lapp1da@cmich.edu)>; please use "Michigan DTA Nomination" as the subject.

Anyone may make a nomination (of someone else; self-nomination is not permitted), but nominations from chairs or MAA liaisons in departments of mathematical sciences are especially requested.

**Eligibility for the Award** To be considered for the award, a nominee must:

- Be a college or university teacher who currently teaches a mathematical science at least half-time during the academic year in a public or private college or university (from two-year college teaching through teaching at the PhD level) in Michigan.  
Those on approved leave (sabbatical or otherwise) during the academic year in which they are nominated qualify if they fulfilled the requirements in the previous year.
- Have at least seven years experience in teaching the mathematical sciences.
- Have had teaching effectiveness that can be documented.
- Have had influence in their teaching beyond their own institution.
- Foster curiosity and generate excitement about mathematics in their students.





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## Richard Abraham Edwards (MSU) Wins 2022 Distinguished Teaching Award

Doug Lapp <lapp1da@cmich.edu>

The MAA-Michigan Distinguished Award Committee is pleased to announce **Richard Abraham Edwards** of Lyman Briggs College (Michigan State University) as the winner of the 2022 Distinguished Teaching Award. Dr. Edwards is an outstanding undergraduate mathematics instructor. He has taught a wide range of undergraduate math classes as well as a senior seminar course on the History of Mathematics, a multi-disciplinary course on Science in a Global Context, and a study abroad course on Mathematics in Historical and Cultural Contexts. Within Lyman Briggs College, Dr. Edwards is widely regarded as one of the most enthusiastic and effective instructors of mathematics. He employs his training and research in mathematics education as well as a variety of resources such as those from the Creativity Research Group to create an inclusive and engaging learning environment.

Congratulations to Dr. Edwards!

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## Victor Piercey (Ferris) Wins 2022 Distinguished Service Award

The Michigan Section of the Mathematical Association of America is honored to announce that **Victor Piercey**, of Ferris State University, is the winner of the 2022 Distinguished Service Award. Victor's nomination was approved by executive committee members **Amy Shell-Gellasch**, **Jon Oaks**, and **Mark Bollman**.

Although our section received only one nomination for this year's award, our award winner is very deserving: Victor has served the mathematical community in numerous ways for several years. His work with our section has included serving as newsletter editor and chair, as well as his current role as past chair. Victor has served the national MAA in several other capacities, and in addition he serves on the boards of the National Numeracy Network and the initiative for Mathematics Learning by Inquiry. At Ferris State and more widely with the SUMMIT-P consortium of colleges, Victor has developed innovative general education mathematics courses that improve interdisciplinary collaboration.

This is just a small part of Victor's service and outreach at the local, state, and national level, and we are very pleased to present him with this award. More details will appear in the Fall issue of the Newsletter.

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## 2023 Distinguished Service Award Nominations Due January 31, 2023

Victor Piercey (Ferris) <VictorPiercey@ferris.edu>

Nominations are being solicited for the Michigan Section's 2023 Distinguished Service Award.

The awards committee will accept nominations until January 31, 2023.

Nominations should include the nominee's service in their home department as well as service to the section, and any service performed for national mathematics organizations or for the promotion of mathematics in a local community.

Please send nominations to **Victor Piercey** <VictorPiercey@ferris.edu>.

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## Our Section Needs Your Help!

If you are interested in serving our section on the executive committee or want to help out our mathematical community in other ways, please let us know! We are always looking for people to help out in large or small ways. If you have a little time to give or slightly more, please email [Amy Shell-Gellasch](mailto:ashellge@emich.edu) <ashellge@emich.edu>.

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## Upcoming Meetings

### MichMATYC

[Janet Peart](mailto:jepeart@oaklandcc.edu) (Oakland CC) <jepeart@oaklandcc.edu>

Oakland Community College will be hosting the Fall Conference for MichMATYC this fall on Saturday, October 1 at the Auburn Hills Campus. The theme of the conference is “Modern Math — Are we staying up-to-date? Or stuck in the past?”

The keynote speaker will be **Kathleen Almy**, giving a talk entitled *Modernizing the Math Curriculum in the First Two Years of College*. Abstract: The pandemic has accelerated many trends in higher education, including the debate about what we should be teaching in math, why, how, when, and for whom. Once a topic that was a good point of discussion, modernization of the math curriculum has now become an issue that affects all colleges as they work to address enrollment declines, a changing workplace, and equity gaps. This session will explore the issues of math curriculum that have come under greater debate along with ideas for addressing each.

Kathleen Almy is the CEO and founder of Almy Education, supporting colleges as they improve math courses and policies. She is the former Illinois Director for Transitional Math where she led the statewide implementation of transitional math courses across Illinois. Prior to her administrative work, she was a mathematics professor with 20 years of experience in high school and college classrooms. She continues to teach part time at Rock Valley College while she works on math reforms. Her degrees include a B.S. in Mathematics Education from Southern Illinois University and an M.S. in Pure Mathematics from Northern Illinois University.

Be on the lookout for a call for presenters coming soon and registration starting in August. Contact [Janet Peart](mailto:jepeart@oaklandcc.edu) <jepeart@oaklandcc.edu> with questions.

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## The 82nd William Lowell Putnam Mathematical Competition

Ruth Favro (LTU) <rfavro@ltu.edu>

The 82nd Putnam Competition was held on December 4, 2021, with 2975 students competing in the 6-hour, 12-question exam. Results were announced in late February 2022, and information can be found at <[maa.org/node/322](https://maa.org/node/322)>. Congratulations to all who participated in this challenging contest! Top students at Michigan colleges are:

### Honorable Mention

University of Michigan: **Alex Xu**

### Top 106-193

University of Michigan: **Ramchandra Apte, Adam J. Ernst**

### Top 212-489

Michigan Technological University: **Alan K. Bouwman**

University of Michigan: **Marcus C. Gorzon, Jia Guo, Tuong Vu Le, An H. Nguyen**

## The 2021 American Mathematics Competitions Results

David Friday (Macomb CC) <[fridayd@macomb.edu](mailto:fridayd@macomb.edu)>

The American Mathematical Contest 10 (AMC 10) and the American Mathematical Contest 12 (AMC 12) are 25-question, 75-minute competitions designed to challenge talented high school students outside of their typical classroom curriculum. The AMC 10 is geared toward students at grade 10 or below, and the AMC 12 is geared toward all high school students.

In the 2021-2022 academic year, a total of 29570 students (up from 26817 last year) at 1601 schools worldwide (up from 1519 last year) took part in the AMC 10 A and 21023 students (up from 16887 last year) at 1513 schools worldwide (up from 1406 last year) took part in the AMC 12 A. Additionally, 25347 students (up from 19719 last year) at 1419 schools worldwide (up from 1206 last year) took part in the AMC 10 B, and 18915 students (up from 13677 last year) at 1408 schools worldwide (up from 1206 last year) took part in the AMC 12 B.

In the state of Michigan, one student earned a perfect score on one of these competitions: **Reagan Choi**, a 12th grader from Troy High School (Troy) earned a perfect score on the AMC 12 B. Among the top scorers on the other three competitions were:

- AMC 10A: **Jiaxuan Gong**, an 8th grader from Indus Center for Academic Excellence (Troy) with a score of 111 out of 150.
- AMC 12A: **Steven Fu**, a 10th grader Detroit Country Day School (Northville) with a score of 120 out of 150.
- AMC 10B: **Brandon Chan**, an 8th grader from Indus Center for Academic Excellence (Troy) with a score of 115.5 out of 150.

It seems that after participation took a major hit in the 2021 academic year, participation in these competitions is once again on the rise. Truly, it is wonderful to see so many student given this opportunity to participate and compete.

Congratulations to the students!

## Michigan Section—Mathematical Association of America

### Committees and Appointments

#### Executive Committee

<i>Chair</i>	('22) Amy Shell-Gellasch (EMU) <ashellge@emich.edu> • 734-487-1444
<i>Vice Chair</i>	('22) Norma Ortiz-Robinson (GVSU) <ortizron@gvsu.edu> • 616-331-2783
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<i>Congress Rep.</i>	('22) Mark Bollman (Albion C) <mbollman@albion.edu> • 517-629-0261

#### 2022 Annual Meeting Program Committee

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<i>Member</i>	Jonathan Oaks (Macomb CC) <oaksj@macomb.edu> • 586-445-7111
<i>Chair, (Local Arrangements)</i>	Akalu Tefera (GVSU) <teferaa@gvsu.edu> • 616-331-3746

#### Audit Committee

<i>Member</i>	Dan Isaksen (Wayne State U) <isaksen@wayne.edu> • 313-577-2479
<i>Member</i>	Michael Bolt (Calvin C) <mbolt@calvin.edu> • 616-526-6719

#### Other Appointments and Contacts

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<i>AMC Coordinator</i>	David Friday (Macomb CC) <fridayd@macomb.edu> • 586-226-4731

#### Michigan Section Newsletter

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#### Nominating Committee

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<i>Member</i>	('22) Jonathan Oaks (Macomb CC) <oaksj@macomb.edu> • 586-445-7111

## Calendar of Events

### Michigan Section-MAA Annual Meeting<sup>1</sup>

- 2022: Grand Valley State University, April 8–9  
[<gvsu.edu/mism2022/>](https://gvsu.edu/mism2022/)  
 2023: Alma College  
 2024:\* Lake Superior State University  
 2025:\* Saginaw Valley State University

### AMATYC Annual Conference

- 2022: Toronto, ON, November 17–20  
[<amatyc.org/page/2022ConfHome>](https://amatyc.org/page/2022ConfHome)  
 2023: Omaha, NE, November 9–12  
 2024: Atlanta, GA, November 14–17  
 2025: Reno, NV, November 13–16

### MAA MathFest

- 2022: Philadelphia, August 3–6  
[<maa.org/meetings/mathfest>](https://maa.org/meetings/mathfest)  
 2023: Tampa, FL, August 2–5  
 2024: Indianapolis, IN, August 7–10  
 2025: Sacramento, CA, August 6–9

### NCTM Annual Meeting & Exposition

- 2022: Los Angeles, CA, September 28–October 1  
[<https://www.nctm.org/events/>](https://www.nctm.org/events/)  
 2023: Washington, DC, October 25–28  
 2024: Los Angeles, CA, Sept 28–Oct 1

### AMS Joint Mathematics Meetings<sup>2</sup>

- 2022: virtual, April 6–9  
[<jointmathematicsm meetings.org/jmm>](https://jointmathematicsm meetings.org/jmm)  
 2023: Boston, MA, January 4–7  
 2024: San Francisco, CA, January 3–6

<sup>1</sup>Locations whose dates are marked \* are tentative.

<sup>2</sup>The MAA's agreement with the AMS to jointly run the Joint Mathematics Meetings ended following the JMM in 2021.