The MichMATYC Sum-Times

The Michigan Mathematical Association of Two-Year Colleges

September 2019

In This Issue

- o Message from the President
- AMATYC Update from Midwest Vice President
- o SIMIODE
- Affiliate Scholarship
- o Karen Sharp Scholarship Award
- o Campus News
- Voting Ballot Information
- Campus Representatives
- o Did You Know?
- Upcoming Events
- MichMATYC Officers & Staff

Save the Date



MichMATYC Conference

Mistakes Allow Thinking to Happen Henry Ford College Dearborn, MI October 11-12, 2019

Save the Date



45th Annual AMATYC Conference

Great Lakes – Great Ideas! Milwaukee, WI November 14-17, 2019

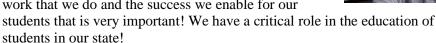


Edited by Indah Kooswinarsinindyah (kooswinarsininyahd@macomb.edu)

Message from the President

Michael Pemberton Lansing Community College

Welcome to the 2019-20 academic year! I hope that your new semester has begun with great things happening at your college. Keep in mind that it is the work that we do and the success we enable for our



As your new President of MichMATYC, I would like to introduce myself. My name is Michael Pemberton and I have been teaching at Lansing Community College for three years. I have also served as the MiTEAM Coordinator and affiliate delegate during my short time in Michigan. I look forward to meeting and representing everyone within MichMATYC for the next couple years.

I have the honor of following in the footsteps of several excellent leaders who have founded, developed, and strengthened our organization. MichMATYC exists to provide networking and professional development for colleagues intensely involved in the first two years of college mathematics.

We have several colleagues whose outstanding contributions within MichMATYC makes our organization wonderful. I would like to thank and acknowledge Sam Bazzi from Henry Ford College who continues to serve as our Secretary-Treasurer. He does a fantastic job of keeping me informed about MichMATYC's finances and is one of our organization's strongest proponents, always working to find opportunities in which to support MichMATYC.

I would also like to introduce you to our officers for this year. The Past President is Anna Cox from Kellogg Community College and continues to be a great resource. Julie Gunkelman of Oakland Community College and Shanna Simpson-Singleton of Henry Ford College will serve as our AMATYC affiliate delegates. I look forward to working with each of them!

One of the areas that I wish to explore further while serving as President is a need for added participation in volunteer opportunities within our organization. Whether you serve as a campus representative, on a committee, contribute to our newsletter, or the conference organizing team, MichMATYC benefits greatly from your involvement. All of our work is completed by volunteers and I hope that you will consider responding when an opportunity is issued to help with our organization's work.

Our 2019 MichMATYC Conference, *Mistakes Allow Thinking to Happen*, will be held at Henry Ford College in Dearborn, Michigan on October 12. A pre-conference workshop led by Dr. Maria Andersen on "Strategies for Active Learning and Assessment with Desmos" is scheduled for Henry Ford College on Friday, October 11 from 1:00 to 4:00 pm. Friday evening includes a tour of the Arab American National Museum beginning at 5:00 pm and is followed by dinner in downtown Dearborn at Habib's Cuisine. It will be an amazing conference and I hope to see everyone there! Additional information regarding registration and schedule of this year's conference events can be found at http://michmatyc2019.org and with the attached PDF schedule of events.

(continued on page 2)

Message from the President

(continued from page 1)

This summer has been busy for our executive board and year's conference is quickly approaching. We will have added importance during this year's business meeting with a vote on two proposals regarding membership (see page 6).

The second area in which I would like to focus this year is professional membership. As a group, we tend to only hold a membership in MichMATYC if we attend the conference in a given year. I believe that all full-time faculty and most adjunct faculty should belong to our

organization on a continuing basis. Being a professional has a basis in membership to state professional organizations. To assist in this goal, the executive board has created a membership brochure at http://bit.ly/michmatyc_membership. Please encourage your full- and part-time colleagues to join MichMATYC!

I hope you have a great semester, and please say hello when you see me at the conferences in Dearborn and Milwaukee, and if you have suggestions or ideas to implement, please pass them to me in person or by email at michmatyc@gmail.com.

AMATYC Update from Midwest Vice President

Jon Oaks AMATYC Midwest Regional Vice President Macomb Community College

The fall semester is well underway along with my least favorite season of the year – Pumpkin Spice Latte season. Although you might disagree with me, I hope that you won't disagree with me that the AMATYC Annual Conference this November in Milwaukee will be an excellent opportunity to learn some great ideas to take back to your classroom. If you are planning to attend, please remember that the Early Registration Deadline is a September 30 postmark if registering by mail and October 7 if registering online or by fax using a credit card.

Pictures Wanted!

During this year's Midwest Regional Lunch in Milwaukee, I would like to highlight activities going on at your campus. If you have any pictures of campus events that you would like to share with the entire region, please send them to me at jonnyoaks@gmail.com by November 1. Photos from college-wide events, student activities, mathematics awareness, award winners, etc. are all welcome!

Professional Development Opportunity Available

AMATYC's professional development programs have grown significantly over the past decade with the addition of the AMATYC Webinar Series and the increase in AMATYC Traveling Workshops. Consider applying to be AMATYC's next Professional Development Coordinator! For more details, please visit www.amatyc.org and look for 'Get Involved.' Every Professional Development Coordinator ever has been from Michigan – let's keep this tradition alive!

ICME-14 in 2020

Save the date now for ICME-14 in Shanghai, China, July 12-19, 2020. This event offers a unique opportunity for mathematics educators from the United States to discuss issues related to mathematics education with international leaders from developed and developing countries. Travel Grants for ICME-14, funded through a grant from the National Science Foundation (PD# 35281), are now available. The application deadline is October 15, 2019, and the grants will be awarded by February 1, 2020. More information about the grants is available at http://www.nctm.org/icme14.

AMATYC Midwest Regional Group on Facebook

As always, if you would like to see more updates like this, along with other news and interesting articles, please join the AMATYC Midwest Regional Facebook Group at http://bit.ly/amatycmidwest.

Thanks so much; I hope you have a great rest of the semester, and I hope to see you soon in Milwaukee at the AMATYC Annual Conference!



SIMIODE

Greg Thull

Grand Valley State University

SIMIODE (<u>simiode.org</u>) is a free professional organization that promotes the use of modeling in the teaching of mathematics. Their website provides many resources and projects for use in the classroom. They also organize the SIMIODE challenge using differential equation modeling (SCUDEM).

This year the challenge will take place November 1st through the 8th with teams creating models for one of three modeling scenarios. On Saturday, November 9th teams will gather at a local host site to present their models in a positive supportive environment.

The local host will have additional activities planned for the student teams on that day as well as professional development activities for team coaches. For additional information or to register for the challenge visit

https://www.simiode.org/scudem/2019. Please consider recruiting a team for your school and supporting your students' mathematical development. Registration deadline is October 25, 2019.

For SCUDEM IV there are three local host in Michigan for you to consider joining.

- Grand Valley State University, Allendale MI
- Lawrence Technological University, Southfield MI
- Michigan Technological University, Houghton MI

Please contact Greg Thull (<u>thullg@gvsu.edu</u>) if you have any questions.

AMATYC Affiliate Scholarship

Julie Gunkelman
Oakland Community College

As an AMATYC affiliate, we have the opportunity to award a scholarship for someone to attend the annual AMATYC Conference this year in Milwaukee, Wisconsin on November 14-17, 2019. The scholarship covers the cost of early registration (\$360).

Preference will be given to someone who will be attending their first AMATYC conference, but **everyone is eligible**. Complete the <u>Affiliate Scholarship for the AMATYC Conference Form</u> by 11:59 PM on Friday, September 27.

Please send an email to either Julie Gunkelman (jagunkel@oaklandcc.edu) or Shanna Simpson-Singleton (msrsimpson@hfcc.edu) if you have any questions.

Karen Sharp Student Scholarship Award

Lisa Winch

Kalamazoo Valley Community College

The Karen Sharp Student Scholarship Committee would like to give a big congratulations to the winners of this year's award:

Joshua Adair (Kellogg Community College)
David Hampshire (Oakland Community College)

Each student will receive a \$500 scholarship in support of their continuing education at this year' MichMATYC Conference at Henry Ford College on October 12.

I would also like to thank the members of the scholarship committee, Brianne Lodholtz and Maria Johnson for their work reading and evaluating applications, and making thoughtful recommendations.

Also, a very special thank you to the faculty for writing letters of recommendation to support their students who apply for this scholarship.

Remember that next year's application for the Karen Sharp Student Scholarship will be **April 30, 2020**.



Campus News

Alpena Community College

Dan Rothe

The fall semester has begun here at ACC. We are happy to report that our enrollment is up 4.71% in headcount and 4.32% in credit hours. Dual enrollment and early college programs continue to play a role in our positive numbers. In addition to our online Intermediate Algebra, we are also offering a section via VCS (Video Conferencing), which allows students from several of the smaller outlying high schools to be a part of the class. These are students from schools that would be too small to have their own section and too far away from dual enrollment students to commute for one class.

Sigma Zeta Math/Science Honor Society inducted seven new members in the spring. The group assisted with events at the Regional Science Olympiad Tournament. We had a majority of our members graduating in May, so we are in the member search phase to start the next year. We will once again be proving coat check and valet parking at the Military Ball at the Phelps Collins Air National Guard Base here in Alpena. New officers for the 2019-2020 school year are: Jozie Appelgren, President; Alexis Mutschler, Vice President; Laurie Smith, Secretary; and Oscar Montaño, Treasurer.

Henry Ford College

Jeanine DiDonato

Here at Henry Ford College we are busy preparing to host the MichMATYC conference on October 11-12, 2019. Please register and pay by October 1st before the price increases! Check out our conference website at (michmatyc2019.org) to see the schedule and the variety of sessions that are planned. Consider attending the Friday workshop and/or our Friday social event as well.

Other News:

- Our pilot accelerated path to Calculus course (MATH 165), which combines College Algebra and Precalculus is going very well.
- Henry Ford College is very proud of our student Najwa Aboudaye, who was ranked as the top female student in the Midwest region in the Student Math League Competition for the 2018-19 academic year Michael Zalzali has worked very hard to encourage our busy students to participate in the competition.

Kalamazoo Valley Community College

Jon Stasiuk

This fall, we welcomed new tenure-track instructor of mathematics Daniel Stevens. Daniel grew up around the Athens, MI area. He initially went to Kettering University for Electrical engineering, but after a year-long internship at Eaton, switched to teaching. He graduated from Western Michigan University with a master's in Mathematics Education in 2011. Daniel taught high school for Portage Public Schools for twelve years, mostly in AP and International baccalaureate mathematics. After spending a year as an adjunct instructor for Kalamazoo Valley Community College, he is happy to be a full-time instructor.

We are using the G2C initiative to redesign our Intermediate Algebra to raise the equity of completion rates in this course. We had tested several different assessment and post-assessment techniques and have also focused on being more intentional about how we build the class culture. Based on this work we are piloting this redesign in a few of the Intermediate Algebra classes this Fall and Winter semesters. This project is headed up by instructors Chris Cockerel and Nicole Newman.

Kellogg Community College

Anna Cox

We are excited to add David Tannor as a new tenure-track professor at Kellogg Community College. We are also excited to have Jenn O'Brien for one semester as Marcus Anderson continues his sabbatical. We are also wishing Pat Kopf well in her retirement that will begin the end of this semester.

Lansing Community College

Leslie Mohnke

A team of three Lansing Community College instructors with extensive knowledge in calculus and rich math teaching experience developed open educational resource materials for our Calculus with Applications course. In Fall 2019, the new and customized textbook and online homework assignments are implemented in the course sections.

"In addition to mathematical facts from calculus topics, the textbook presents how new knowledge is applied in various domains such as business and economics, physics, life sciences, and social sciences." – from the authors' description of the textbook posted on Lulu.com.

(continued on page 5)

Campus News

(continued from page 4)

In addition, a Lumen OHM course was created; it has eText access, instructional videos, and homework assignments. If you have any questions about the newly created materials, please contact Math 141 Coordinator Maria Johnson (johns257@star.lcc.edu).

A second major project for this fall was to implement a co-requisite course for Stat 170 (Intro to Statistics) and Math 119 (Quantitative Reasoning). This two-credit embedded support course incorporates mathematics skills and applications across many disciplines with big conceptual questions that will engage students throughout. The course aligns with intellectual and practical skills, specifically including inquiry and analysis, critical and creative thinking, written and oral communication, teamwork and problem solving.

The course is a co-mingled model combining two different college-level courses that will support students so that they will be able to successfully complete their college-level math course in one semester by building foundations and practicing skills for life-long learning. If you are interested in more information, please contact Leslie Mohnke (mohnkel@star.lcc.edu) or Dawn Hardin (hardind@star.lcc.edu).

Lansing Community College would like to welcome four new full-time faculty members to our team.

- Jordan Gill graduated from Spring Arbor University in 2011 with a bachelor's degree in Mathematics and a focus in secondary education. He taught high school for 3 years at Neuse Charter School in North Carolina. In the fall of 2013, he moved back to Michigan to pursue a Ph.D. from Central Michigan University. He is planning on defending his dissertation this fall and graduating with a Ph.D. in Mathematics with a concentration in Collegiate Mathematics Education. When not working on lessons or mathematics problems, Jordan enjoys spending time with his wife Nicole and two beautiful daughters, June (2 years old) and Nina (4 months old).
- Mathew Kerns spent 13 years as an over-the-road truck driver before returning to college to complete his degrees. He has a BS in Pure Mathematics, MS in Pure Mathematics, and an M.Ed. in Mathematics Education.

- Mat spent two years teaching high school in Ohio and then four years teaching at Fulton-Montgomery Community College in upstate New York. He is a member of NCTM, MAA, and NYSMATYC.
- Kristen Meck was a high school teacher for 17 years and taught part-time at the community college level for 10 years before accepting this full-time position. She has a BS in Mathematics, a master's in secondary mathematics education and was pursuing a Ph.D. in curriculum and instruction with a focus in secondary mathematics education with a minor in pure mathematics.
- Lillian Ryall previously taught mathematics courses at the University of Michigan, Washtenaw Community College, Schoolcraft College, and Madonna University. She holds a BS in Mathematics and Chemistry from Madonna University, a master's in mathematics from the University of Texas and a Juris Doctorate from Wayne State University. Lillian is very excited to be a new member of the LCC mathematics department.

Macomb Community College, South Campus *Gary Kaplan*

At the end of the Winter 2019 semester, our colleague Zak Musallam retired. We wish him well in his retirement. This semester Denis Johnson is serving in a temporary full-time capacity until we search for a permanent replacement.

We have three adjunct faculty teaching at our South Campus for the first time this semester – Melissa Jones, David Grant, and Md Bashar. We welcome them to our incredible team of instructors and are happy to have them on board with us!

Our colleague Jon Oaks is on a sabbatical this semester. As part of his leave, he is visiting math museums around the world, including the Seocho Math Museum in Seoul, Korea. Although we miss him this semester, we look forward to seeing the results from his sabbatical upon his return.

Mid-Michigan College

David Kedrowski

At Mid-Michigan College we have two sections of Basic Algebra that will run for 8-weeks this semester, followed by 8-week versions of Intermediate Algebra. In the winter we'll try the same using Basic Algebra and Mathematical Reasoning.

(continued on page 6)

Campus News

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We find that we have students who need these developmental courses as a refresher and can therefore work through them more quickly than others. That's the theory, anyway.

Our program review from this past winter was well received. We were able to show changes we've made to our developmental courses over the last five years have resulted in noticeably improved learning for students. Early indications appear to show moving away from Accuplacer and using multiple measures placement has had a neutral to slightly positive impact on student placement and success. This was mandated by our president, so our main hope was we wouldn't see a negative impact. Our two-year class size study for developmental courses will finish this year and we are anxious to see the results. We have argued that moving to a more active pedagogy requires smaller class sizes for maximum impact.

Schoolcraft College

Michael McCoy

We are thrilled two announce that the Schoolcraft math department has added two new full-time faculty members: Katy Shields and Heather House. Both Katy and Heather have been teaching at Schoolcraft since 2014. They will officially begin their full-time positions in the winter 2020 semester.

Katy Shields earned an associate degree from Oakland Community College, followed by a B.S. and M.A. from Eastern Michigan University. She has taught a wide range of courses at Schoolcraft, from Basic College Mathematics to Differential Equations. She recently became credentialed to teach and develop online courses for our distance learning department as well.

Heather House earned a B.S. degree from the University of Michigan-Dearborn and M.A. from Oakland University. She has been teaching Trigonometry and Pre-Calculus on a regular basis for the past few years at Schoolcraft. She also worked in the insurance industry in addition to working part-time at Schoolcraft.

Voting Ballot Information

Michael Pemberton Lansing Community College

We will be having two important proposals upon which we will be voting during the business meeting at this year's MichMATYC Conference at Henry Ford College.

- 1. The first proposal on the ballot is an increase in annual individual membership dues.
 - According to the <u>MichMATYC Constitution and</u> <u>By-Laws</u>, the current individual membership dues are set at \$5 annually.
 - After research and conversations with AMATYC Affiliate Presidents, an increase in the individual membership to \$10 annually will place the organization in-line with state affiliates within the Midwest Region of American Mathematical Association of Two-Year Colleges (AMATYC).
 - The annual individual membership dues increase will not take effect until September 1, 2020.

If approved, the MichMATYC Executive Board supports using the additional funds from annual membership dues to help fund a MichMATYC member to attend the AMATYC national conference each year.

- 2. The second proposal on the ballot is the creation of a life-time MichMATYC individual membership.
 - The idea of a life-time individual membership was introduced and discussed during last year's business meeting.
 - A life-time individual membership carries all benefits and privileges of an active individual membership in effect at the time of joining, or in the future if new professional benefits are added.

If approved, MichMATYC will begin offering the following two types of membership:

- 1. Annual Individual Membership
- 2. Life-Time Individual Membership
 - One-time payment of \$100 until August 31, 2020
 - One-time payment of \$150 beginning September 1, 2020

Keep in mind that all regular MichMATYC members are eligible to vote in the election. A current MichMATYC individual membership begins each year on September 1. If you have questions, concerns, or comments on either proposal, please email the Executive Board at michmatyc@gmail.com.

Campus Representatives

Alpena Community College

Dan Rothe

rothed@alpenacc.edu

Bay De Noc Community College

Britt Slade

sladeb@baycollege.edu

Delta College

Phoebe Lutz

pglutz@delta.edu

Glen Oaks Community College

Michael Sandelin

msandelin@glenoaks.edu

Gogebic Community College

Paul LaBine

PaulL@gogebic.edu

Grand Rapids Community College

John Dersch

jdersch@grcc.edu

Henry Ford College

Jeanine DiDonato

jdidonato@hfcc.edu

Jackson College

Erik Brown

BrownErik@jccmi.edu

Kalamazoo Valley Community College

Jon Stasiuk

jstasiuk@kvcc.edu

Kellogg Community College

Sue Stetler

stetlers@kellogg.edu

Kirtland Community College

Greg Mink

greg.mink@kirtland.edu

Lake Michigan College

Jim Larson

larson@lakemichigancollege.edu

Lansing Community College

Maria Johnson

johns257@lcc.edu

Macomb Community College

Center Campus

Caroline Castel

castelc@macomb.edu

Macomb Community College

South Campus

Gary Kaplan

kaplang@macomb.edu

Mid-Michigan Community College

David Kedrowski

dkedrows@midmich.edu

Monroe County Community College

Vinnie Maltese

vmaltese@monroeccc.edu

Montcalm Community College

Brianne Lodholtz

briannel@montcalm.edu

Mott Community College

Bernard Cunningham

bernard.cunninghamp@mcc.edu

Muskegon Community College

Gary Nonnemacher

Gary.Nonnemacher@muskegoncc.edu

North Central Michigan College

Gary Kerstinger

gkersting@ncmich.edu

Northwestern Michigan College

Ernie East

eeast@nmc.edu

Oakland Community College

Auburn Hills Campus

Janet Peart

jepeart@oaklandcc.edu

Oakland Community College Highland Lakes Campus

Emily McAllister

ehmcalli@oaklandcc.edu

Oakland Community College Orchard Ridge Campus

Julie Gunkelman

jagunkel@oaklandcc.edu

 $Oakland\ Community\ College$

Royal Oak Campus

Celeste Bogan

clbogan@oaklandcc.edu

Oakland Community College

Southfield Campus

Celeste Bogan

clbogan@oaklandcc.edu

St. Clair County Community College

Cindi Wade

cwade@stclair.cc.mi.us

Schoolcraft Community College

Audrey Mingela

amingela@schoolcraft.edu

Southwestern Michigan College

Ria Thomas

rthomas@swmich.edu

Washtenaw Community College

Mark Batell

mfbatell@wccnet.org

Wayne County Community College

Kevin Lawson

klawson1@wcccd.edu

West Shore Community College

Paul Drelles

pgdrelles@westshore.edu

Did You Know?

Michael Pemberton

Lansing Community College

Did you know that our MichMATYC website (http://michmatyc.org) has undergone a significant refresh and contains a redesigned layout?

The website is a great way for you to keep up-to-date with what is going on in MichMATYC between newsletter issues and each year at our conference. The main page will continue to contain recent announcements and a list of upcoming events.

However, there is so much more information about our organization provided on the website, including membership information; contact information for officers, staff, and campus representatives; outstanding teaching award and student scholarship information; conference information, MiTEAM program; a job board, and previous editions of The Sum-Times newsletter.

Do you have an announcement or an idea for the website to share with colleagues? If so, please contact send your information to michmatyc@gmail.com.

Upcoming Events

MichMATYC Conference

2019: Henry Ford College, October 11-12
2020: Lansing CC, October 2-3
2021: Southwest Michigan College

2022: Jackson College

MDEC Annual Conference

2019: Lansing CC, October 31-November 1

Joint MCTM and MCEC Conference

2019: Lansing CC, October 28

Michigan Section-MAA Annual Meeting

2020: Grand Valley State University, April 3-4

MAA-AMS Joint Mathematics Meeting

2020: Denver, CO, January 15-18

AMATYC Annual Conference

2019: Milwaukee, WI, November 14-17
2020: Spokane, WA, November 12-15
2021: Phoenix, AZ, October 28-31
2022: Toronto, ON, November 17-20

NOSS Annual Conference

2020: Nashville, TN, March 4-7

NCTM Annual Meeting & Exposition

2020: Chicago, IL, April 1-4

MAA MathFest

2020: Philadelphia, PA, July 29-August 1

MichMATYC Officers & Staff

President

Michael Pemberton Lansing Community College 419 North Washington Square Lansing, MI 48933 pembertm@lcc.edu

Past President

Anna Cox Kellogg Community College 450 North Avenue Battle Creek, MI 49017 coxa@kellogg.edu

Secretary/Treasurer

Sam Bazzi Henry Ford College 5101 Evergreen Rd. Dearborn, MI 48128 sbazzi@hfcc.edu

AMATYC Affiliate Delegates

Julie Gunkelman
Oakland Community College
Orchard Ridge Campus
27055 Orchard Lake Rd.
Farmington Hills, MI 48334
jagunkel@oaklandcc.edu

Shanna Simpson-Singleton Henry Ford College 5101 Evergreen Rd. Dearborn, MI 48128 srsimpson@hfcc.edu

AMATYC State Delegates

Amy Barnsley Northern Michigan University 1401 Presque Isle Ave Marquette, MI 49855 abarnsle@nmu.edu

Anna Cox Kellogg Community College 450 North Avenue Battle Creek, MI 49017 coxa@kellogg.edu

MAA-Michigan Section Two-Year Representative

Sang Lee Grand Rapids Community College 143 Bostwick Avenue NE Grand Rapids, MI 49503 sanglee@grcc.edu

Newsletter Editor

Desidera Kooswinarsinindyah Macomb Community College 14500 E. 12 Mile Road Warren, MI 48088 Koowinarsinindyahd@macomb.edu

MiTEAM Coordinator

Michael Pemberton Lansing Community College 419 North Washington Square Lansing, MI 48933 pembertm@lcc.edu

