



# MichMATYC Sum-Times

## September 2017

EDITED BY INDAH [KOOSWINARSININDYAH@MACOMB.EDU]

IN THIS ISSUE

## Greetings from the President

by Anna Cox, Kellogg CC

Welcome to another wonderful and exciting semester. Thank you for the services that you provide to your students. You support them in reaching their dreams. I am proud of you!

We have amazing things happening with our organization and a great conference at Baker College on October 20 and 21st. It will be a delightful time to reconnect with friends and colleagues. I look forward to seeing you there.

We have many people who make the organization spectacular and I want to thank all of you.

I would like to acknowledge some of our individuals including Cindie Wade as past president from Saint Clair Community College, Sam Bazzi as treasurer and secretary from Henry Ford College, Michael Pemberton of Lansing Community College and Lisa Winch of Kalamazoo Valley Community College who are the AMATYC delegates. Other members of our organization that I would like to thank are Desidera

Kooswinarsinindyah from Macomb Community College who is doing a fantastic job as our MichMATYC newsletter editor and she is now getting assistance from Jon Oaks, our Regional VP of AMATYC. Mark Pelfrey from Southwestern Michigan is our MichMATYC Website Editor. We have many members in leadership roles with AMATYC including Jim Ham, Jon Oaks and Julie Gunkelman and I appreciate their commitments to the organization.

We continue to work to improve our organization and are receptive to your ideas and suggestions.

Our Affiliates are having upcoming conferences too; WisMATYC on October 7 and InMATYC on October 13!

Please feel free to reach out to me if you are needing anything.

Anna Cox  
MichMATYC president  
Kellogg Community College

- Greetings from the President
- Save the Date
- Message from AMATYC Midwest VP
- AMATYC Delegate Assembly Update
- MiTEAM Update
- Campus News
- AMATYC Professional Development Update

## SAVE THE DATE

**43<sup>rd</sup> AMATYC Annual  
Conference  
San Diego, CA  
November 9-12, 2017**

# AMATYC Update

Jon Oaks

AMATYC Midwest Regional Vice President

As you may already know, the AMATYC Annual Conference is right around the corner, November 9-12, 2017, at the Sheraton San Diego Hotel & Marina in San Diego, CA. With that being said, I want to give you the top 10 reasons of why I'm looking forward to the conference and why I think you should attend this year:

1. New this year! I have planned some opportunities for you to have a free dinner with me and to meet some new people from Midwest Region during the conference. See <http://bit.ly/dinnerwithvp> for details.

2. There will be a Midwest regional breakfast on Friday at 7:45 am during the conference. Not only is this a great opportunity to network with others from the Midwest Region and learn about what is happening in AMATYC and in the region, but there will be customized Midwest drink koozies distributed during the breakfast!

3. AMATYC has been creating a revision of its standard documents, Crossroads and Beyond Crossroads. The new standards document, called AMATYC IMPACT, will be presented to the Delegate Assembly at the AMATYC Annual Conference in San Diego. There are also presentations scheduled during this year's conference, at which you can learn more about this exciting new document.

4. Even if you aren't presenting, you can still be a presider over a session at the conference! Duties include introducing the speaker, helping with handouts, and giving directions on how to complete the session evaluation form. The presider form can be found at: <http://confreg.matyc.org/preside/index-2017.php>

5. You can participate in one of the Committee or ANET Meetings on Friday at 4 pm during the conference. If you've been looking for a way to become more involved in AMATYC or even MichMATYC, joining one of these committee meetings would be a great way to do so! Perhaps you could attend one of the committee meetings and then write a short update for the next MichMATYC Times?

6. The IGNITE event on Friday at 6 pm during the conference! If you don't already know what all of the excitement is about, you can check out a video of last year's IGNITE event here:

<http://bit.ly/denverignite2016>

7. This year's opening session looks to be one of the best! Scott Adamson will be asking us to think about how the teaching and learning of mathematics in 1957 compares to the teaching and learning of mathematics in 2017. If you haven't already seen the promo video, you can check it out here: <http://bit.ly/amatycpromo>

8. The Faculty Math league on Friday at 2:55 pm during the conference! I'm hoping Michigan will help the Midwest Region bring the trophy home again this year!

9. There is a complimentary shuttle from the San Diego Airport to the hotel!

10. Everything else... From the new Chat & Chew sessions on Thursday morning to the Closing session on Sunday, there is always so much to do at every AMATYC Annual Conference!

Please contact me if you have any questions. I hope to see all of you in November at the AMATYC Annual Conference in San Diego! And, remember, registration for the conference is open right now at <https://amatyc.site-ym.com/?2017ConfHome>.



**AMATYC Midwest Region on Facebook** – I encourage you to join the AMATYC Midwest Regional Group on Facebook, if you haven't already. This is a great place to see more frequent updates from around the region and have informal networking with others.

Jon

[jonnyoaks@gmail.com](mailto:jonnyoaks@gmail.com)

## AMATYC Delegate Assembly Update

Jonathan Benefiel

It is an exciting time to be a member of AMATYC. This year's AMATYC Annual Conference is in San Diego, CA, November 9-13, and the AMATYC Delegate Assembly is planned for Saturday, November 11, from 3:45 pm to 5:45 pm. During this time, AMATYC Delegate Assembly will receive various reports from AMATYC leadership and vote on several items.

AMATYC is revising its standards document, *Beyond Crossroads*, entitled: *AMATYC IMPACT Improving Mathematical Prowess And College Teaching*. This year, the AMATYC Delegate Assembly will be asked to endorse the philosophy and spirit of the draft in preparation for release of the document in November 2018.

The Delegate Assembly will also be presented with AMATYC's Strategic Plan for the next six years as well as finding out the location of the AMATYC Conference in 2023.

If you have any questions or comments to give to me to have your voice heard during the AMATYC Delegate Assembly, please feel free to contact me at [jbenefiel24@gmail.com](mailto:jbenefiel24@gmail.com).

## Professional Development Update

Julie Gunkelman

AMATYC Professional Development Coordinator  
[amatycpdc@gmail.com](mailto:amatycpdc@gmail.com)

One of the ways that AMATYC extends professional development beyond the conference is through the webinar series. Recordings of past webinars and webinar materials can be found via [bit.ly/amatyc-webinars](http://bit.ly/amatyc-webinars).

On September 25<sup>th</sup> at 4 PM Tony Piccolino is giving an AMATYC webinar "Beyond Newton & Leibniz: The Making of Modern Calculus." Here is the webinar description: Calculus as it is presented in modern college curricula and contemporary textbooks is a product of the ground-breaking discoveries by a cadre of nineteenth-century mathematicians including Cauchy, Weierstrass, Riemann, Bolzano, and Kovalsky. This session traces these major breakthroughs to assist instructors in integrating historical aspects of calculus into their curriculum.

AMATYC members may sign up for the webinars when they are announced. Please go to [amatyc.org](http://amatyc.org) to join or renew your AMATYC membership.

# MichMATYC 2017 Conference

October 20 – 21, 2017

Baker College, Muskegon

<https://sites.google.com/view/2017-michmatyc-conference/home?authuser=0>

*During the 2017 MichMATYC Conference, we will have a 'networking/sharing' session in the afternoon (1:10pm to 2:50pm) to give those attending a chance to discuss current issues in collegiate mathematics education and find possible solutions. Preliminary topics include: Co-requisite remediation; Placement (Accuplacer, ALEKS, etc); Pre-Calculus and Calculus courses; Michigan Transfer/MTA and coordination of transfer. If you have a topic you would like included, contact Jack Rotman ([rotmanj@lcc.edu](mailto:rotmanj@lcc.edu)) who will be facilitating the session.*

# MichMATYC Welcomes First Cohort of MiTEAM

Michael Pemberton  
MiTEAM Coordinator

The Michigan Teacher Enrichment and Mentoring (MiTEAM) program is pleased to announce the selection of five participants to attend the next two MichMATYC Conferences in Muskegon and Kalamazoo. The first cohort of MiTEAM participants are:

Carmen Andert, Grand Rapids Community College  
Jonathan Benefiel, Oakland University  
Erik Brown, Jackson College  
Maria Johnson, Lansing Community College  
Jannora Lauderdale, Lansing Community College

During this year's conference, MiTEAM participants will attend activities and sessions specifically designed for new two-year mathematics faculty in their first three years of teaching. In particular, participants will meet with their mentor to share ideas and inspiration for their development, implementation, and evaluation of a project between their first and second years in the program.

The following year in Kalamazoo, participants will present their MiTEAM project during a mini-poster session at the 2018 MichMATYC Conference to share their results of the projects they worked on over the year.

If you, or a colleague, will be in the first three years of teaching full- or part-time at a community college during the 2018-19 academic year, please consider applying for Cohort 2 of the MichMATYC MiTEAM that will meet for the first time at the 2018 MichMATYC Fall Conference. Applications for Cohort 2 will be accepted beginning on April 1, 2018 and can be found at <http://bit.ly/MiTeam>.

For more information and details about MiTEAM, please contact me at [pembertm@lcc.edu](mailto:pembertm@lcc.edu) or (517) 483-1536.

# An article from one of the MiTEAM participants

Jonathan Benefiel

You may have heard of MichMATYC's new professional development initiative called MiTEAM. Michael Pemberton of Lansing CC is coordinating it. It is similar AMATYC Project ACCESS. I applied for the program this year and am excited to report that I will be in MiTEAM's first cohort. I am looking forward to the opportunity to improve my teaching of mathematics and become more active in MichMATYC, as well as the broader mathematical community.

As part of MiTEAM, all participants must complete a classroom project. I am still in the very early stages of designing my project, but I would still like to share some of my ideas with you:

- Developing a Calculus 1 Workshop
- Teaching a class completely with OERs (open education resources)
- Injecting history of mathematics in the classroom
- Having students keep a log throughout the semester

Although the application for the first cohort of MiTEAM were due on September 1, I would highly encourage you to consider applying for next year's cohort, as I truly believe this is a great opportunity for any new instructor, full- or part-time.

With that being said, I look forward to seeing you all at this year's MichMATYC conference at Baker College in Muskegon on October 20!

# CAMPUS NEWS

## Alpena CC - Dan Rothe

As we begin another school year here at Alpena Community College, we find enrollment up 3.55% in headcount while down 2.75% in credit hours both better than budgeted. Dual enrollment/early college offerings are up this year. We are now offering a College Algebra (Finite Math) course at

Inland Lakes High School in Indian River, a Tech Math class at Alcona High School, and a Biology class at Augres Sims High School. Dual enrollment and early college math students from Alpena are in various classes at the college as well as a section of Calculus I we are offering at Alpena High School. College Algebra will be offered in Rogers City in the spring.

We welcome our new Vice President of Instruction Deborah Bayer who joined us over summer. She replaces Kathy Marsh who retired at the end of June. Kathy will be back in a temporary role to assist with the NCA accreditation visit later this month.

Our Math 1090 Arithmetic Classes on main campus taught by Jim Berles and Meghan Cameron are using the online homework from XYZ Publishing. They use a set of laptops in the classroom. It is hoped that the immediate feedback from online homework will increase student success rates.

This fall, we have two online sections each of Intermediate Algebra and Statistics. The second section of each was added when the first filled and both of the new sections also ran. New Video Conferencing System equipment was purchased by the college to replace aging ITV equipment. Opportunities to run a math class with some students in Alpena and some at the Huron Shores Campus in Oscoda are being explored. A potential Calculus I class for spring is in the planning stages. This equipment could also allow for the offering of classes at outlying high schools where the numbers aren't large enough to have a complete section there.

On Tuesday, August 15th, the Huron Shores Ed Tech Conference was held at Alpena Community College.

Over 130 educators from all over northeast Michigan engaged in professional development that focused on integrating technology into the classroom. The Huron Shores Ed Tech conference was a collaboration between Ashlie O'Connor, an Instructional Technology and Data Specialist at the Alpena Montmorency Alcona Educational Service District, and Meghan Cameron, an Instructor of Mathematics at Alpena Community College. The conference was designed to support 21st century learning skills.

The conference had two keynote speakers. Tim Kaegi, the opening keynote, is from Ann Arbor, Michigan and an elementary teacher. He spoke to the attendees about his inspirational moments throughout his educational career and how encouraging creativity in students inspires learning. John Phillips, the closing keynote, is from Berrien County, Michigan. John spoke about the Maker Movement and how it is catching on in schools. The Huron Shores Ed Tech conference had over 20 breakout sessions where teachers shared their knowledge and technology uses in the classroom. The Huron Shores Ed Tech Conference was also supported by seven companies including REMC Association of Michigan, Peardeck, Belkin, Sowash Adventures LLC, Acer, Michigan Virtual and Performance Locker.

## Delta College - Frances Lichtman

Congratulations to Joe Hernandez and Myung Pinner who have been promoted to the rank of Associate Professor.

The Science and Mathematics Division looks forward to welcoming visitors to the fifth annual Dow Great Lakes Bay STEM Festival to be held at Delta College on Friday, October 6 and Saturday, October 7. This free festival is designed to get children, adolescents, and their families excited about science and engineering by engaging them in hands-on activities. About 3,600 area middle school students have registered to visit Delta College on Friday. Several thousand visitors are expected on Saturday, when the event will be open to the public. The festival is a partnership between Michigan Technological University's Mind Trekkers road show, Dow Chemical, Delta College, and many area businesses, corporations, foundations, community groups, and schools.

**Jackson CC - Erik Brown**

Vincent (Vinnie) Maltese Jr. joins the Jackson College math department mathematics/business learning facilitator. He will primarily be teaching in JC's Prison Education Initiative. Vinnie previously worked as dean of science and mathematics and professor of mathematics at Monroe County Community College from 2000-2016; Energy Transportation Corporation from 1980-1998, LNG cargo systems engineer and assistant marine engineer; and has been a part-time instructor of mathematics at Jackson College, Owens Community College and Athena Career Academy. He holds a Bachelor of Science in Marine Engineering from the U.S. Merchant Marine Academy, a Master of Arts in Mathematics from Eastern Michigan University, a Master of Business Administration from Baker College, and 54 graduate credits in higher education leadership – Western Michigan University.

**Kalamazoo Valley CC – Darlene Kohrman**

The mathematics department of Kalamazoo Valley Community College begins the Fall 2017 semester by bidding goodbye to two long time faculty members. Cindy Wilson and "Bala" have both retired. Cindy taught at our Arcadia campus while Bala shared his teaching load between mathematics and physics. They will be missed but we wish them well as they embark on the next stage of their lives.

The department is pleased to welcome two new faculty members to the team:

**Chris Cockerel** is a new member of KVCC's full-time mathematics department. Prior to becoming a full-time faculty member, Chris served in the Army for almost 10 years. While still in the military, he received his Bachelor's degree from Western Michigan University. After his first child was born, Chris moved on from the military and started his teaching career at

Niles Community Schools, then moved on to Harper Creek Community Schools before finding his home at KVCC in 2011 where he has worked as an adjunct instructor ever since. While working at KVCC, Chris also completed his Master's degree, worked at WMU as an Assistant Project Director of the Michigan Mathematics Rural Area Project and built and remodeled homes for a residential construction company. Chris has a wonderful wife and three beautiful children and enjoys spending his time with them camping, fishing, and volunteering in their activities. Chris is very excited to be a new member of KVCC's full time mathematics department.

**Jamil Mortada** is our other new faculty member. His educational background includes the following degrees: a BS in Mathematics from the University of Arizona, a MS in Mathematics from Florida State University, and a Ph.D. in Mathematics from Florida State University. Jamil has a wonderful family close by as his parents as well as one of his brothers live in Dearborn, a sister lives in Grand Rapids, and another brother lives in Toronto. He is recently married to his beautiful wife Natalie, and has recently moved to start their married life in Kalamazoo. Jamil's teaching experience is wide and varied having taught math classes from basic to advanced classes. He has done this teaching at such places as: The University of Arizona, Florida State University, The College of Coastal Georgia, Henry Ford College, Eastern Michigan University, and Lawrence Technological University. He enjoys soccer, ping-pong, pool, reading and solving math problems. As a member of the math department, he will likely be teaching Calculus, Differential Equations, Linear Algebra, Precalculus, in addition to other assigned courses.

Congratulations to Kelly Digby on receiving her tenure. We will miss Sue Hollar this semester as she is teaching an alternate schedule. Michael Raines will be offering the department members and students opportunities to participate in a math seminar throughout the academic year. The kickoff for the seminar is November 15.

The department continues to discuss the use of ALEKS for placement and establishing a department wide policy on attendance for all developmental math courses.

## Macomb CC South Campus – Jon Oaks

This summer was a busy one within our department in terms of personnel changes. Gary Kaplan is now officially our newest full-time faculty member. Also, Mike Cadotte, Albert Gui, Denis Johnson, and Herb Vasquez have joined us as part-time faculty members. Welcome to all of you!

Also, our department continues to be involved in offering Multicultural and International Events at the college. On Wednesday, October 18, at 6 p.m., in the South Campus Library, there will be a book discussion of "The Crest of the Peacock: Non-European Roots of Mathematics." We hope to see you there!

## Catapults Invade Pre-Calculus

Erk Brown



A new classroom set of wooden catapults will make their debut in Pre-calculus courses at Jackson College. The catapults are used to develop students' understand of quadratic modeling as a project, the brainchild of Steve Tuckey, completed partially in class. Students are assigned to groups of no more than four, provided a catapult, marshmallow, measuring device, and task with finding an equation to model the marshmallow's trajectory. After

collecting several data points, students find a regression equation and test it. Extra complexity can be added to the assignment by adjusting the tension or changing the angle of launch. As a final test of students' results, the classroom is filled with Lego men and students are awarded extra points for each man hit.



## Alpena CC Sigma Zeta Math/Science Honor Society Spring Field Trip

Dan Rothe

**Sigma Zeta Math/Science Honor Society** enjoyed a spring field trip to the Pendills Creek National Fish Hatchery near Brimley and the Soo Locks. We received a tour of the locks from the engineer. The view from the control tower and the tunnels under the locks were impressive. (see pictures below). We also made a brief stop at Point Iroquois Lighthouse. After a high graduation rate last spring, Sigma Zeta begins the year with our new member search. We will do some promotion of the group and math/science in general at the annual ACC Welcome Back Bash on September 6. Officers for the 2017-2018 year are: President: Hazel Blakely, Vice President: Courtney Krentz, and Secretary: Stephanie Domke. The advisor is Dan Rothe.



At the fish hatchery (L-R) Connor Wright, Dylan Matthews, Luke Carstens, Dan Rothe(advisor), FWS employee, Caitlyn Koseba, Olivia Cordes, and Rachel Chroninger.



Future engineers at work on the beach at Point Iroquois Lighthouse.



Tunnels under the locks



View from the control tour at the Soo Locks.



Future engineers listening to Army Corps of Engineer's Jim Peace explain the dewatering pumps.

## About MichMATYC

On May 2, 1981, thirteen two-year college instructors met at the MAA Michigan section meeting at Oakland University. Karen Sharp called the meeting, explaining the need for a Michigan section of AMATYC. The organization was founded to provide a venue for interaction between the mathematics faculties at community colleges across the State of Michigan. An opportunity to share ideas, consolidate resources, and plan for the future needs of community college students in the state became primary functions of MichMATYC, as well as connecting to university mathematics. Its organizational rules and policies are contained in its constitution.

## MichMATYC Leadership

- President:** Anna Cox, Kellogg CC
- Secretary/Treasurer:** Sam Bazzi, Henry Ford College
- Past President:** Cindi Wade, St. Clair CC
- Affiliate Delegate:** Lisa Winch, Kalamazoo Valley CC
- Affiliate Delegate:** Michael Pemberton, Lansing CC
  
- Newsletter Editor:** Desidera Kooswinarsinindyah,
- Website Editor:** Mark Pelfrey
- AMATYC Midwest Vice President:** Jon Oaks