



OFFICIAL  
NEWSLETTER  
OF THE  
HOOSIER  
ASSOCIATION  
OF  
MATHEMATICS  
TEACHER  
EDUCATORS

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# HAMTE Crossroads

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## Message from the HAMTE President



Recent news reminds us of the discouraging state of education policies in Indiana, a trend started in 2010. Changes in legislation have increased regulation of education schools and licensure requirements for teacher education students, and lowered standards of preparation for nontraditional teacher preparation programs. Under these policies experienced teachers are leaving the profession and others are discouraged from entering the field. Teacher preparation programs continue to see a decrease in their enrollments. In two recent newspaper articles Education Deans from Purdue University and from Indiana University comment on these issues and one of them warns "Indiana education headed for disaster" (links to articles below). These are times when our organization needs to continue looking for ways to help change the direc-

tion Indiana education is headed.

On a more positive note, we had a great group of HAMTE members attending the AMTE annual meeting in Florida in mid February. It was good to see many of you at the affiliates meeting and to brainstorm with you on possible HAMTE initiatives. We also had a successful IMERS conference in Indianapolis at the end of March. Our next business meeting will be on Sunday October 4, 2015, during the ICTM annual meeting in Indianapolis. As in the past, we will have a strand for HAMTE sessions and I hope many of you submit session proposals. See call for proposals in this newsletter.

It is hard to believe that Travis Miller is nearing the end of his term as Newsletter Editor; he has been doing an outstanding job. The Nominations and Elections Committee is inviting nominations to fill this HAMTE Board Member position, please consider nominating yourself or a colleague for this important job.

On another update, Jill Newton and I continue to work on a proposal for HAMTE to host the 2017 annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Please contact any of us if you are interested in serving on one of the committees and task forces we will be forming.

Finally, I hope that you will help recruit excellent elementary teachers and encourage them to submit applications for the International STEM Fellows program. We are excited about our partnership with the Chinese Education Connection to offer 10 Indiana Elementary Teachers the opportunity to improve their STEM skills traveling to China in the Fall. There are just a few days left to submit applications. If this proves to be a successful partnership, we plan to extend this program to include pre-service teachers and math education graduate students in future years.

— Enrique Galindo

Links to Newspaper Articles Mentioned

[Awkward! Education Reform Called Out at Purdue](#) By Dave Bangert

[Indiana Education Headed for Disaster](#) By Gerardo Gonzalez

**Change of Location!** ICTM's annual fall conference will move to the Sheraton Hotel at Keystone Crossing, Indianapolis, IN. **ICTM: Putting the "M" in K-12+ STEM** will be held on October 4-5, 2015.

## Call for Nominations: HAMTE Newsletter Editor

It is once again time to consider nominating yourself or another for a HAMTE office. We applaud Travis Miller for his dedicated service as **Newsletter Editor**. The end of his three-year term marks the opportunity for you to nominate or self-nominate for that position. Any Regular member in good standing may be self-nominated and any Regular, Student, or Emeritus member in good standing may be suggested for nomination by another member of HAMTE. Please consider yourself and others then send nominations to Nancy Schoolcraft Fulaytar ([nkschool@indiana.edu](mailto:nkschool@indiana.edu)) or Rick Hudson ([rhudson@usi.edu](mailto:rhudson@usi.edu)) by **July 20, 2015**. The election will take place by ballot prior to the annual business meeting.

## Call for Nominations: ICTM Board

The Indiana Council of Teachers of Mathematics (ICTM) Board of Directors 2015 fall election includes the following four positions: Middle School North, College South, Elementary South, and High School Central. Each position is a three-year term. The Board meets about four times a year (quarterly) in Indianapolis. Board members also serve on sub-committees that involve a time commitment in addition to the regular board meetings.

If you are interested in serving on this Board, please complete and submit the [ICTM Board of Directors application](#) by **August 3, 2015**. Directions for submitting your application are at the bottom of the application form. If you have any questions, feel free to contact Jane Mahan at [jane.mahan@evsc.k12.in.us](mailto:jane.mahan@evsc.k12.in.us).

## Symposium Honoring Dr. Carol E. Malloy

In honor of her lifetime work, the University of North Carolina is sponsoring a Symposium in Honor of the Legacy of Carol E. Malloy on October 10, 2015.

Receiving the National Council of Teachers of Mathematics Lifetime Achievement Award in 2013, Dr. Malloy was “a voice and a leader in mathematics education throughout her groundbreaking career. For more than four decades, the mathematics education community has felt her strong presence as a role model and an exemplar of the power of sincerity, grace, persistence, and action.... Not only did she provide a strong foundation in mathematics education to her students, but she also emphasized the role of mathematics education for addressing inequities in education.” (<http://www.nctm.org/Grants-and-Awards/Lifetime-Achievement-Award/Carol-E-Malloy/>)

Learn more about the Symposium and submit a proposal for a panel session or individual paper to the online submission system by **July 1, 2015** at <http://itech.web.unc.edu/malloy-proposals/>

To learn more about Dr. Malloy’s life and legacy:

- [http://soe.unc.edu/news\\_events/faculty\\_news/2015/012015-malloy-obit.php](http://soe.unc.edu/news_events/faculty_news/2015/012015-malloy-obit.php)
- <http://bannekermath.org/wordpress/wp-content/uploads/2014/05/carol-malloy-bio.pdf>

Direct questions to Crystal Morton, member of the planning committee, at [cranhill@iupui.edu](mailto:cranhill@iupui.edu).

Previous issues of  
HAMTE Crossroads  
are available  
on our website  
[www.HAMTE.org](http://www.HAMTE.org).

# Submit Proposals for HAMTE Sessions at ICTM 2015

Please consider submitting a proposal for a HAMTE session during the ICTM annual meeting to take place in Indianapolis October 4 – 5, 2015. Three types of sessions can be submitted:

- Higher Education issues (HAMTE specific topic)
- HAMTE Presentation (study research, initial findings, etc.)
- HAMTE Discussion (Facilitator led discussion of a topic)

To submit a session go <http://ictm.onefireplace.org/event-1842581> and submit an ICTM speaker proposal.

The deadline for submissions is **July 15, 2015**.

## Indiana High School Diploma Survey

As part of the Indiana Career Council, the Core 40 subcommittee was established in 2014 [per IC-20-19-6-9](#) to examine the current Core 40 diploma offerings and make recommendations to the SBOE, which may include:

- Changing course requirements for the Core 40 diploma
- Changing the types of diplomas offered in Indiana
- Analysis of need in Indiana for a CTE diploma and/or CTE offerings

As a result, drafts of proposed diploma requirements to be implemented with the freshman class of 2018-2019 have been developed. Please go to <http://www.doe.in.gov/ccr/indiana-high-school-diploma-survey> to review the drafts and provide feedback.

## STEM Fellowships to China

Please invite excellent elementary school teachers to apply for this fellowship. Recipients will earn the opportunity to travel to China this fall with the International STEM Fellows program. This \$4,500 trip is available to qualified candidates for less than \$800. Trip dates have not been determined but will be within the last three weeks of October, 2015. Ten elementary teachers from Indiana will be selected. Application Deadline: June 15, 2015. For more information or for application forms please contact Enrique Galindo at [egalindo@indiana.edu](mailto:egalindo@indiana.edu).

## Connect with HAMTE!

Join us on IDOE's Learning Connections: <https://learningconnection.doe.in.gov> (Hoosier Association of Mathematics Teacher Educators Community)

Visit our website: [www.hamte.org](http://www.hamte.org)

Submit an article to the newsletter, *HAMTE Crossroads*. E-mail your submission to Travis K. Miller, Newsletter Editor, at [tmiller@uindy.edu](mailto:tmiller@uindy.edu). We publish in September, January and May.

Become a member! Send a completed membership form and \$20 (\$10 for students and emeritus faculty) to HAMTE Treasurer Rachael Kenney, 150 N. University St., West Lafayette, IN 47907. The membership year runs October 15 through October 15 (to coincide with our annual fall meeting).



*HAMTE members pose after the affiliate breakfast on February 14 at AMTE 2015 in Orlando.*

## Report from AMTE EMS Research Conference

Lauren Rapacki, Indiana University, and Sheryl Stump, Ball State University, participated in the AMTE Elementary Mathematics Specialist Research Conference, May 18-19, 2015, sponsored by the Brookhill Institute of Mathematics, in Waukesha, Wisconsin.

The conference included three plenary speakers. Francis (Skip) Fennell, director of the Elementary Mathematics Specialist and Teacher Leaders project at McDaniel College, provided an historical perspective on EMS professionals. Margret Hjalmarson, an NSF program director from George Mason University, discussed NSF funding opportunities. Chandra Lewis from RMC Research Corporation-Portland, presented strategies for developing rigorous evaluation of EMS programs.

In addition, 15 teams of participants presented 10-minute “research bursts” that addressed a variety of topics related to EMS. Lauren and Sheryl’s presentation, “The Trajectory of Elementary Math Specialists in Indiana,” focused on Lauren’s action research on her own experience as a mathematics coach and her parallel case study of two different EMS models, as well as Sheryl’s use of the NCSM Prime Leadership Framework in a mathematics teacher leadership course.

Problems-of-practice working sessions at the conference focused on high-leverage EMS/coaching practices; EMS research models, frameworks, and tools; and future EMS collaborations.

The HAMTE EMS task force hopes to meet this summer to discuss ideas emerging from this conference and plans for moving forward in Indiana.

## ICTM Opportunities

**Free Membership.** In celebration of its 50th year, ICTM is offering free membership through September 30, 2015. Visit [www.indianamath.org](http://www.indianamath.org).

**Professional Development.** ICTM will have regional professional development opportunities for math teachers on June 22, 24, and 25. If you are interested in assisting, contact Tammy Williams [twilliams@greensburg.k12.in.us](mailto:twilliams@greensburg.k12.in.us).

## Campus Updates across Indiana...

### Ball State University

*New IDOE Partnerships.* Two mathematics educators from Ball State University will be launching new three-year partnerships this summer through the Indiana Department of Education *Math Science Partnership* grant program. **Kay Roebuck** will partner with MSD of Washington Township. Their partnership, “Putting the STEAM into STEM,” will engage teachers in grades K-2. Goals are to increase teachers’ content knowledge, strengthen instructional practices, build capacity to design STEM/STEAM units of inquiry that are in alignment with the Indiana Academic Standards, and close the achievement gap all while improving student achievement scores for all students. **Sheryl Stump** will partner with Warsaw Community Schools. “Mathematics: The Language of STEM” will engage elementary and middle school teachers. Participants will: (1) improve their knowledge of mathematics content and make connections between STEM content areas, (2) create and implement rich and relevant problem-based tasks and lessons to engage students in *doing* mathematics, (3) acquire and apply technology skills to improve student learning in mathematics, and (4) acquire and apply strategies to empower English language learners in mathematics and increase their interest/participation in STEM courses.

### Indiana University-Bloomington

*Teaching Award Recipients.* **Dionne Cross** and **Amy Hackenberg** were recognized for their outstanding teaching with the Trustees’ Teaching Award. Each spring Trustees’ Teaching Awards are made to honor outstanding teaching during the previous academic year. Winners for the School of Education are chosen by an ad hoc committee appointed by the School’s Faculty Development Committee.

*Project Update.* The GREEN STEM MAPP project continues working with teachers in grades 4<sup>th</sup> to 12<sup>th</sup> from five school corporations in Greene County. The project focuses on STEM Education, Project Based Learning, and Professional Learning Communities. The professional development team led by **Enrique Galindo** includes math educators from IU Bloomington, IUPUI, and the University of Indianapolis, as well as mathematicians, and science educators from IU Bloomington. The second annual week of professional development will take place June 8<sup>th</sup> to June 12<sup>th</sup>, 2015.

*Project Update.* **Amy Hackenberg** and her team of graduate students continue to work on project IDR<sup>2</sup>eAM, <http://www.indiana.edu/~idream/>. IDR<sup>2</sup>eAM stands for Investigating Differentiated Instruction and Relationships between Rational Number Knowledge and Algebraic Reasoning in Middle School and is NSF funded. This summer the project will initiate a year-long Teacher Study Group (TSG) for project members and classroom teachers to learn together about the nature of differentiating mathematics instruction for middle school students and for teachers to experiment with differentiating instruction in their classrooms. TSG will kick off with a 3-day workshop in July, followed by monthly meetings during the school year and a 1-day workshop in June 2016. Eighteen middle school mathematics teachers are participating from Bloomington, Ellettsville, Indianapolis, and Hammond.

### University of Indianapolis

*Department Chair.* **Travis Miller** has been named chair of the Department of Mathematics & Computer Science effective August 2015.

*NCTM Representative.* **Jean Lee** is representing Indiana on the NCTM Affiliate Services Committee as the Central 1 region representative. She is replacing Janet Herrelko from Dayton, OH, who served for the past three years.

## New AMTE Website Bulletin Board

Members are encouraged to contribute to the new AMTE [Bulletin Board](#) by sharing events, resources, and opportunities of interest for colleagues. The AMTE Bulletin board is a place for AMTE members to share information about professional development opportunities or mathematics education projects (e.g., events, calls for participation in other professional organizations, resources). Posts are ordered by submission date (most recent first).