

# Illinois Council of Teachers of Mathematics BULLETIN Serving Teachers of Mathematics and Computer Science

February 2014

Vol. XXXV, Issue 1

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**Mission:** Illinois Council of Teachers of Mathematics is a community of PreK through Post-graduate (PreK–20) educators promoting equitable, high quality mathematics teaching and learning through leadership, collaboration, advocacy and professional development.

Vision: The Illinois Council of Teachers of Mathematics is the state leader in mathematics education. ICTM is committed to sound pedagogy, teacher collaboration, and professional development, ensuring student achievement through engagement in meaningful and rigorous instruction. As a respected leader in mathematics education at the school, district, state, and national levels, ICTM serves as a collaborative partner to promote the achievement of every student.



## President's Message February 2014 by Robert Mann, ICTM President

Hello Math Fans and Welcome to 2014,

I often give my students the following instructions "Share and Compare, Confer and Concur". Though at first it generates strange looks and provoking questions such as "huh?", the students soon learn that it means that they

should compare their homework, their solutions, maybe even their assessment answers with their neighbors, discuss them, and, as a pair or small group, reach a unified agreement or conclusion. Overall, this process allows them to talk about mathematics, to justify their work, and to critique and analyze the reasoning of others.

In this issue, I want to encourage you to also "Share and Compare, Confer and Concur", but this time within the context of ICTM membership and opportunities. The 64<sup>th</sup> Annual Meeting and **Confer**ence will be Friday, October 17<sup>th</sup> and Saturday, October 18<sup>th</sup> at the Tinley Park Convention Center. This event will provide remarkable opportunities to meet with other teachers of mathematics and to share ideas, compare techniques, discuss standards and expectations, and possibly even reach agreements on how to improve the teaching and learning of mathematics. The 2014 **Confer**ence will feature Dan Meyer as an opening and keynote speaker and it will be held in a new location with a new format.

ICTM is excited about this professional opportunity and I encourage you to click on the annual meeting link at **www.ictm.org** to learn more about this event and to register. You can also find more information about this event in this bulletin. The deadline for speaker proposals is this month so I also encourage you to submit a proposal and to share and compare your tasks, strategies, thoughts, and classroom success stories with your colleagues. Networking is an important part of teaching and, even if concurrence is not achieved, it is professionally valuable to **confer** on educational matters and to share and compare instructional goals and practices. The energetic and dynamic environment of the 2014 Annual Meeting and Conference should be the perfect setting for tasks and talks, information and education, and ideas and insights.

So, if you have not attended the ICTM **Conference** for a while, make sure to register soon and attend this year. If you have never presented at the **conference**, submit a proposal form and make 2014 your year to share and compare. If you have attended and presented in the past, make it a point to encourage your colleagues to attend or present at this year's event and spread the word about this outstanding professional development opportunity.

Meanwhile, make sure to look at the ICTM webpage for links to our affiliates who are also hosting **confer**ences soon with many scheduled in February, March, or April. ICTM prides itself on providing its members with opportunities to connect and **confer**, and I hope you all have the chance to attend our regional **confer**ences as well as our Annual Meeting and **Confer**ence in Tinley Park on October 17 and 18. Contact your administrators, send in your proposals, register, and plan now to share, compare, **confer**, and concur.

I look forward to seeing you there!

# Past President's Message



by Don Porzio ICTM Past President

Thought I'd take the opportunity in this message to give everyone an update on the ISBE Model Math Curriculum Committee's work. The work of this committee can be found at http://www. livebinders.com/play/play?id=953710. Here, you can find a scope and sequence for grades K-8, Math 1, Math 2, and Math 3. In addition, Unit

Maps, assessments, and at least one sample lesson have been posted for the first two units at each grade level. Some grade levels have these materials completed for more units, but all grade levels have them for the first two. Additional materials are posted on a regular basis, once they have gone through an external review process. Please take a look at what the committee has posted here. You may find the sample lessons and assessments useful for your own classes, or they may get you thinking about ways that you can adapt lessons and assessments that you are already using to better fit The New Illinois Learning Standards Incorporating the Common Core.

Speaking of assessments, don't forget to watch for sample assessment materials that are continually being added at the PARCC web site (http://www.parcconline.org/samples/math). For that matter, consider looking at the sample assessment materials posted by the Smarter Balanced Assessment Consortium (packaged nicely at http:// www.dese.mo.gov/divimprove/assess/sbac.html#sbacsample). Those these materials are not aligned specifically to the PARCC assessments, they are aligned to the Common Core and, as such, make for good resource materials.

Donald Porzio dporzio@imsa.edu

### Get updates at our **CONFERENCE CORNER** on p. 6!

Learn more about our featured Keynote presenter for the 2014 Pre-Conference and Annual Meeting,

**Dan Meyer!** 

Find out why Dan Meyer has been recognized as one of Tech & Learning's 30 Leaders of the Future and an Apple Distinguished Educator. Visit Dan on the web at http://mrmeyer.com/, and follow his blog at http://blog.mrmeyer.com/





# Board Chair Report by Kara Leaman, ICTM Board Chair

At the November 2, 2013 meeting, the ICTM Board welcomed guest Bob Williams, who will be co-chairing the 2014 ICTM Conference at the Tinley Park Convention Center in the greater Chicago area, along with David Wartowski. Plans for a new format for the 2014 conference include a half-day pre-

conference on Friday, October 17th, followed by a one and a half day conference through Saturday, October 18th. It was voted and approved to continue the Awards Reception and Games Night on Friday evening. The Board looks forward to Dan Meyer as a featured pre-conference and opening session speaker. The site of the 2015 ICTM Annual Conference will again be Tinley Park, with 2016 either Tinley Park or Peoria, to be determined in 2014.

The Board voted and approved sponsorship for a summit on Mathematics Teacher Education, March 1st, 2014, at Lincolnland Community College in Springfield. Math educators representing colleges, universities, and community colleges will convene to discuss changes in math teaching education programs with implementation of the Illinois State Board of Education's (ISBE) new Standards for Endorsements in Elementary Education and new Standards for Endorsements in the Middle Grades.

It was reported that ICTM recently received a check from NCTM Member Services for ICTM members who either joined or renewed membership in NCTM. This served as a reminder that when completing the NCTM membership application, a portion of the fee goes to ICTM if, on the membership form, the person denotes ICTM in the section titled "Affiliate Rebate." There is no additional cost to the member for this.

Much discussion ensued in the afternoon about continued progress with the ICTM website. Ideas for future growth were explored and developed.

The next Board meeting will be electronic and is scheduled for February 15, 2014.

# **ICTM List Serve Update**

## Do you receive e-mails from the ICTM List Serve?

If you answered no, then consider subscribing today. Subscription to the List Serve is a benefit of your ICTM membership. E-mails sent through the List Serve often give information about upcoming conferences, details about professional development opportunities, information about ICTM awards and scholarships, links to math related websites and news articles, and questions/announcements from other math teachers around the state. All subscribers to the List Serve can send out messages to the recipient list. To sign up, visit www.ictm.org and sign-in using the member login on the left side of the homepage. You can create a new account if needed using your ICTM member number. Once logged in, select 'List Serve' under the Membership tab. Here you will find simple directions about subscribing and how to send messages. Subscribe today!

# **MATHEMATICS MENTORS**

## RECENT LOSSES TO THE ICTM COMMUNITY



## *Charles E. "Chuck" Schulz* 1931–2013

Charles E. (Chuck) Schulz passed away Dec. 8, 2013 at the age of 82. Chuck was a math teacher and track coach at New Trier High School and was ICTM President from 1956-57. He received the T.E. Rine award for outstanding high school teaching in 1968 and the Distinguished Life Achievement Award in 1998. Chuck started the ICTM scholarship fund to honor college juniors and seniors, and he was the scholarship chair from 1989 to 1997. He was very passionate about the scholarship and was extremely effective in raising money by encouraging board members to donate to the scholarship fund and collecting money during the ICTM annual meeting. His passion for supporting future math teachers was apparent in his introductions to the scholarship awardees during the awards ceremony each year at the annual banquet. In the first year of the scholarship, ICTM gave out one award as that was what had been funded. Chuck raised enough money the following year to allow the board to honor two awardees. Though he has been away from the classroom for quite a few years, Chuck Schulz's legacy continues to advance mathematics and mathematics education in Illinois.



## Paul Sally, Jr.► 1933–2013

Paul Sally, Jr., a mathematics professor at the University of Chicago and an extraordinary contributor to math education in Illinois, passed away on December 30<sup>th</sup> at the age of 80. This sad occurrence brought an end to a remarkable career. Dr. Sally received the ICTM Distinguished Life Achievement Award in 2012.

Dr. Sally was known for teaching a course that he called "the hardest math course you will ever take." He was the quintessential outstanding mathematics professor, loved and revered by his students for introducing them to mathematics in a manner that would stay with them for life.

Dr. Sally was personally and professionally committed to improving mathematics education at every level. In addition to his university work at the undergraduate and graduate levels, he directed the Young Scholars Program at the university for students in grades 7–12. Dr. Sally was the first director of the University of Chicago Mathematics Project.



He was also an educator of educators. Dr. Sally was directly involved with the university's UTEP program for preparing elementary and high school teachers. He was also devoted to improving mathematics education in the Chicago Public Schools and was instrumental in the creation of the SESAME program, a program to prepare middle-school teachers both for mathematics endorsement and to teach a high-quality algebra course. He told those and all others with whom he came into contact: "If you are going to teach mathematics, you'd better know some," and he made it his mission to help considerable numbers of teachers "know some." Dr. Paul Sally will be deeply missed.

# **ISBE Model Math Lesson, Grade 2**

The ISBE Model Mathematics Curriculum is a project to create curriculum and assessment resources for implementing the New Illinois Learning Standards for Mathematics. These resources include scope-and-sequences, unit maps, assessments and model lessons for Kindergarten–Grade 8 and for High School Integrated Mathematics Courses 1, 2, and 3. ISBE is funding this project to support districts in their transition and to help districts prepare students for the upcoming PARCC Assessments. Therefore, all of the tools are created based upon latest information from PARCC.

The Development Team consists of 36 educators from throughout the state of Illinois. They meet bi-monthly in Springfield for a 3-day weekend and put in countless hours in between meetings to develop these tools for their colleagues throughout the state. These documents are peer reviewed during these meetings and then externally reviewed by over 300 other Illinois educators. In addition, there are several pilot teachers utilizing these resources, providing feedback and collecting student work samples that will be shared with the public. This link is to a model lesson for Grade 2, written in the ISBE Lesson Plan template for ICTM Members. [http://www.ictm.org/bulletin/2digitAdd SubOnNumberLine.pdf] The template is intended for multi-day lessons, guiding the development of student skills and understandings through multiple exposures. Some of the features of this lesson plan include:

- Essential questions that align to the Unit Map
- The inclusion of Mathematical Practices for the overall lesson and "Look Fors" in each segment to help guide teachers in observing students engagement in these practice standards
- An explanation of the levels of rigor intended to be addressed through the course of the multi-day lesson
- Approximate time frames for the overall lesson and each segment
- Assessments and vocabulary to be used during the lesson
- Step-by-step directions for activities
- Resources that accompany the lesson plan explanation
- Space for teachers to reflect upon the suggested activities and resources within the lesson
- Suggestions for differentiation for remediation, enrichment and English Language Learners

To access the other resources being developed for this project, you can use the following link: http://www.livebinders.com/play/play?id=953710

If you'd like to become involved in this project as a reviewer or pilot teacher, you can contact Jennie Winters, ICTM EC-6 Director, at jwinters@lake.k12.il.us.

I.C.T.M. Bulletin February 2014: Submitted by Jennie Winters, ICTM Director EC-6

## ILLINOIS COUNCIL OF TEACHERS OF MATHEMATICS SCHOLARSHIPS IN MATHEMATICS EDUCATION

A minimum of 2 and a maximum of 5 awards of **\$1500** will be granted to help defray educational expenses of the recipients. To be eligible, a student must:

- 1. Be enrolled in an accredited university or college in Illinois during Spring 2014.
- 2. Have junior or senior status as of Spring 2014 with graduation during May 2014 or later and must be working on his/her first bachelor's degree.
- 3. Be a mathematics education major, a mathematics major with an education minor, or an education major with an official mathematics emphasis.
- 4. Have a total overall GPA of at least 3.00 from all colleges attended (based on 4.00).
- 5. Submit the following:
  - A. A completed ICTM scholarship application form.
  - B. Transcripts from ALL COLLEGES ATTENDED (these may be student copies).
  - C. Letters of recommendation from two mathematics teachers, high school or college. These letters must state the capacity in which the writer knew the applicant and address his/her potential as a mathematics teacher.
  - D. Two 200-300 word essays as requested below.
  - E. A complete lesson planning form which is attached.

The ILLINOIS COUNCIL OF TEACHERS OF MATHEMATICS will present its twenty-third annual Scholarships in Mathematics Education at the ICTM Annual Meeting in Tinley Park on October 17-18, 2014.

Students can request application forms from their mathematics education department, download the application at http://ictm.org/ scholarship.html, or write to:

> Sue and Randy Pippen ICTM Scholarship 24807 Winterberry Lane Plainfield, IL 60585

Please enclose a self-addressed stamped business envelope with your request for application forms.

The completed application must be received by mail or email. They must be postmarked on or before March 6, 2014. The recipients of the scholarship awards will be announced in June 2014 and awarded at the ICTM Conference reception on October 17 in Tinley Park.

## **DO YOU KNOW A DESERVING MATH TEACHER?**

## NOMINATE THEM FOR ONE OF THESE ICTM AWARDS:

- Elementary Mathematics Teaching Award
- Middle School Mathematics Teaching Award
- T.E. Rine Secondary Mathematics Teaching Award
- Post-Secondary Mathematics Teaching Award
- Max Beberman Mathematics Educator Award
- Lee Yunker Mathematics Leadership Award
- Distinguished Life Achievement in Mathematics Award
- Illinois Promising New Teacher of Mathematics Award
- Fred Flener Award: Engaging Students in Mathematics Beyond the Classroom

### NOMINEE REQUIREMENTS

Each nominee must:

- Be a member of ICTM
- Have a minimum of five years' experience in mathematics education in Illinois (except for Promising New Teacher)
- Participate in professional activities
- Represent the profession with enthusiasm to students, teachers, parents, and other key stakeholders
- Provide leadership for and influence others toward mathematics education
- Show continued growth as a mathematics teacher
- Have not received an ICTM award in the past for an identical teaching assignment (except for the Distinguished Life Achievement Award)

### NOMINATION PROCESS

The nominee must be a current member of ICTM. If you think someone deserves the award and

- that person is not a member yet, make sure the person becomes a member. You may nominate a colleague or yourself.
- 1. Fill out the Application form available at http://ictm.org/ictmawards/.
- 2. Attach a current resume for the nominee that includes (but is not limited to) Educational History, Employment History, Professional Organization Memberships, Publications, Workshop/Conference Presentations.
- 3. Attach a narrative of between one and two pages in length, which describes the nominee's qualifications, and contributions to the improvement of mathematics education in Illinois. Include professional activities, offices held, and committee activities; be as specific as possible.
- 4. Find at least two individuals who agree to write additional Letters of Support. These letters should establish the nominee's qualifications and contributions to the improvement of mathematics education in Illinois. Specific examples should be given whenever possible. The letter writers can be educators, parents, students or anyone else familiar with the person's special contributions.
- 5. Please attach the names and email addresses of the people who are writing letters of support.
- 6. Check to make sure that the letters of support are sent. You may arrange to collect them yourself and send them all in one packet or ask the individuals to send the letters directly to me.
- 7. Make sure all of the above arrive by the midnight March 31, 2014.

Send applications to John Benson. Please e-mail PDF attachments or Word documents as attachments, to j-benson2@comcast.net.

If you are more comfortable with paper mail, you can send the documents to

John Benson 715 South Boulevard Evanston IL 60202-2907

You will be notified that your documents have been received and that your application is complete.

# **CONFERENCE CORNER**

Watch for updates and exciting information about the next ICTM Pre-Conference and Annual Meeting.

ICTM 2014 Pre-Conference and Annual Meeting:

# **Unprecedented Changes:** Remarkable Opportunities

#### October 17–18, 2014 Tinley Park Convention Center Tinley Park, IL

- Featured Speaker: Dan Meyer!
- Earlybird registration: register early to save money!
- **Convenient access** from Interstates 55, 57 & 80, and for bus, train and air travelers!
- **Two-day schedule**: Friday morning Pre-Conference; Annual Meeting proceedings Friday afternoon through Saturday afternoon!
- All-inclusive location no trekking between buildings for events!
- Free Parking!!!
- Free wifi access throughout the conference facility!
- Convenient access to nearby restaurants & shopping!

### Deadline to submit proposals is February 22, 2014!

Don't miss your opportunity to submit a proposal to present a 60-minute talk or a 90-minute workshop at the Annual Meeting. To submit your proposal, visit **http://www.ictm.org/SpeakerProposal.htm** 

**The anticipation is already growing!** Our featured keynote presenter, Dan Meyer, is generating lots of excitement about the upcoming event. We're accepting presentation proposals for just a few more weeks, so don't delay—apply today to be a presenter at a benchmark event for math educators featuring one of the nation's biggest Math Ed celebrities.

Southland Convention & Visitors Bureau and the Village of Tinley Park are rolling out the red carpet for ICTM, and we're looking forward to big changes for this year's event! If you're hesitant about visiting Tinley Park, we think you'll be surprised at all the amazing entertainment opportunities the area offers, and the convenience of traveling to Tinley Park. Visit http://www.visitchicagosouthland.com/ and http://www.visittinleypark.com/ to start planning your visit.

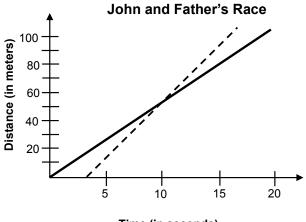


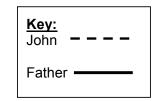
The Swimmer Lesson is designed for use within a unit on linear functions for an Algebra 1 class. The purpose of the lesson is to engage students as they reason and make sense about motion graphs. The graphs and questions are designed to push student understanding around common misconceptions in interpreting motion graphs. The lesson is typically used with students in pairs or groups with a whole class facilitation highlighting key ideas and misconceptions.

#### Unit 3 learning target #1 -

I can create and interpret motion graphs.

1. John and his father participate in a 100-meter race. Use the graph to answer each question.

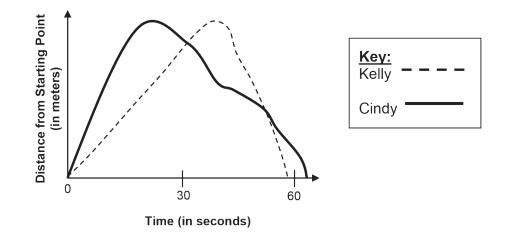




Time (in seconds)

- a) One person had a 4-second head start. Who was it? How do you know?
- b) Who was leading the race after 8 seconds? How do you know?
- c) Who was leading the race after 15 seconds? How do you know?
- d) How long did John run before he caught up to his father?
- e) Who won the race? How do you know?

2. Kelly and Cindy compete in a swimming race. Use the graph to answer each question.



- a) Who won the race? How do you know?
- b) Who was swimming faster when the race first began?
- c) After 30 seconds, Cindy and Kelly were the same distance from the starting point. Were they tied at this point? Explain.
- d) Did Cindy swim faster in the first half of the race or the second half of the race? How do you know?



#### Attention colleges and universities:

If you offer summer programs that you would like to publicize in the ICTM Bulletin, please send an advertisement to Craig Cullen cjculle@ilstu.edu.

# Illinois Mathematics Teacher Journal



## call for articles

The editors invite submissions from both new and experienced authors, and accept articles on a range of topics, including:

- innovative classroom activities and lessons
- applications to the classroom of pedagogical research and best practices
- examples of implementing standards
- reviews of recent books on pedagogy
- any other articles that will support the professional development of ICTM members

Please send submissions to imt@ictm.org.



# NCTM Reminder:

Help your professional organizations support each other! When renewing your *National Council of Teachers of Mathematics* Membership online, don't forget to checkmark the *Affilate Rebate* box and designate ICTM as your affiliate organization. NCTM's Affiliate Rebate program provides a per-member rebate to ICTM based on this feedback. Your attention to this detail helps provide support for your local professional organization.

# PLAN NOW:

PRESENT OR ATTEND YOUR LOCAL ICTM REGIONAL CONFERENCE

Presentation proposals are still being accepted for all these events:

# SIU-CARBONDALE

Thursday, February 20, 2014 For more information, contact jbecker@siu.edu or cylin@siu.edu

# WIU-MACOMB

Friday, March 21, 2014

For more information, contact **d-lafountain@wiu.edu** www.wiu.edu/cas/math/

## **EIU-CHARLESTON**

Tuesday, April 8, 2014

For more information, contact **amwhite@eiu.edu** www.eiu.edu/adulted/mathconf.php

In 1991 the Math Energy Club was established at Eastern Illinois University. In the fall of 1992, Math Energy became an affiliate group of Illinois Council of Teachers of Mathematics (ICTM) and received our affiliate group charter from the National Council of Teachers of Mathematics (NCTM) at the 1994 NCTM meeting at Indianapolis.

**Math Energy** is a pre-service teacher organization which meets monthly to give members the opportunity to attend presentations by various professionals speaking on math related topics in the field of education. Math Energy focuses on a hands-on approach to teaching math. All grade and ability levels are explored at our meetings.

Monthly meetings will be scheduled for Spring Semester. More information can be found on the Math Energy website: http://mathenergy.wordpress.com

## Your ICTM Board Representatives

Robert Mann (2012–15)	<b>Ann Hanson</b>	Craig Cullen (2013–16)	<b>Daniel Greenfield</b> (2013–16)
President	Executive Director	Director, University/	Director 5-8
Western Illinois University	Columbia College	Community College	Eberhart Elementary School
<b>Don Porzio</b> (2010–13)	<b>Jackie Murawska</b> (2013–16)	Illinois State University	Anita Reid (2011–14)
Past President	Director-at-Large	Marshall Lassak (2011–14)	Director 5–8
IMSA	North Central College	Director, University/	Lewistown Central High School
Lannette Jennings (2012–13)	Adam Poetzel (2012–15)	Community College	Polly Hill (2011–14)
Secretary	Director-at-Large	Eastern Illinois University	Director EC–6
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High School Rich Wyllie	<b>Gwen Zimmermann</b> (2011–14)	Director 9–12	Jennie Winters (2012–15)
	Director-at-Large	New Trier High School	Director EC–6
Treasurer Retired	Adlai E. Stevenson High School	Kara Leaman(2012–15)Board Chair/Director 9–12Unity High School	Lake County ROE

Please contact any of the following ICTM board members if you have any questions or concerns:

President Robert Mann Mathematics Dept. Western Illinois University Macomb, IL 61455-1390 rr-mann@wiu.edu Board Chair Kara Leaman 613 CR 1500E Tolono, IL 61880 idomath@comcast.net

#### Executive Director Ann Hanson Science/Math Dept. Columbia College 600 S. Michigan Chicago, IL 60605 ahanson@colum.edu

	Editors-in-Chief:	Keely Burns Jenny Wexler
	Directors:	Anita Reid/Martin Funk
	Submissions from:	
	Reports:	John Benson Kara Leaman Robert Mann Randy & Sue Pippen Don Porzio
	Activities:	Jennie Winters Gwen Zimmermann
	Conference Info:	Bob Williams Dave Wartowski
ssue 1		astern Illinois University of Continuing Education

For ICTM Membership Services, please contact:

#### ICTM Membership

CTM Bulletin Volume XXXV

c/o School of Continuing Education Eastern Illinois University 600 Lincoln Avenue Charleston, IL 61920-3099

phone 800-446-8918 or 217-581-5116 e-mail ictm\_membership@eiu.edu

Join or Renew Online at: https://ictmservices.org

#### Why You Should Join

- Connect with other educators working to improve mathematics education.
- Contribute to mathematics education.
- Stay current about regional, state and national meetings.
- Attend conferences at reduced rates.
- Receive the *ILLINOIS MATHEMATICS TEACHER*, a journal with articles about teaching and learning mathematics at levels from kindergarten to college.
- Receive the *ICTM BULLETIN*, with classroom activities, news and information about professional development opportunities.

# **CALL FOR ARTICLES** *Can you help?*

The Illinois Mathematics Teacher is always looking for new reviewers and articles. If you would like to volunteer as a reviewer or have an article to submit, please contact the editors at **imt@ictm.org**.

We look forward to hearing from you.

#### **ICTM MEMBERSHIP APPLICATION FORM**

Clip c		s page and mail it w Member	vith your payment to		ress below.		Renewal			Change of Address
Name						Memb	per Number			
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Dues	Dues for ICTM Membership:									
Regular memberStudent Member(This rate is reserved for full-t baccalaureate pre-service stud										
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		three year \$100			one year \$	520				
D (		five years \$160		<b>T</b> (*	, ,•	,				in the blank at the top contact teacher for the
Ketir	ed Me	one year \$30			tutional Me one year \$		institutional membership. Please make sure			

If recruited as a new member by a current member, please list the recruiter's name

Mail this application and a check or money order payable to: EASTERN ILLINOIS UNIVERSITY

)10	ICTM Membership
3	School of Continuing Education
AR	Eastern Illinois University
Z	600 Lincoln Avenue
0	Charleston, IL 61920-3099

ern Illinois University leston, IL 61920-3099

Total Enclosed: \$

### ICTM Spring 2014 Regional Conferences

South Central Regional - Southern Illinois University, Carbondale, IL February 20, 2014 West Central Regional - Western Illinois University, Macomb, IL March 21, 2014 East Central Regional - Eastern Illinois University, Charleston, IL

> April 8, 2014 **T**<sup>3</sup>

March 7–9, 2014

#### **NCSM Annual Conference**

New Orleans, LA April 7–9, 2014

#### NCTM 2014 Annual Meeting and Conference

New Orleans, LA April 9–12, 2014

#### **ICTM 2014 Math Contest**

University of Illinois at Urbana-Champaign May 3, 2014

### ICTM 2014 Pre-Conference & Annual Meeting

Charleston, IL 61920-3099

School of Continuing Education

c/o Eastern Illinois University

600 Lincoln Ave.

Tinley Park, IL Pre-Conference October 17, 2014 64<sup>th</sup> Annual Meeting October 17–18, 2014



