

Points & Angles

Newsletter of the Metropolitan Mathematics Club of Chicago
Volume XLVII No. 1 Sept 2017

Math and Creativity

September Speaker

Po-Shen Loh



From I-90 & Southbound I-294: Exit at I-190 West to O'Hare; Exit onto North Mannheim Rd.; Take Mannheim Rd. North 2.25 miles.

From Northbound I-294: Exit at West Touhy Ave.; Take Touhy Ave. to Mannheim Rd.; Turn right on Mannheim Rd.

Public Transit: Take the CTA Blue Line to the Rosemont Bus Terminal; Take Pace Bus #223 to Touhy Ave. & Lee Rd.; Walk East on Touhy to Mannheim Rd.

Friday, Sept. 8, 2017

5:30 PM Doors Open, 6:00 PM Social Hour
7:00 PM Dinner & Talk

Fountain Blue Banquets & Convention Center

2300 Mannheim Rd., Des Plaines
(847) 298-3636
\$43 for Members, \$49 for Nonmembers

Reserve by Noon, Monday Sept. 4

Online at www.mmcchicago.org
or by phone at (847) - 486 - 4291

Po-Shen Loh is a math enthusiast and evangelist. He is the national coach of the USA International Mathematical Olympiad team, a math professor at Carnegie Mellon University, and the founder of expii.com, an education technology startup providing a free personalized learning platform on every smartphone.

As an academic, Po-Shen has numerous distinctions, from an International Mathematical Olympiad silver medal to the National Science Foundation's CAREER award. His research considers a variety of questions that lie at the intersection of combinatorics (the study of discrete systems), probability theory, and computer science.

As an educator, he led Carnegie Mellon University's Putnam team to its first-ever #1 rank among all North American universities. His approach to coaching the national Math Olympiad team received significant press coverage after the USA's historic back-to-back #1-ranking, with victories in 2015 and 2016.

Through ExpII, Po-Shen extends his activity to the global mainstream, combining algorithms and crowdsourcing to deliver a free artificial intelligence powered tutor for the world of math and science.

Po-Shen received his undergraduate degree in mathematics from Caltech in 2004, graduating first in his class. He received a master's degree in mathematics from the University of Cambridge in 2005, where he was supported by a Winston Churchill Foundation Scholarship. He continued his studies at Princeton, where he completed his Ph.D. in mathematics at the end of 2009, and has been on the faculty at Carnegie Mellon University ever since.

Points From The Interior

By MATTHEW MORAN

I am pleased to announce another exciting year of speakers for the MMC Friday Night Dinner Meeting series. We have a great program planned starting with Po-Shen Loh on September 8th. Po-Shen is a professor of mathematics at Carnegie Mellon University, founder of expii.com, and head coach of the USA International Math Olympiad team. He will be speaking about Math and Creativity.

On October 27th we have Rico Gutstein, professor of Curriculum and Instruction at UIC, and co-founder of Teachers for Social Justice speaking about "Reading and Writing the World with Mathematics". Current Scientist in Residence at the School of the Art Institute Chicago and author, Eugenia Cheng, will be speaking on December 15th. She will give the talk, "How to Bake Pi: Making Abstract Mathematics Palatable". On January 19th, Presidential Award winner Paul J. Karafiol will give the talk, "Let Us Teach Wondering". On March 16th ICTM's Promising New Teacher of 2014, Esther Song will talk to us about "Math and Identity: How Our History Shapes Us". Rounding out the program is Zalman Usiskin's biennial talk. He will be talking about "Mathematics and Diamonds: The Many Facets of Mathematics", and will perform songs and accompany himself on the piano!

Surely these speakers and topics are reason enough to come to dinners this year, but the MMC Friday Night Dinner Meeting tradition is about so much more than just hearing a great talk by a world-class speaker. The MMC Dinners are a great opportunity meet other math educators and enthusiasts, catch-up with colleagues you haven't seen recently, engage in conversations about mathematics and math education, and eat a nice dinner.

The MMC needs your support to continue this long standing, important, tradition. Don't take this wonderful professional development opportunity for granted! I know that it can be difficult on some Friday nights to muster the energy to attend a dinner, but the community needs you there. We have a great community of mathematics educators here in the Chicago area, but it is only great if people engage in it. For the first two dinner meetings of the year, we are having Bring a Friend Night, where you can bring a colleague that has never attended an MMC Dinner to receive five dollars off your dinner, and your colleague will receive ten dollars off their dinner cost.

Have a great start to your year, and I'll see you on September 8th at the Fountain Blue.

NCTM Regional Conference & Exposition 2017 CHICAGO | NOV 29-DEC 1



Don't miss one of NCTM's must-attend events of the year!

The NCTM Chicago Regional Conference & Exposition, November 29–December 1 in Chicago, is the must-attend event for all mathematics educators. You'll have the opportunity to network with colleagues and get the latest tools and tips to improve your teaching.

This year there is more to offer than ever—dynamic presentations, numerous networking opportunities, and specialized sessions based on unique topic strands.

Don't miss the Opening Session with these inspiring speakers, who will help you unleash the mathematical minds of your students!

Moderator Danny Martin; Speakers Tyrone Howard, Elham Kazemi, Annie Perkins, Dina Williams, Rochelle Gutiérrez, and Kassia Wedekind.

For more information about the Preconference Workshop, Program and Presentations, Conference Strands and Housing and Travel, or to volunteer to help, visit www.nctm.org/chicago/

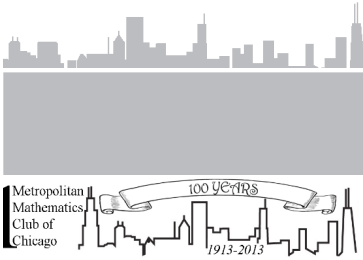
HOPE TO SEE YOU AT NCTM CHICAGO!

Save \$\$\$ when you register by September 22

**Register Today at
www.nctm.org/chicago/**



#NCTMregionals



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The MMC Conference of Workshops is back in 2018!

To repeat the excellence, WE NEED YOU TO PRESENT!!

The conference will be on Saturday, February 10th at Benet Academy in Lisle, IL.

- Workshop format: 75-minute sessions where participants are actively involved.
- Looking for speakers from all grades K – 14.
- New speakers are welcome.
- Co-presentations are encouraged.
- Various topics needed.
- Encourage other potential speakers to fill out the online speaker form.
- We'll have coffee, carbohydrates, and calculators. What else could a workshop need? You!!
- Have questions? Contact Karen, Nicolette, or Rose at nickianorris@gmail.com , karenlopez@u-46.org, rsterr@benet.org
- Fill out the speaker form online at www.mmcchicago.org between July 1st and September 30th.

Turn in your proposal at mmcchicago.org

MMC Dinner Meeting Incentive Program;

“Bring a Friend” nights

Bring someone who has never attended an MMC dinner meeting and introduce them to MMC! You will receive \$5 off your dinner cost, and your guest will receive \$10 off their dinner cost. This incentive is good for the following meetings:

September 8 (Po-Shen Loh)

October 27 (Rico Gutstein)

Please be sure to register both you and your guest using the reservations link on the website.

NAME		PREFERRED CONTACT Check one: <input type="checkbox"/> Home <input type="checkbox"/> Work	
HOME ADDRESS			
CITY	STATE	ZIP	
HOME PHONE	HOME E-MAIL		
EMPLOYER			
WORK ADDRESS			
CITY	STATE	ZIP	
WORK PHONE	WORK E-MAIL		
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FORM USE Check one:	<input type="checkbox"/> New Membership	<input type="checkbox"/> Renewal	
	<input type="checkbox"/> Former Member	<input type="checkbox"/> Change of Address	
MEMBERSHIP COST		\$	
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SPEAKER FUND		\$	
TOTAL AMOUNT OF CHECK		\$	

Make check payable to MMC

MMC Membership and Change of Address Form

Mail completed form and check to:

MMC
7339 W. Ibsen St.
Chicago, IL 60631

Upcoming Events

Fri., Sept. 8	Po-Shen Loh	Math and Creativity
Fri., Oct. 27	Rico Gutstein	Reading and Writing the World with Mathematics
Fri., Dec. 15	Eugenia Cheng	How to Bake Pi: Making Abstract Mathematics Palatable
Fri., Jan. 19	Paul J. Karafiol	Let Us Teach Wondering
Sat., Feb 10	MMC Conference Of Workshops -	Benet Academy Lisle, IL
Fri., Mar. 16	Esther Song	Math and Identity: How Our History Shapes Us
Fri., May 11	Zalman Usiskin	Mathematics and Diamonds: The Many Facets of Mathematics

Index

- 1 September Meeting Info
- 2 Points From The Interior
- 3 NCTM Flyer
- 4 MMC Conference Of Workshops Flyer
- 5 MMC Dinner Discount
- 5 Change Of Address Form
- 6 Upcoming Events

Insert: 2017-2018 MMC Program

Send upcoming event items to jharding@d120.org no later than the date of the MMC dinner meeting preceding the issue in which the item should appear. All items are subject to editing.

Your membership renewal date appears in the upper right corner of the label.

MAILING LABEL

STAMP

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