

The Math ConneXion

NEWSLETTER OF THE ILLINOIS MATHEMATICS ASSOCIATION OF COMMUNITY COLLEGES

<http://www.imacc.org>

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President's Message

It is mid-semester, the leaves are turning, and IMACC held its fall board meeting at Parkland College on October 5. Several items were on the agenda for the meeting. The board voted to retain the same fee schedule as this year for the annual conference.

The 2014 Annual conference is scheduled for April 3 – 5 at Allerton House in Monticello. The conference program is beginning to take shape and two national speakers have graciously agreed to give general sessions. Alan Tussy from Citrus College in Glendora, CA will give the opening session describing the "Eureka Experience". He gave a similar presentation at AMATYC in Jacksonville, FL last year and will present again at AMATYC in Anaheim, CA this year. He is a coauthor of several prealgebra and algebra textbooks. One of his current coauthors is ConneXion editor, Diane Koenig.

Paul Zorn from St. Olaf College in Northfield, MN will give two presentations. One is entitled "Extreme Calculus" and the second is "Revisiting Familiar Places: What I Learned at the (Mathematics) Magazine". I saw him present the former at AMATYC in Jacksonville last year and found it quite enjoyable and insightful. He is the Past President of MAA and the coauthor of a calculus reform textbook.

There will also be a wide variety of breakout sessions which will include discussions on calculus, GeoGebra, developmental mathematics, classroom management, statistics, common core and PARCC, teacher education, and the new PMGE course. There are still some open timeslots. If you are interested in giving a presentation, please send your proposal to oadawi@parkland.edu by December 1.

Several members have not renewed their membership. Please renew soon and encourage your colleagues and institutions to become IMACC members. Individual and

Deadline for Submissions:

Winter 2014-January 15
Summer 2014-April 15
Fall 2014-October 15

Submit items to:
Diane Koenig, Editor
The Math ConneXion
d.koenig@rockvalleycollege.edu

Online Math ConneXion

The online version can be found at
<http://www.imacc.org>

Is Your Membership Current?

Be sure to check the membership expiration date listed on the IMACC website. If your membership has expired or is about to expire, you can use the form on page 10 to renew. In addition, if there are mathematics faculty at your college who are not members of IMACC, please invite them to join. Please take time to also check the Institutional Membership for your school.

(President's Message continued)

institutional forms are available in this newsletter and at <http://www.imacc.org>.

In Spring 2014, IMACC will hold its election by electronic ballot. If your email address has changed, please notify Steve Kifowit at SKifowit@prairiestate.edu. If you are interested in running for a position on the board of directors please contact Connie McLean at Mcleanc@bhc.edu by, November 15.

Keven Hansen and the curriculum committee have been very busy. They are currently revising the curriculum guide to include the new PMGE course. They are also teaming up with other organizations to plan a conference in February 2014 to address the proposed changes in the elementary teacher education curriculum.

Please consider nominating a deserving student for the IMACC Memorial Fund Scholarship. The deadline is March 1 and more information may be found at <http://www.imacc.org/memfund.html>. Please also consider nominating a colleague for the James Armstrong Award or the Distinguished Service Award, and if someone at your college is retiring, check if they meet the qualifications for the Life Membership Award and forward their information to the awards committee chair if they do. The deadline is March 1 and more information may be found on the IMACC website.

I look forward to seeing some of you at AMATYC in Anaheim and all of you at Allerton in April. The conference date this year coincides with UIUC's Mom's Day weekend so make your hotel reservations early if you do not plan to stay at Allerton for the IMACC conference.

Thank you for giving me the opportunity to serve as president of this wonderful organization. Please feel free to contact me at oadawi@parkland.edu if have any questions or suggestions.

Omar

Institutional Members

| | |
|----------------------------------|------|
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| Illinois Central College | 2013 |
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| Lewis & Clark Community College | 2013 |
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Letter From the Editor

I always look forward to putting the Fall edition of the *ConneXion* together so I can get a sneak peek at the list of speakers for the IMACC conference. This year, as in the past, the conference is anchored with wonderful speakers that I know you will not only enjoy but also from whom you will also gain insightful information. I have known Alan Tussy for several years and have attended his presentation at AMATYC. He is an effective teacher, having taught from Prealgebra to Differential Equations most recently focusing on developmental mathematics and is a wonderful speaker. Paul Zorn's talks also look intriguing and I am looking forward to both of his presentations.

For those of you who missed the deadline but have news to share, let us know about new hires, retirements or other news and I will include it in the next edition.

Please note the deadlines for submitting articles in the future issues of *The Math ConneXion* found in the left margin of the second page.

Welcome New Faculty

The Math Department at Lewis & Clark Community College welcomes two new faculty members: Carol Patterson and Coral Kimble. They replace Karl Zilm and Terry Darling who retired at the end of the Spring 2013 semester. Welcome to Carol and Coral and we wish all the best to Karl and Terry on their retirement!

A Message from the Midwest Vice President of AMATYC

Greetings. Here is an update of recent activities in AMATYC.

The annual AMATYC conference is scheduled for Oct. 31 – Nov. 3, 2013 in Anaheim, California, at a site very close to Disneyland. To see a preview of the conference program and related conference information, visit the conference webpage (www.amatyc.org). Also, please browse the conference proceedings after the conference to view videos of keynote addresses and PowerPoint presentations and handouts of many talks.

During the conference at the Delegate Assembly, there will be an initial hearing on two position statements: *The Appropriate Use of Intermediate Algebra as a Prerequisite Course*, and *The Academic Preparation of Mathematics Faculty at Two-Year Colleges*. If you would like to share comments related to these statements, please contact your affiliate delegates, **Omar Adawi**, **Bob Capetta**, or **Connie McLean**, or your state delegates, **Kevin Hansen**, **Tom Pulver**, or **Diane Koenig**.

Now's the time to register for this year's Student Math League (SML). The first round of the completion runs from October 18th – November 9th. To ensure receiving materials in time to compete in the first round, register online as soon as possible. Remember, institutional AMATYC members receive free registration, but registration is still required. Thanks to all Illinois colleges for your continued participation in the SML.

AMATYC continues the year-long webinar series. If you were unable to attend a live webinar, you can access the recorded versions at <http://www.amatyc.org/?page=Webinars>. Recent webinars include:

- *Using Mapping Diagrams to Understand Functions* with Martin Flashman
- *MyMathText* with Rob Knight
- *Teaching Statistics in the Online World* with Michelle Everson
- *FOCUS - A Model Mathematics Co-Requisite Program* with Dr. Selina V Mireles

Did you know that AMATYC is the only discipline-specific national organization focused at the two-year college level? And this unique characteristic offers benefits for members. For example, the AMATYC journal, *MathAMATYC Educator*, offers a publication opportunity to mathematics educators (focused on the first two years of college) not available to those in other disciplines. Please contact **David Tannor**, the journal's editor, if you have an idea for an article.

If you are planning ahead, the 2014 AMATYC conference will be held at the Opryland Hotel in Nashville, Tennessee on November 13-16, 2014. The deadline for submitting proposals for the 2014 conference is February 1, 2014. Please consider repeating one of your IMACC presentations or creating a new one. Members around the country would love to hear about the innovative work you do.

AMATYC has recently updated its website. The new website has added several new features including a new online community feature. This feature will allow members from across the country to connect with colleagues with similar interests in online special interest groups. Please take advantage of the new features by joining or renewing your AMATYC membership today.

For more information about AMATYC events and activities, please check out the recent AMATYC newsletter at <http://www.amatyc.org/?page=AMATYCNews>.

Have a great fall semester. I look forward to seeing you at the annual AMATYC conference or next spring in Allerton.

Jim Ham

AMATYC Midwest Vice President

jaham@delta.edu

October 15, 2013

Upcoming Conferences

| Dates | Organization | Location |
|---------------------|---------------------|-----------------|
| Oct 31-Nov 3, 2013 | AMATYC | Anaheim, CA |
| Nov 6-8 | NCTM (Regional) | Louisville, KY |
| January 15-18, 2014 | AMS/MAA | Baltimore, MD |
| March 20-23, 2014 | ICTCM | San Antonio, TX |
| April 3-5, 2014 | IMACC | Monticello, IL |
| Aug 7 – 9 | MAA Math Fest | Portland, OR |

FREE Professional Development Opportunity at LLCC, Springfield, IL

Lincoln Land Community College is hosting an NSF sponsored workshop designed to provide curriculum and training to transform traditional lecture-based lessons into inquiry-based lessons. If you are not able to attend a presentation by the designers of this "Art of Math" project at the 2013 AMATYC conference in Anaheim, CA, you can still attend LLCC for a day long workshop here in central Illinois – for free! Note though, seating is limited to the first 20 respondents. For more information see the accompanying flier and check out the Discovering the Art of Math website at, www.artofmathematics.org

What: Workshop on Adding Inquiry-Based Learning to your Lessons

Where: Lincoln Land Community College, Springfield, IL

When: Tuesday, Oct 29th, 9 AM – noon; and 1 – 4 PM

For more information, or to reserve one of the 20 seats, email bill.bade@llcc.edu

(Note, lunch will be on your own - off-campus restaurants are within 2 miles of LLCC.)

Discovering the Art of Mathematics: Inquiry-Based Learning Workshop at LLCC

In this workshop, you will:

- *Experience what mathematical inquiry can feel like in a math for liberal arts class,*
- *Investigate particular content areas that might connect with your students,*
- *Understand and practice ways for creating a classroom environment where productive, safe, and deep mathematical inquiry can take place*
- *Reflect on the interaction of teacher, student, investigations, mathematics, and inquiry materials in the classroom.*

Plan for the Day

- Inquiry-Based Learning in Mathematics: Content, Pedagogy, and Student Experiences
- Hands-on workshop: Inquiry-Based Learning in Your Classroom
- Diving into Inquiry-Based Learning

Inquiry-Based Learning

The need for more active involvement of mathematics students in the learning process is well documented. Involvement occurs through the use of inquiry-based learning. Sample curriculum materials that make up **Discovering the Art of Mathematics** (DAoM) library "flip" the typical lecture dynamic by being built on guided-discovery investigations.

DAoM materials focus on investigations, tasks, experiments, constructions, data collection and discussion prompts rather than transcribed lectures and worked-out sample problems followed by banks of routine exercises. The transformative impact this has on students in MLA classrooms can be seen clearly in classroom data and vignettes, student quotes, and videos.

Who We Are: Julian Fleron, Phil Hotchkiss, Volker Ecke, Christine von Renesse.

artofmathematics@westfield.ma.edu

We want to know what is new in your math department!

The Illinois Mathematical Association of Community Colleges would like to know what is new in your school so that we can include it in the next edition of our newsletter.

Please send us information about:

- newly hired faculty
- newly achieved degrees
- awards received
- special projects that are underway
- pilot classes
- or anything else that is exciting in your department

We are also interested in sharing information about any new jobs that you will be listing. These can be added to the newsletter and links to listings can be added to our Facebook page.

Our one other request is that you let us know about faculty that are retiring from your department. We would like to be able to add their names to a list of recognized retirees in our newsletter and at our annual conference.

We value your time and would like to help you brag about your wonderful department. Please send any information you can share to: Diane Koenig, email: d.koenig@rockvalleycollege.edu

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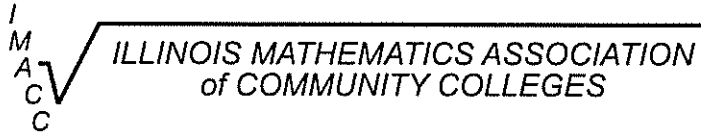
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IMACC Individual Membership Form 2012 - 2013

Name: _____ School: _____

Home Address: _____ School Address: _____

City: _____ State: _____ Zip: _____ City: _____ State: _____ Zip: _____

Phone: _____ Phone: _____ ext. _____

Email: _____

To which address would you like correspondence sent? Home School

Do you wish your name distributed with the IMACC database? Yes No

Would you like to receive *The Math ConneXion* electronically? Yes No

An email will be sent to you notifying you when the *ConneXion* is available.
You may then visit the IMACC website and read or print the latest issue.

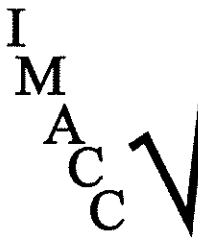
Membership Fees: 1 Year: \$15.00 3 Years: \$40.00 5 Years: \$65.00

| | | | | |
|-------------------|---|-----------------------------|---|-------------------|
| Membership Fee | + | Scholarship Contribution | = | Total Enclosed |
|-------------------|---|-----------------------------|---|-------------------|

Please make checks payable to: **IMACC**

Mail to: IMACC
c/o Steve Kifowit
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202 S Halsted St
Chicago Heights, IL 60411

IMACC's membership year begins July 1 and ends June 30. You may check your current membership status at the IMACC website <http://www.imacc.org/> or by looking at the printed label on your *The Math ConneXion*.



**ILLINOIS MATHEMATICS ASSOCIATION
OF COMMUNITY COLLEGES**

**INSTITUTIONAL MEMBERSHIP FORM
2013 – 2014***

INVOICE 201314

AMOUNT DUE: \$350.00

(IMACC Tax I.D. #: 371127733)

ENTER AMOUNT: _____

DATE: _____

SIGNED: _____ TITLE: _____

Make check payable to IMACC
c/o Steve Kifowit
Prairie State College
202 S. Halsted St.
Chicago Heights, IL 60411

**IMACC Institutional Members may send
one institutional representative to the
annual IMACC meeting free of charge
(not including transportation.)**

PLEASE COMPLETE THE FOLLOWING INFORMATION

Institution _____

Address _____

City _____ State _____ Zip _____

Phone _____

President _____

Vice-President
or Dean of
Academic Affairs _____

Contact Person Information:

Title and Name _____

Phone _____

E-mail _____

* IMACC's membership year begins July 1, 2013 and ends June 30, 2014. Annual dues must be paid by March 1, 2014 in order to receive the complimentary conference registration for the institutional representative.

The Math ConneXion

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