

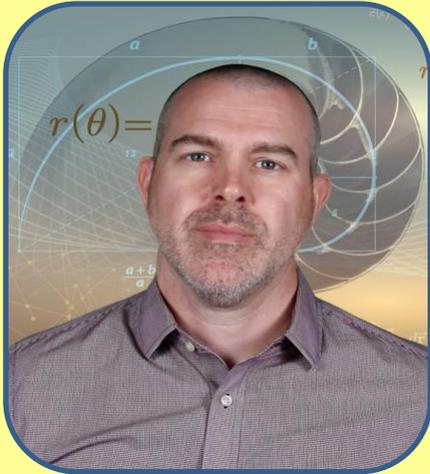
The Math ConneXion

NEWSLETTER OF THE ILLINOIS MATHEMATICS ASSOCIATION OF COMMUNITY COLLEGES

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President's Message

Well, here we are again with yet another canceled in-person IMACC conference. *heavy sigh*

That said, I'm actually pretty excited about the virtual conference planned for this year. We've elected to follow a similar format to last year's excellent conference, which was coordinated by Mike Caparula. The rough outline this year will be as follows:

Friday, April 1

1-1:50pm Keynote Speaker: Dr. Francis Su, Harvey Mudd College

2-2:50pm ICCB Update

3-3:50pm Concurrent Sessions (TBD)

Friday, April 8

1-1:50pm Keynote Speaker: Prof. Howie Hua, Fresno State

2-2:50pm IMACC Business Meeting

3-3:50pm Concurrent Sessions (TBD)

I couldn't be happier with the two keynote speakers. Dr. Francis Su is the Benediktsson-Karwa Professor of Mathematics at Harvey Mudd College and a former president of the Mathematical Association of America. If you made it to the 2019 AMATYC conference in Milwaukee, you might remember his talk on "Mathematics for Human Flourishing". His 2020 book with the same name went on to win the MAA's 2021 Euler Book Prize. I found his presentation inspiring, and I hope we all leave his IMACC session inspired as well.

Howie Hua is an instructor at Fresno State, where he teaches future math educators. He has a fantastic Twitter feed at [@howie_hua](https://twitter.com/howie_hua), where he shares a wide variety of thoughtful posts on teaching and learning, TikTok math videos (here you thought it was all trendy dances), and many, many memes. (He's honestly worth the follow just for the memes. We featured some of my favorites in the [Summer 2021 ConneXion!](#))

For the conference, we are again offering a FREE one-year membership for anyone wishing to attend! Current members will see their membership extended automatically and new members should select the 2022 Conference Attendee option on the [Member Registration](#) page for a free one-year membership. Please encourage your colleagues to join us!

Online Math ConneXion

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

Deadline for Submissions:

Summer 2022-April 30
Fall 2022 - October 15
Winter 2023-January 15

Submit items to: Ellen
Field, Editor The Math
ConneXion
ellenfield05@gmail.com

Is Your Membership Current?

Be sure to check your membership expiration date listed on the IMACC website. If your membership has expired or is about to expire, you can use this form:

<https://www.imacc.org/members/member-registration> 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.

For details about the conference, visit the [2022 IMACC Conference page](#). Once Presentation links are finalized, they will be found in the 2022 Conference link in the [Members Area](#).

Also, don't forget that we will be electing new officers this spring. To apply for any elected position, just complete the [nomination form](#). Nominations are due by January 31, 2022. If you have questions, please contact Laurel Cutright, President-Elect and Elections Committee Chair, at cutrightl@iecc.edu.

As a reminder, our fantastic Treasurer, Natalie McGathey, is stepping away from that role and we are currently looking for a replacement. Natalie is more than willing to work with anyone who is interested in taking over to help with the transition. If you have any questions or would like to learn more, please contact her at nmcgathey@prairiestate.edu.

While I'm disappointed we won't be seeing each other at Allerton this year, I'm looking forward to seeing you all at another great virtual conference!

Dan Kernler
IMACC President
<http://www.imacc.org>

Notification Needed

In an effort to cut down on the unnecessary mailing of paper copies, IMACC members wishing to continue receiving the *ConneXion* in hardcopy format, must email Ellen Field at ellenfield05@gmail.com.

Please note, you must send an initial email to opt into receiving a paper copy if that is the format you prefer. Otherwise, members who have not sent an email stating they would like to receive paper copies will receive future issues of the *ConneXion* in electronic form via an email with a link. If you have had any change to your address or email address, please email the IMACC Membership Chair, Christopher Riola, at riolac@morainevalley.edu with your updated information.

Institutional Members

College	Expires
Black Hawk College	2020
Carl Sandburg College	2022
College of Dupage	2021
College of Lake County	2019
Elgin Community College	2022
Harper College	2019
Heartland Community College	2020
Illinois Central College	2022
John A. Logan College	2017
John Wood Community College	2019
Joliet Junior College	2019
Kankakee Community College	2021
Kishwaukee College	2020
Lake Land College	2019
Lewis & Clark Community College	2021
Lincoln Land Community College	2021
McHenry Community College	2018
Moraine Valley Community College	2020
Morton College	2019
Oakton Community College	2016
Parkland College	2020
Prairie State College	2021
Rend Lake College	2018
Richland Community College	2018
Rock Valley College	2020
Shawnee Community College	2020
South Suburban College	2022
Southwestern Illinois College	2018
Triton College	2020
Waubensee Community College	2021

Send in Your Nominations

Consider nominating a deserving student for the IMACC Memorial Fund Scholarship (deadline March 1), a deserving colleague for the Distinguished Service Award, or the Excellence in Teaching Award (deadlines March 1), or retiring members meeting the qualifications for the Life Membership Award. See page 5 (below) for more information about these awards, or online at www.imacc.org.

Upcoming Conference

IMACC (virtual) Conference 2022: April 1 and April 8
<https://www.imacc.org/>

MAA (MathFest) 2022: Philadelphia, PA, August 3-6, 2022. <https://www.maa.org/meetings/calendar-events/future-meetings>

48th AMATYC Annual Conference 2022: November 17-20, 2022 in-person in Toronto; December 2-3, 2022 (virtual). Visit the Conference website at <https://amatyc.org/page/Conferences>

Curriculum Corner

Curriculum Committee Update by Abby Bailey

Inclusion: If any members want to join the curriculum committee, please do not hesitate to volunteer. Joining the Curriculum Committee is not an elected position, and we like to see representation from each community college. It's a great place to share and learn of new and old curricular ideas. Email me at abailey@elgin.edu to get information on the next meeting held via Zoom (on April 1st) to join.

Elementary Education: Some colleges within the state have their geometry in the first course of the Mathematics for Elementary Teaching course sequence, while others more heavily focus on geometry in their second course. The Committee has written a statement that may allow community college to be more flexible with their curricular planning. IMACC members will see a draft of this in January and another one closer the upcoming spring conference in April.

Articulation Guide:

- The work of the Task Force on college algebra, trigonometry, and the combined college algebra/trigonometry course is ready for a vote of approval. Members will get an email of the draft in January and another one closer to the upcoming spring conference in April for a vote of approval. ISMAA members are expected to vote on this at their meeting in March.
- A subcommittee created a survey on remedial skills and is reviewing the developmental section of the Articulation Guide (following Post-Workforce Readiness, Dual Credit Quality, and Education and Workforce Equity). We would like to collect feedback and data from you, our membership, before proceeding with any editorial recommendations. Your feedback on the survey is critical! You can complete the survey by using the link in the email sent to you or by using this QR code.



- As ongoing business, the Committee continues to review the course descriptions and prerequisites in the Guide and how they align and diverge with IAI's course descriptions. A subcommittee is being formed to dive a little closer into this work.

Membership Concerns:

- There is variability in how schools are complying with the Education and Workforce Equity Act (HB2170 before being passed) across the State. In addition to holding concern for our traditional

developmental students who are unsure of their mathematical potential, some members have expressed concerns regarding the students who would like to become future elementary teachers.

- The Committee discussed the possible inclusions of technical math in the Articulation Guide. As the Articulation Guide is a joint effort with ISMAA to ease the curricular expectations for transferability into four-year post-secondary schools, the Committee decided that the Articulation Guide is not the place for such an addition at this time. However, there is room for further cross-curricular collaborations and discussions to aid in mathematical content recommendations. If you are interested in this, please contact me (abailey@elgin.edu).
- Accurate assessment of student knowledge continues to be a concern for math courses being offered online mathematics without proctored testing.
- Concerns about credentials for dual credit courses being taught in the high schools continues to be a concern as it impacts the student knowledge of the expected curriculum upon completion. This is now showing a larger prevalence in the calculus sequence across the State.

If you have any ideas you want to share, ideas you want to gain, concerns about curriculum you want to voice, or interest in joining our committees, then send me a quick (or lengthy) email to abailey@elgin.edu.
Happy teaching!

Due to transitioning to a new Midwest Region VP, we have no news for AMATYC at this time.

Full-Time Math Faculty Job Postings

Oakton Community College has a full-time tenure track math faculty opening for Fall 2022. Please click on the following link for more details:

<https://oakton.interviewexchange.com/jobofferdetails.jsp;jsessionid=F2826F29D9B2EBA940E19A2BFB708D4D?JOBID=139990>

Harper College has a full-time tenure track math faculty opening. Please click on the following link for more details:

<https://jobs.harpercollege.edu/cw/en-us/job/494195?lApplicationSubSourceID=>

Wilbur Wright College of City Colleges of Chicago has a full-time tenure track math faculty opening for Fall 2022. Please click on the following link for more details:

<https://cccconnect.referrals.selectminds.com/jobs/full-time-tenure-track-faculty-mathematics-1373>

IMACC gives a variety of awards each year. Follow each link for more detailed information regarding each award.

The [Distinguished Service Award](#) is to honor one of our members for a career of outstanding service to IMACC. **Nomination deadline: March 1.**

The [James Armstrong Award](#) was established in 1978 to honor the late University of Illinois professor, James Armstrong, whose leadership fostered a spirit of cooperation between two-year college mathematics teachers and the

mathematics faculties at four-year colleges and universities. The award is to be given annually to a four-year college or university professor who continues this tradition of cooperation and assistance with the two-year colleges. **Nomination deadline: March 1.**

The **Life Membership Award** is for IMACC members who are retiring. The recipient must have been a member of IMACC for at least 10 years (not necessarily in a row) and been a regular attendee at the IMACC conference or have other significant contributions to the organization. **Nomination deadline: March 1.**

The **IMACC Memorial Fund Scholarship** is awarded annually to a student attending an Illinois two-year or four-year college. The scholarship is awarded in memory of James Armstrong, a University of Illinois Professor until his death. Mr. Armstrong was instrumental in establishing the Allerton Conferences and in fostering better relations between two-year and senior colleges. **Nomination Deadline: March 1.**

The **IMACC Award for Teaching Excellence** is an annual award given to an outstanding mathematics teacher in a community college.

Sudoku #1

2		5			7			6
4			9	6			2	
				8			4	5
9	8			7	4			
5	7		8		2		6	9
			6	3			5	7
7	5			2				
	6			5	1			2
3			4			5		8

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Fill in the blank squares so that each row, each column and each 3-by-3 block contain all of the digits 1 thru 9.

If you use logic you can solve the puzzle without guesswork.

Need a little help? The hints page shows a logical order to solve the puzzle. Use it to identify the next square you should solve. Or use the answers page if you really get stuck.

IMACC Leadership 2020-2021

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Answers

Sudoku #1

2	3	5	1	4	7	9	8	6
4	1	8	9	6	5	7	2	3
6	9	7	2	8	3	1	4	5
9	8	6	5	7	4	2	3	1
5	7	3	8	1	2	4	6	9
1	4	2	6	3	9	8	5	7
7	5	9	3	2	8	6	1	4
8	6	4	7	5	1	3	9	2
3	2	1	4	9	6	5	7	8



krazydad

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