

# American Mathematical Association of Two-Year Colleges



## 43<sup>rd</sup> AMATYC Annual Conference

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Sheraton San Diego  
Hotel & Marina

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San Diego, California

November 9 – 12, 2017

Hosted by CMC<sup>3</sup>-South  
and the West Region

[www.amatyc.org](http://www.amatyc.org)

## Keynote and Breakfast Speakers

**Scott Adamson**

Chandler-Gilbert CC  
*Is It 1957 or 2017?*

**Jim Matthews**

Siena College  
*Key Components for Any Math Course:  
Newspapers, Trains, and Lockers*

## Featured Speakers

**John Martin**

Santa Rosa Junior College  
*Digging for Gold: Discovering the Golden Ratio*

**Myra Snell**

Los Medanos College  
*Rethinking Placement and Remediation to  
Maximize Success and Equity*

Opening Doors Through Mathematics

# CONFERENCE HIGHLIGHTS

Make plans now to attend the 43<sup>rd</sup> Annual AMATYC Conference in San Diego, CA, November 9-12, 2017. In addition to Thursday's keynote address and Saturday's breakfast presentation, the program includes two outstanding featured speakers, two themed sessions, and a symposium plus workshops. The RMETYC Committee will sponsor the Scholarship of Teaching and Learning symposium followed by a workshop, *Embarking on Inquiry in Your Classroom*, on Friday. A second workshop, *Moving from Reflective Teaching to Classroom Inquiry*, is scheduled on Saturday. The Statistics Committee will sponsor *Data Science and the Introductory Statistics Course*. Sources of real data that can be used in an introductory statistics course will be shared, methods of data cleaning and graphical methods for visualizing data will be discussed, and participants will learn about the ASA DataFest student competition. The second themed session, *Engaging Future Teachers with Concepts of Rational Numbers*, will focus on understanding representations, concepts, and algorithms of fractions and other rational numbers. Teacher Preparation Committee members will share classroom ideas, activities, and research that can be used in courses for prospective teachers.

AMATYC *IMPACT* (Improving Mathematical PROWESS And College Teaching) is the new follow-up document to AMATYC's signature standards documents *Crossroads in Mathematics* and *Beyond Crossroads*. Some exciting *IMPACT* activities to be presented at this year's conference include a forum on Thursday evening to present the document to the membership, a table at Thursday morning's new Chat and Chew roundtable session, a presence at the Poster Session, and four different sessions on the theme of Mathematical PROWESS (**PR**oficiency, **OW**nership, **E**ngagement, **S**tudent **S**uccess).

## Keynote and Breakfast Speakers

**Scott Adamson:** *Is It 1957 or 2017?*

Think about teaching and learning mathematics. What images come to mind? What are students doing? What is the teacher doing? What tools are available? Would your images be different in terms of what students or teachers are doing if it was 1957 instead of 2017? Should they be different? By thinking about what mathematics is, what mathematics should be taught to prepare our students for the future, and how to engage students to reason mathematically, Adamson will inspire us to take specific strategies back to our classrooms, reinvigorated to impact the lives of our students.

**Jim Matthews:** *Key Components for Any Math Course: Newspapers, Trains, and Lockers*

There are five reasons to study mathematics. These reasons should form the basis for any math course and if they do, there is a high probability of success. During the Saturday morning breakfast session Jim Matthews will lead a discussion that will focus on the most important reason to study math and will include the mathematics of newspapers, trains, and lockers.

## Featured Speakers

**John Martin:** *Digging for Gold: Discovering the Golden Ratio*

Over the years many people have ascribed mystical properties to the number known as the golden ratio. Featured speaker John Martin will explore some of the legend and lore surrounding this number as well as the mathematics behind it. Careful sifting will reveal some nuggets faculty can use to enliven their own presentations in algebra and liberal arts classes.

**Myra Snell:** *Rethinking Placement and Remediation to Maximize Success and Equity*

A large proportion of community college students place into remediation but only a small proportion complete mathematics requirements for the A.A. degree and for transfer. Some California colleges have quintupled the number of college-ready students, quadrupled completion rates and closed equity gaps. Come hear from featured speaker Myra Snell about how they have done it.

# CONFERENCE REGISTRATION

Discount:	Member	\$360	Regular:	Member	\$400
	Non-member	\$473		Non-member	\$513
	Single Day, Member	\$135		Single Day, Member	\$175
	Single Day, Non-member	\$160		Single Day, Non-member	\$200

Please contact the AMATYC Office for more information regarding:

- Member-sponsored student registration
- Pre-paying conference registration fees

**Discount registration deadline: Saturday, September 30, 2017**

## San Diego Conference Committee

**Conference Coordinator**

Keven Dockter  
keven.dockter@anokaramsey.edu

**Asst. Conference Coordinator**

Helen (Honey) Kirk  
hkirk@alamo.edu

**Local Events Coordinator**

Tammi Marshall  
tammi.marshall@gcccd.edu

**Program Coordinator**

Judy Williams  
jwilliams@tcc.edu

**Presider Chair**

Darlene Winnington  
dwinning@dtcc.edu

**Advertising Chair**

Nathalie M. Vega-Rhodes  
nathalie.m.vega-rhodes@lonestar.edu

**Exhibits Chair**

Jay Martin  
jemartin@waketech.edu

## HOTEL INFORMATION

The 43<sup>rd</sup> Annual AMATYC Conference begins on Thursday, November 9, 2017, at the headquarter hotel, the **Sheraton San Diego Hotel & Marina**, located at 1380 Harbor Island Drive, San Diego, CA 92101.

**A block of guest rooms at reduced rates has been reserved at the Sheraton San Diego Hotel & Marina until October 13, 2017, or until AMATYC's room block is sold out, whichever comes first.** Any unreserved rooms in the block may be released for sale to the general public after this date. AMATYC members have purchased all available rooms the past few

years, so make your reservations early! Be sure to **mention that you are attending the AMATYC Conference** if making your reservation by phone. Reservations can be made at the link on the AMATYC website, the link listed below, or by calling the hotel at the number listed below.

A deposit equal to **one night's stay** is required to hold each individual's reservation. A valid American Express, Visa, MasterCard, Diners Card number and expiration date is acceptable. **Should a guest cancel a reservation, the deposit will be refunded if notice is received at least 30 days prior to the reservation's check-**

**in, and a cancellation number is obtained. If you do not check into the hotel on the first night of your reservation, your deposit will be forfeited and your reservation canceled.** Name changes to room reservations may be made up to arrival at no additional charge, if there is no change to the arrival and departure dates.

An early departure fee of **one night's room plus tax** will apply if an attendee checks out prior to the confirmed checkout date. You will be informed of this policy at check-in and can change your respective check-out date at the time of check-in, without charge.

To help AMATYC keep your conference costs reasonable, be sure to mention that you are attending the AMATYC Conference when contacting the hotel. **Rates cannot be changed at check-in or check-out for guests who fail to identify their affiliation at the time the reservation is requested.**

### Sheraton San Diego Hotel & Marina

1380 Harbor Island Drive • San Diego, CA 92101

**Reservations:** 1.877.734.2726 (mention AMATYC Conference)

**Reservations Website:**

<https://www.starwoodmeeting.com/Book/AMATYC43rdAnnualConference>

#### Room Rates\*

Single/Double Occupancy \$ 184  
Each Additional Person \$ 20

*Children under 18 stay for free in their parent's room*

Check-in: 3:00 pm Check-out: 12:00 pm (noon)

*\*Room rates are quoted exclusive of applicable state, local, and occupancy taxes that are currently 12.7%, (subject to change).*



Scan this code to go to the reservations website.

## PLACES TO VISIT IN SAN DIEGO

The community colleges of Southern California invite you to visit San Diego and let us show you why it is "America's Finest City." There is something for everyone, individuals and families alike. Here are a few things to look forward to:

#### Beaches

- Coronado
- La Jolla Cove/Children's Pool
- La Jolla Shores
- Mission Beach
- Pacific Beach
- Point Loma Tidepools
- Torrey Pines State Beach

#### City Tours

- Old Town Trolley Tours
- San Diego SEAL (Sea & Land) Tours
- San Diego Segway Tours

#### Entertainment

- Balboa Park Theaters
- Belmont Park
- Sea World
- San Diego Zoo
- San Diego Zoo Safari Park

#### Museums

- Balboa Park Museums
- Maritime Museum of San Diego
- Old Town San Diego
- San Diego Mission de Alcalá
- USS Midway

#### Outdoors

- Balboa Park
- Golfing
- Harbor Cruise
- Lighthouse on Point Loma
- Old Town San Diego
- Presidio Park
- Surfing

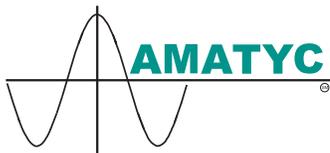
#### Shopping

- Coronado
- Del Mar
- Gaslamp District
- La Jolla
- Seaport Village

➤➤ *More Information about these and other attractions can be found at [www.sandiego.org](http://www.sandiego.org).* ⚡⚡

### AMATYC Office

Southwest Tennessee Community College 5983 Macon Cove Memphis, TN 38134  
Phone: 901.333.5643 Email: [amatyc@amatyc.org](mailto:amatyc@amatyc.org) Website: [www.amatyc.org](http://www.amatyc.org)

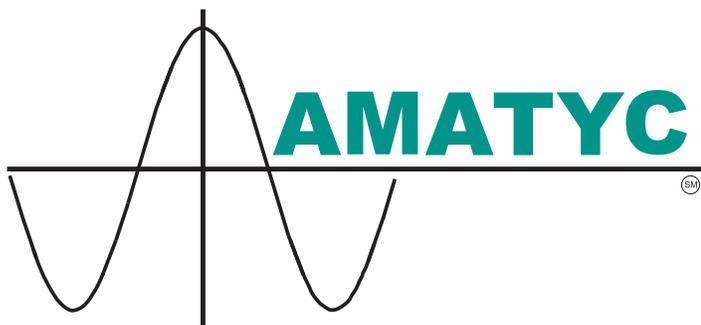


Southwest Tennessee Community College  
5983 Macon Cove  
Memphis, TN 38134

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**Advance Conference Information**

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of Two-Year Colleges**  
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**43<sup>rd</sup> Annual Conference**

**San Diego, California**

**Thursday – Sunday**  
**November 9 – 12, 2017**

Watch for the Miniprogram and  
Registration Information in August.