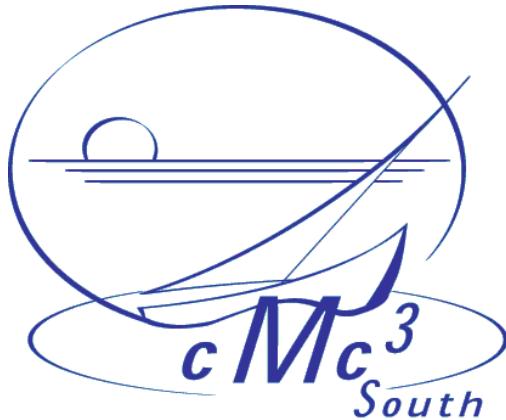


# California Mathematics Council Community Colleges South

[www.cmc3s.org](http://www.cmc3s.org)



## Twenty-seventh Annual Conference

Friday Evening Keynote Speaker

Saturday Luncheon Keynote  
Speaker

**Charles P. "Pat" McKeague**

**Jim Gaston**

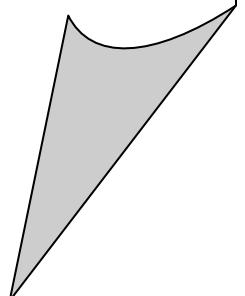
Professor Cuesta College  
San Luis Obispo, CA

Associate Director of Information  
Technology for the South Orange  
County Community  
College District

**Five Minutes to  
a more  
Satisfying Course**

**From Edison to Jobs:  
Lessons Learned  
From the iGeneration**

**March 2 – March 3, 2012**  
Doubletree Hotel  
Anaheim/Orange County



## **Message from the President**

### **Welcome to the 2012 Annual Conference of the California Mathematics Council of Community Colleges -- South!**

A conference is a great time for professionals to come together and share new ideas. Over the past couple of years, the CMC<sup>3</sup>-- South Board has worked to reorganize the conference to provide members with greater opportunities to learn and to share.

On Friday, workshops are offered by publishers. This year, publishers and vendors have put together six workshops that focus on presenting some of the latest technologies designed to improve student learning of mathematics. Exhibitor chair, Tammi Marshall, has worked closely with the exhibitors and the hotel to create a collection of workshops that help mathematics educators familiarize themselves with the latest tools available designed to improve student understanding, and educator effectiveness.

Early Friday evening, registration for the conference begins. A light buffet will be followed by a presentation from our keynote speaker, long time CMC<sup>3</sup>-- South member, and popular presenter, Pat McKeague. The keynote presentation will be followed by a game night with refreshments and games hosted by Pearson Publishing. This will provide us with a fun atmosphere in which to exchange ideas and relax with those colleagues that we sometimes see only once a year.

Conference activities will commence on Saturday at 8:00 AM with registration and continental breakfast. Once again, Sherri Wilson, the Speaker Chair and President-Elect, has put together a wonderful array of mathematicians to speak at the nineteen breakout sessions. The speakers address a broad array of STEM topics. Every mathematician at the conference should find topics to pique his or her particular interests. In addition to our regular breakout sessions, Sherri has included a special session at the end of the day where mathematics educators have the opportunity to informally share their teaching ideas. Please bring worksheets, papers, websites, or just your curiosity to this meeting. Sharing is the theme of that session.

At lunch, we will conduct board elections, which will be followed by the luncheon keynote speaker, Jim Gaston. *Lessons Learned from the iGeneration ...* I can't wait to find out what those are.

Throughout the day, the exhibitors' hall will be open. Please take the opportunity to check out the books, tools, and teaching materials showcased. At 3:00, meet us there to see what the exhibitors have on display, to say farewell to colleagues, and to participate in the door prize drawings.

Thank you for coming and for sharing!

Patty George, President  
CMC<sup>3</sup>--South

# Visit the Exhibitors

Laguna Newport  
9:00am - 4:00pm

**Casio**

**Cengage Learning**

**Hawkes Learning  
Systems**

**iLearn Inc.**

**Mathematics Diagnostic  
Testing Program**

**McGraw-Hill**

**John Wiley & Sons**

**Pearson**

**W. H. Freeman**

**Thinkwell**

**XYZ Textbooks**

**Many thanks to the following for:**

**Door Prizes:**

**Casio**

**Morning coffee break:**

**Cengage Learning**

**Cengage Learning**

**Conference bags:**

**AMATYC**

**Hawkes Learning Systems**

**Conference bag items:**  
**Mathematics Diagnostic  
Testing Program**

**McGraw Hill**

**Texas Instruments**

**W. H. Freeman**

**XYZ Textbooks**

**Friday Game night & Door prizes:**  
**Pearson**

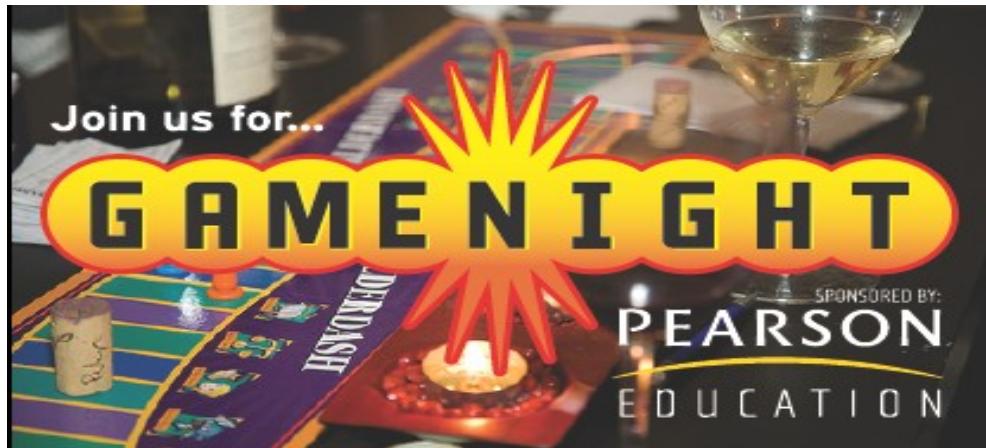
**Friday Evening Social and Entertainment  
Begins at 6:00 pm  
Hermosa Huntington Manhattan Room  
Wine and Pasta Social**

**7:00 pm      Friday night speaker:**

**Charles P. "Pat" McKeague**

**Five Minutes to a more  
Satisfying Course**

Too many topics, too little time? Even so, I reserve five minutes of every class session to bring in the things I find interesting in, and around, mathematics. Postage stamps, Google Earth, online dictionary, and more make these five-minute breaks some of the most important parts of each course.



**8:00 pm**

**Gaming to include Wii, and  
various Board Games.**

**Enter the raffle for the chance to win a  
complete Wii System and Board Games  
provided by Pearson Education.**

## **Saturday Luncheon And Keynote Speaker**

Hermosa Huntington Manhattan Room  
11:45 am to 1:45 pm

### **Keynote Speaker**

# **Jim Gaston**

Associate Director of Information Technology  
South Orange County Community College District

### **From Edison to Jobs: Lessons Learned From the iGeneration**

Technology has radically transformed the way students read, listen to music, purchase gifts, watch television, make "friends" and socialize. This transformation has forever changed the book, music, television and movie industries. Higher education might be next in line. Are we immune from the decentralizing power of technology that has transformed multi-billion dollar industries? If not, what can we do to help our students learn in a college environment that is significantly different from our own experience? Please join us for a humorous, challenging and inspiring presentation.

### **CSU/UC Mathematics Diagnostic Testing Project**

MDTP tests measure readiness for mathematics courses and are approved for use by California Community Colleges

- The Algebra Readiness Test assesses preparation for first year algebra courses.
- The Elementary Algebra Diagnostic Test assesses preparation for second year algebra courses.
- The Intermediate Algebra Diagnostic Test assesses preparation for precalculus and other courses at that level.
- The Precalculus Diagnostic Test assesses preparation for calculus. This test is available in a 40-item version and a 60-item version.

MDTP has two online practice tests available to anyone with Internet access. Students can use the online tests to prepare for precalculus and calculus level courses.

<http://mdtp.ucsd.edu/OnlineTests.shtml>

MDTP California Community College Coordinator  
MaryAnne Anthony – (714) 564-6646  
[cccmdtp@attglobal.net](mailto:cccmdtp@attglobal.net)  
<http://mdtp.ucsd.edu>

**Saturday, March 3      9:00 – 10:00 AM**

**Redondo Room**

**Alan Tussy**

**The Eureka! Experience  
Instructional Techniques that Encourage It**

Watch two of your colleagues participate in an intriguing experiment designed by an educational psychologist. Learn about the successive stages that your students go through to assimilate mathematical terms and concepts. Witness the Eureka! experience - the point in the learning process when students confidently claim, "Now I understand it!"

**Sunset Room**

**Margaret Yau**

**Statcato:  
Open-Source Java Software for Elementary Statistics**

Statcato (<http://www.statcato.org>) is a free, open-source Java software application developed for elementary statistics. Its features are tailored for community college statistics students and instructors. The software application, along with a set of lab activities that guide students explore elementary statistics with the use of Statcato, will be discussed and demonstrated.

**Malibu Room**

**Chris Mackenzie**

**Dynamic Algebra on a Spreadsheet**

Using an Excel Spreadsheet students will have an opportunity to observe dynamic graphs. For example, a simple slider will control the motions of a quadratic graph so that engaged students can ask thought provoking questions and quickly see how the graph responds. Participants will observe and create their own graphs. Bring a jump drive, a series of graphs will be provided, they are all free! These tools can be used by instructors as a teaching aid our by students to help with assignments.

**10:00am-10:30am**

**Grand Ballroom Foyer**

**Coffee break and refreshments**

**Visit the exhibits in  
Laguna Newport**

**Saturday, March 3**

**9:00 – 10:00 AM**

**Lassen Room**

**Cheryl Ooten**

**Mind Mapping Mathematics**

This workshop will introduce a powerful, easy-to-use tool for helping students organize their learning and get an overview of their mathematics while making conceptual connections. Suggestions for easy class implementation of mind maps for lecture organization, test review, and student note-taking and study will be made.

**Sequoia Room**

**Informal Networking  
Teaching ideas exchange.  
Bring your teaching tips to share**

**Yosemite Room**

**Richard Zucker**

**Clickers: How did I ever live without them?**

Come and see how the use of clickers in the mathematics classroom livens the class, involves students and tracks their understanding in real time.

**Redwood Room    MaryAnne Anthony and Lynn Marecek**

**Teaching Math  
Integrating Reading Strategies Makes a Difference**

Do you expect your students to read the textbook, and then complain when they don't? Do your students view their math text as just a collection of exercise sets? Become proactive in helping your students learn how to read their textbook effectively. This session will show you how!



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**connect™**  
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combined with an artificially intelligent,  
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An integrated, media-rich eBook!

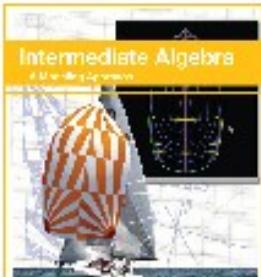
*Created by Math & Statistics Educators for Math & Statistics Educators*



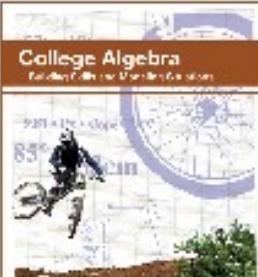


# xyztextbooks

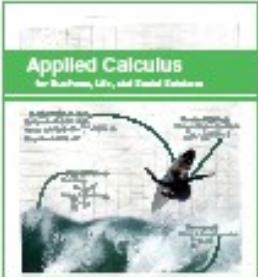
## Introducing our new titles from award-winning authors.



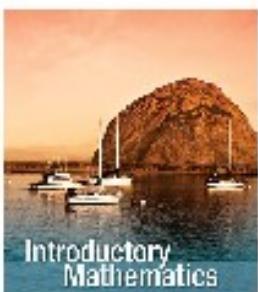
Katherine  
Yoshiwara



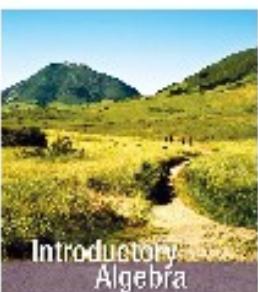
Charles P.  
McKeague



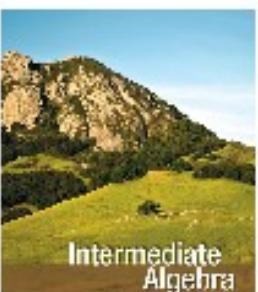
Denny Burzynski  
& Guy Sanders



Introductory  
Mathematics



Introductory  
Algebra



Intermediate  
Algebra

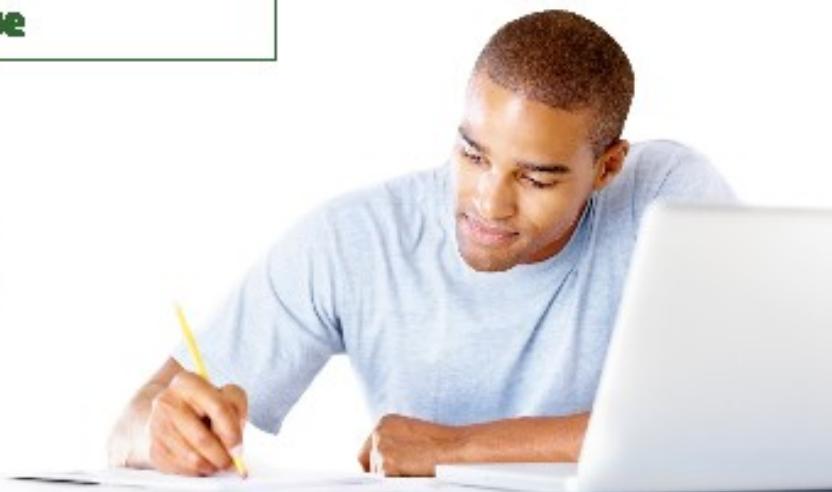
Charles P. McKeague



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**March 3, 2012 Registration and Breakfast 8:00-9:00 am**  
**Hermosa, Huntington, Manhattan**

<b>The Program at a Glance (Main Floor)</b>			
	<b>Redondo Room</b>	<b>Sunset Room</b>	<b>Malibu Room</b>
9:00 – 10:00	<b>Alan Tussy</b> <b>The Eureka! Experience-Instructional Techniques that Encourage It</b>	<b>Margaret Yau</b> <b>Statcato: Open-Source Java Software for Elementary Statistics</b>	<b>Chris Mackenzie</b> <b>Dynamic Algebra on a Spreadsheet</b>
10:30 – 11:30	<b>Cindy Anfinson and Mark Clark</b> <b>Green Applications in Developmental Mathematics</b>	<b>Lalu Simcik</b> <b>Bubble Optimizations for Pre-calculus &amp; Beyond</b>	<b>Barbara Illoowsky</b> <b>Contextualized Learning in Mathematics</b>
11:45 – 1:45	<b>Lunch and key note speaker:</b> <b>Jim Gaston</b> <b>From Edison to Jobs: Lessons Learned From the iGeneration</b> <b>Hermosa, Huntington, Manhattan</b>		
2:00-3:00	<b>Stephen Lancaster</b> <b>An Effective Classroom Presentation System</b>	<b>Yoshi Yamato, Marie McClendon, Bruce &amp; Kathy Yoshiwara and several others</b> <b>California Developmental Math Initiatives</b>	<b>Alan Bass and Holly Bass</b> <b>Math Study Skills in the Classroom</b>
3:00-4:00	<b>Social and door prize drawing Laguna Newport Corridor Exhibit Hall</b> <b>Door prize drawing at 3:30</b>		

<b>The Program at a Glance (Second Floor)</b>				
<b>Lassen Room</b>	<b>Redwood Room</b>	<b>Yosemite Room</b>	<b>Sequoia Room</b>	
<b>Cheryl Ooten</b>  <b>Mind Mapping Mathematics</b>	<b>MaryAnne Anthony and Lynn Marecek</b>  <b>Teaching Math - Integrating Reading Strategies Makes a Difference!</b>	<b>Richard Zucker</b>  <b>Clickers: How did I ever live without them?</b>	<b>Informal Networking and teaching ideas exchange. Bring your teaching tips to share</b>	9:00 – 10:00
<b>Cherie Ichinose</b>  <b>Online Learning and the Interactions While Learning Mathematics</b>	<b>Mark Hugen</b>  <b>Cyclical Products - The Last Shall Be First</b>	<b>John Thoo</b>  <b>Lattices, Dust Boards, and Galleys</b>	<b>Jay Lehmann</b>  <b>What's the Function of Functions in Intermediate Algebra?</b>	10:30 – 11:30
<b>Lunch and key note speaker:</b> <b>Jim Gaston</b> <b>From Edison to Jobs: Lessons Learned From the iGeneration</b> <b>Hermosa, Huntington, Manhattan</b>				11:45 – 1:45
<b>Alan Stillson</b>  <b>Math songs</b>	<b>Jeffrey Saikali</b>  <b>Ideas for Intermediate Algebra through Pre-Calculus</b>	<b>Tatiana Melguizo</b>  <b>The Effectiveness of the Current Basic Skills Math Sequence on Community College Students' tips to share</b>	<b>CMC3^s Board Members</b>  <b>Tips for landing that Full-time position</b>	2:00-3:00
<b>Social and door prize drawing Laguna Newport Corridor Exhibit Hall</b> <b>Door prize drawing at 3:30</b>				3:00-4:00



**Cengage Learning is providing a Kindle Fire for a Door Prize!**  
**Stop by our booth for a chance to win!**



**Questions about student engagement, retention, and/or self-paced learning?**  
Stop by our booth to learn more about Enhanced WebAssign!

**Interested in using something better, but no time to learn how to implement it?**  
Let Cengage do the work for you with CourseCare! For both professors AND students!



**Want to learn more about reaching and engaging your students?**

For more than a decade, TeamUP Faculty Programs have helped faculty reach and engage students through peer-to-peer consultations, workshops, and professional development conferences.

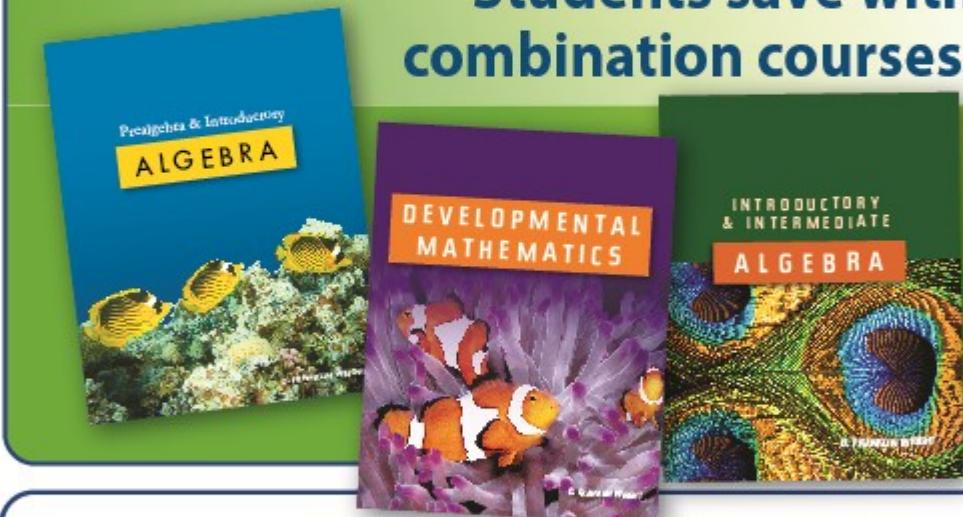


# SUCCESS MEANS: Raising grades. Lowering cost.

Are you interested in becoming part of the CMC<sup>3</sup>'s board?

Please join us for the debriefing meeting following the conference at 4:00 pm in the International Board room next to the hotel lobby bar area.

**Students save with combination courses.**



**Stop by our exhibit to learn more about the leading mastery-based software & our NEW courses.**

**Also enter to win an Amazon Kindle!**

#### **SUCCESS WORKSHOP: FOR MATH TECHNOLOGY**

**When: Friday @ 3:00**

*Join us for drinks and a demonstration.*



## **38<sup>th</sup> AMATYC Annual Conference**

**Jacksonville, Florida**

**November 8-11, 2012**

**Conference Theme: *River-of-Knowledge, Ocean-of-Dreams***

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

**Saturday, March 3      10:30 – 11:30 AM**

**Redondo Room**

**Cindy Anfinson and Mark Clark**

**Green Applications in Developmental Mathematics**

In this presentation, we will examine green applications in developmental mathematics from fields such as solar power, wind power, and recycling. We will focus on how to use green applications in the effectively in the classroom to engage students.

**Sunset Room**

**Lalu Simcik**

**Bubble Optimizations for Pre-calculus & Beyond**

The mathematical similarity between a corral, regular polygons, rectangular box, regular polyhedra, and spherically optimized enclosures are simple and full of wonder. To show this, the talk includes a bubble demonstration from a master bubble blower. Participants will have the opportunity to practice their own bubble blowing techniques.

**Malibu Room**

**Barbara Illowsky**

**Contextualized Learning in Mathematics**

Why do we benefit from infusing career activities into both our developmental level courses and programs? Discover the answers as well as the steps you need to take to develop your own contextualized learning activities. As a bonus, we will develop some assignments together that you will be able to take right back into your Monday classes.

**11:45am-1:45pm**

**Hermosa, Hunting, Manhattan**

**Lunch and Keynote Speaker**

**Jim Gaston**

**From Edison to Jobs:**

**Lessons Learned From the iGeneration**

**Saturday, March 3      10:30 – 11:30 AM**

**Lassen Room**

**Cherie Ichinose**

**Online Learning and the Interactions While Learning Mathematics**

Research surrounding learning mathematics online is limited and focuses primarily on college courses where students' learning is self-directed and requires limited interaction. This presentation will explore high school students' interactions with online content and the effect teacher and peer engagement has on their mathematical learning and efficacy.

**Sequoia Room**

**Jay Lehmann**

**What's the Function of Functions in Intermediate Algebra?**

Many "early-function" intermediate-algebra approaches introduce functions early, but don't revisit the concept. Come see how functions can be harnessed to solve equations and inequalities, how the graphical action of a function can make finding domains and ranges easy, and how even traditional word problems can be solved using functions.

**Yosemite Room**

**John Thoo**

**Lattices, Dust Boards, and Galley**

We will look at several algorithms for arithmetical operations from years past, some even before the invention of paper or pencil, placing them in their historical context. Many of these may be introduced to spice up our arithmetic and prealgebra classes.

**Redwood Room**

**Mark Hugen**

**Cyclical Products - The Last Shall Be First**

Generalizing the solution to a simple problem leads to some interesting results involving repeating decimals, infinite geometric series and a different view of negative numbers.

**Saturday, March 3      2:00 – 3:00 PM**

**Malibu Room**

**Alan Bass and Holly Bass**

**Math Study Skills in the Classroom**

Over several years Alan and Holly Bass have developed and collected a large assortment of study skills materials to be used in a developmental math classroom. In this presentation, attendees will be given a variety of study skill materials that can be used in class, given as homework, or used to facilitate a study skills workshop.

**Sunset Room**

**Yoshi Yamato, Marie McClendon,  
Bruce & Kathy Yoshiwara and several others**

**California Developmental Math Initiatives**

This interactive session will profile Developmental Math Initiatives and Reform Efforts at Pasadena City College, Pierce College, LACC, and College of the Canyons. After the panel briefly presents these initiatives, the session will be opened for audience participation. The panelists are requesting that the session audience critique and improve the presented initiatives along with sharing ideas and programs from their schools.

**Redondo Room**

**Stephen Lancaster**

**An Effective Classroom Presentation System**

This presentation combines a high-tech presentation system with a low-tech active learning system to present multi-modal, effective, lessons. We will discuss the methods and technology.

**3:00pm-4:00pm**

**Laguna Newport Corridor  
Exhibit Hall**

**Social and door prize drawings  
Drawings at 3:30**

**Saturday, March 3      2:00 – 3:00 PM**

**Lassen Room**

**Alan Stillson**

**Math Songs**

Original math songs for selected topics from basic math, pre-algebra, elementary algebra, intermediate algebra and trigonometry. They are parodies of well-known songs and will be sung live with sing-along sheets.

**Sequoia Room**

**Tom Ogimachi and CMC<sup>3</sup>'s Board members**

**Tips for landing that Full-time position**

This session is geared to the Part-time faculty who are applying for full-time positions . A panel of department chairs, deans and recent hires will share tips on applications, cover letters and interviewing techniques that successful candidates employ

**Yosemite Room**

**Dr. Tatiana Melguizo**

**The Effectiveness of the Current Basic Skills Math Sequence on  
Community College Students' Academic Success in Math:  
Evidence from Los Angeles City College**

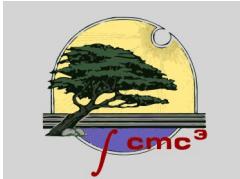
This talk will present the findings of a recent federally funded study that explores the effectiveness of the current basic skills math sequence on math academic success. We already have results for one of the nine colleges of the Los Angeles Community College District, and at least two additional colleges.

**Redwood Room**

**Jeffrey Saikali**

**Ideas for Intermediate Algebra through Pre-Calculus**

A couple of “old” ideas (mysteriously no longer seen in textbooks, but still valid and very useful!) along with some “new” ones will be explored.



## **California Mathematics Council Community Colleges**

**16th Annual Spring Recreational  
Math Conference  
in Lake Tahoe  
MontBleu Hotel and Casino  
April 27 and 28, 2012**

**Join us for the CMC<sup>3</sup> 40<sup>th</sup> annual  
fall conference!  
Portola Hotel and Spa  
Monterey, Ca  
Friday December 7 -  
Saturday December 8, 2012  
[www.cmc3.org](http://www.cmc3.org)**



## **California Mathematics Council Community Colleges South Fall Event October 6, 2012 Hosted by: Los Angeles Mission College**

**Visit [www.cmc3s.org](http://www.cmc3s.org)  
for details**

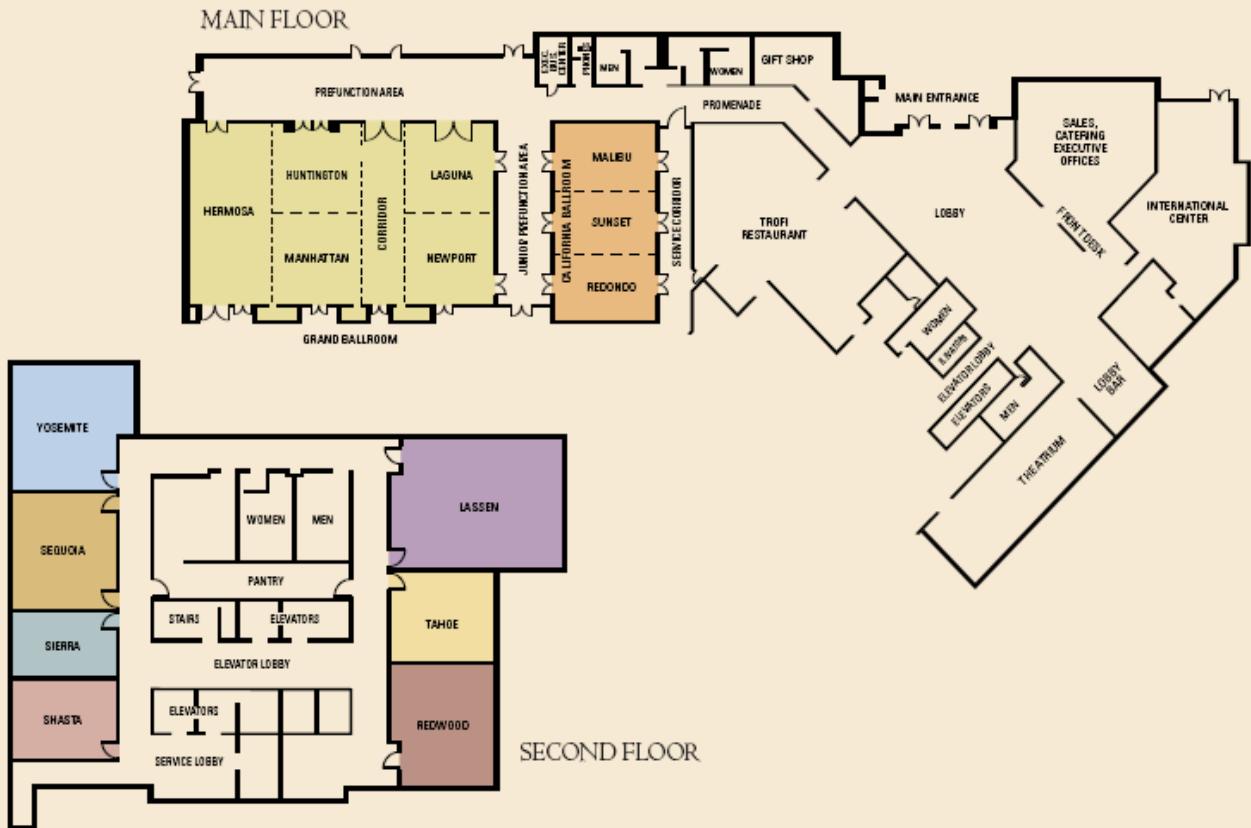
### **Call for presenters**

**Are you interested in  
Being a speaker at the next Fall or Spring  
CMC<sup>3</sup>'s conference?**

**Visit the CMC<sup>3</sup>'s  
website and click on the  
conference link then the speaker link**

**[www.cmc3s.org](http://www.cmc3s.org)**

# DOUBLETREE HOTEL ANAHEIM/ORANGE COUNTY



## Who's Who in CMC<sup>3</sup>-South

### CMC<sup>3</sup>-South Board and Conference Committee Members

**Past-President:** Carol Murphy

**President:** Patty George

**President-Elect:** Sherri Wilson

**Treasurer:** Mark Greenhalgh

**Secretary:** Miriam Castroconde

**Webmaster:** Rich Zucker

**Student Liaison:** Bob Crise

**Newsletter:** Paul Swatzel

**Membership Chair:** Hoat Le

**Contacts Coordinator:** Rod Elsdon

### Spring Conference

**Site Chair:** Art Nitta      **Exhibitors Chair:** Tammi Marshall      **Presiders Chair:** Maribel Lopez

### Liaisons

**AMATYC, MAA:** Bruce Yoshiwara

**CMC :** Patty George

### Members at Large

#### Central

Eduardo Arismendi-Pardi

#### North

Debby Wong

#### South

Sally VanDenBerg



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to improve their learning since 2001**

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[www.pearsonhighered.com/math](http://www.pearsonhighered.com/math)