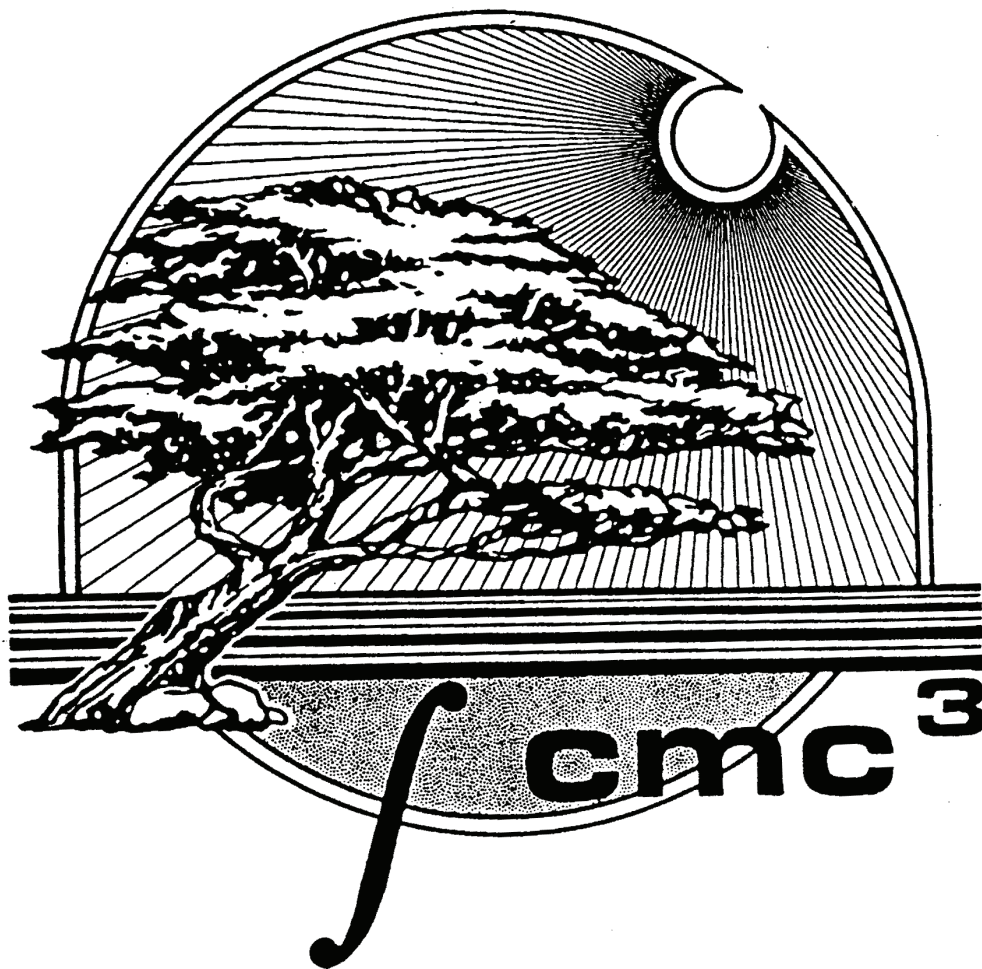


The California Mathematics Council, Community Colleges

38th Annual Fall Conference



December 10 - 11, 2010

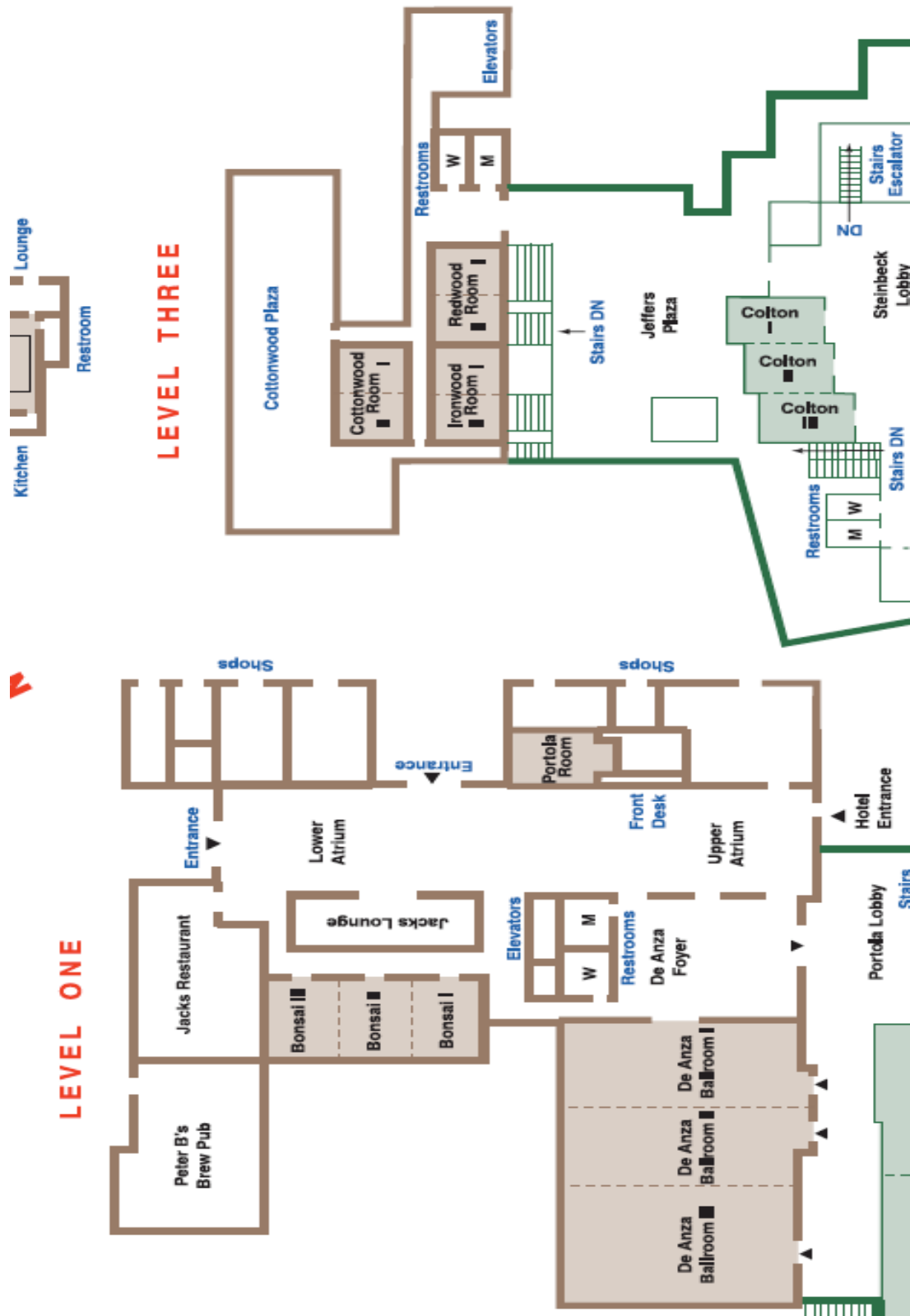
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SATURDAY'S OVERVIEW AND SESSIONS AT-A-GLANCE

7:30 a.m.	Estimation Walk/Run in Lobby	11:45 – 12:45 p.m.	Lunch in the Atrium
8:15 – 9:30 a.m.	Registration in Exhibit Area	12:45 – 2:15 p.m.	General Session in De Anza 3
*Student Poster Session: 9:30 a.m. to 4:00 p.m.			
9:00 – 10:00 a.m.	First Breakout Session	2:30 – 3:30 p.m.	Third Breakout Session
10:00 – 10:30 a.m.	Break	3:30 – 4:00 p.m.	Break
10:30 – 11:30 a.m.	Second Breakout Session	4:00 – 5:00 p.m.	Fourth Breakout Session
11:30 – 11:45 a.m.	Break	5:00 – 6:00 p.m.	Reception in the Exhibit Area

ROOM	9:00-10:00	10:30-11:30	2:30-3:30	4:00-5:00
Bonsai I (General Interest)	<i>Serving Students with Disabilities: Strategies for the Classroom</i> Sherri Messersmith College of DuPage	<i>Are We Speaking the Same Language?</i> Bob Prior Riverside Community College, NorCo	<i>Of Elephants, Fuzzy Digs, and Teaching Backwards: A Story About Making Your Course Engaging</i> Davis Sobecki Miami University, Hamilton	<i>The Mystery of Mohammed ibn Musa al-Khwarizmi</i> Dean Gooch Santa Rosa Junior College
Bonsai II (Potpourri)	<i>Is $0 = \pi = \infty$? A Tall Tale</i> Glenn Pico American River College	<i>What Helps Precalculus Students</i> Greg Perkins Hartnell College	<i>Teaching in Developmental Mathematics: A Faculty Collaborative Approach</i> Terrie Teegarden San Diego Mesa College	<i>Examples from Cardano's Ars Magna</i> John Thoo Yuba College
Bonsai III (Potpourri)	<i>Statewide Projects to Share with Your Colleagues and Your Students</i> Mission College	<i>Thirty "Boredom Busters"</i> David Ellenbogen Community College of Vermont	<i>AMATYC Project Access</i> Corrine Kirkbride Solano Community College	<i>Adjunct Sessions</i> Tracey Jackson And Panel
Cottonwood (Basic Skills Mathematics)	<i>Creating a Community of Learners to Improve Student Success</i> George Woodbury College of Sequoias	<i>Teaching Developmental Mathematics: It's Not Just About the Content</i> Lynn Marecek & MaryAnn Anthony Santa Ana College	<i>Mod, MAP, and ASAP: Course Redesign and Pierce College</i> Katherine Yoshiwara Los Angeles Pierce College	<i>Teaching Developmental Algebra to Underprepared Students</i> Ravin Pan CSU Sacramento
Redwood I (Calculus and Above)	<i>That About Sums It Up and Then Sum</i> Joel Siegel Sierra College	<i>What's So "Valuable" About Calculus, Anyway? (Why Finance ends in an "e")</i> Nicholas Gunther Investment Banking	<i>Geodesics on Regular Polyhedra</i> Dmitry Fuchs UC Davis	<i>Nuts and Bolts of Teaching Integral Calculus</i> Vladimir Logvinenko & Iaroslav Kryliouk
Redwood II (Technology)	<i>College Algebra in the Age of Wolfram Alpha</i> Sheldon Axler San Francisco State University	<i>I Know It's Out There Somewhere: Free Online Math Resources</i> Larry Green Lake Tahoe Community College	<i>Mathematical Software: Computational Crutch or Springboard to Greater Understanding</i> Wade Ellis West Valley College	No Session
Ironwood (Statistics)	<i>Teaching Students to Understand the Role of Data Collection in Statistical Inference</i> Robert Gould UCLA	<i>The Sequencing of Topics in Introductory Statistics</i> Kenneth Brown College of San Mateo	<i>Statistics Using SPSS</i> Steven Davis & Evelyn Davis CSU Los Angeles and Orange Co, Probation	No Session

The Portola Hotel and Spa



Saturday Reception in the Exhibit Area 5:00 P.M. - 6:00 P.M.

Please join the CMC³ Board and your colleagues for door prizes and post conference gathering.
38th Annual Fall Conference

Welcome to the 38th Annual Fall Conference! If this is your first CMC³ conference, we send you an even bigger welcome. Your board has been hard at work planning a fabulous program. We have some returning speakers, as well as new ones. If you are interested in getting involved with CMC³, please speak to one of the board members or fill out the bottom part of the evaluation. Have a great time and consider speaking or presiding next year.

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Mont. Speaker Chair:	Wade Ellis	Awards Coord:	Ekaterina Fuchs
Conference AV Specialist & Tahoe		AMATYC Liaison:	Marcella Laddon
Conference Chair:	Michael Eurgubian	Articulation Breakfast:	Steve Blasberg
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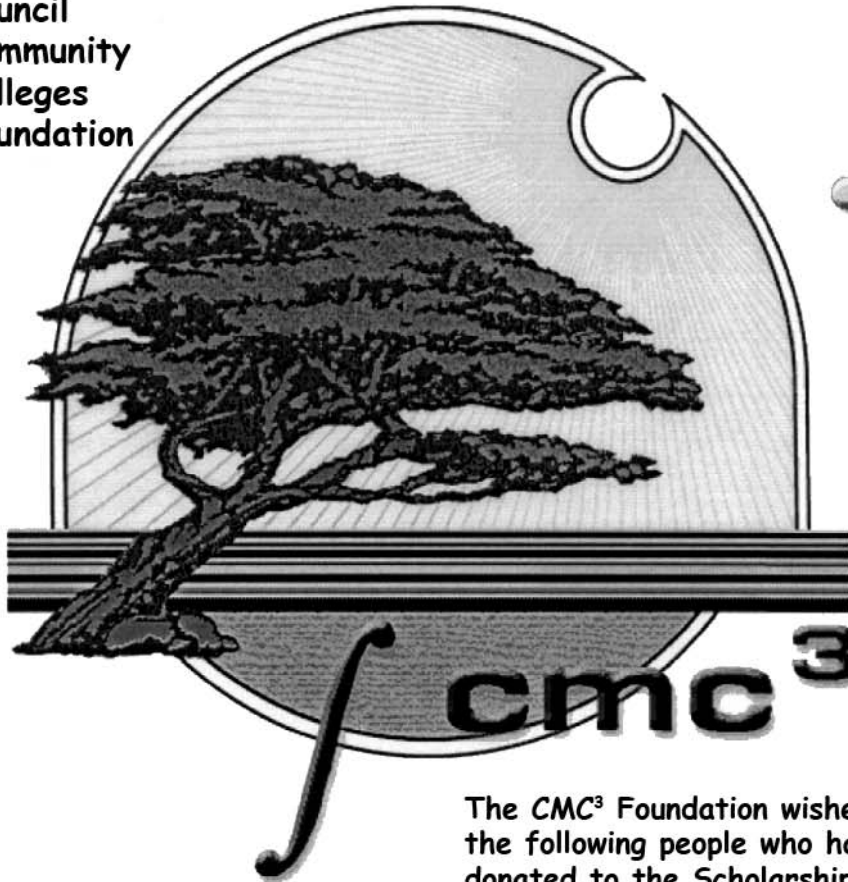
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1974 – 1977	Raymond Wuco	San Joaquin Delta College
1978 – 1980	Brandon Wheeler	Sacramento City College
1980 – 1981	Hal Andersen	Santa Rosa Junior College
1982 – 1983	Art Dull	Diablo Valley College
1984 – 1985	Pat Boyle	Santa Rosa Junior College
1986 – 1987	Shirley Trembley	Bakersfield College
1988 – 1989	Wade Ellis, Jr.	West Valley College
1990 – 1991	Denny Burzynski	West Valley College
1992 – 1993	Barry Wood	Santa Rosa Junior College
1994 – 1995	Debra Landre	San Joaquin Delta College
1996 – 1997	Chris Burditt	Napa Valley College
1998 – 1999	Michael Eurgubian	Santa Rosa Junior College
2000 – 2001	Lois Yamakoshi	Los Medanos College
2002 – 2003	Randy Taylor	Las Positas College
2004 – 2005	Rick Hough	Skyline College
2006 – 2007	Rob Knight	Evergreen Valley College
2008 – 2009	Larry Green	Lake Tahoe College
2009 – Present	Barbara Illowsky	De Anza College

CMC³ DISTINGUISHED SERVICE AWARD RECIPIENTS

1992	Ray Wuco	San Joaquin Delta College
1993	Frank Denney	Chabot College
	Wade Ellis Jr.	West Valley College
	Brandon Wheeler	Sacramento City College
1994	Patrick Boyle	Santa Rosa Junior College
	Arthur Dull	Diablo Valley College
1995	Hal Andersen	Santa Rosa Junior College
	Sister Clarice Sparkman	San Jose City College
1996	James Curl	Modesto Junior College
1997	Guy De Primo	City College of San Francisco
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1999	Barry Wood	Santa Rosa Junior College
2000	Denny Burzynski	West Valley College
2001	Chris Burditt	Napa Valley College
2002	Wei Jen Harrison	American River College
2003	Marilyn McBride	Skyline College
2004	Michael Eurgubian	Santa Rosa Junior College
2005	Lois Yamakoshi	Los Medanos College
2006	Debra Landre	San Joaquin Delta College
2007	Dave Johnson	Diablo Valley College
2008	Chris Barker	De Anza College
2009	Rick Hough	Skyline College

CMC³ PRESIDENT'S AWARD RECIPIENTS

2002	Barry Wood	Santa Rosa Junior College
2003	Chris Barker	De Anza College
2004	Noelle Eckley	Lassen College
2005	Barbara Illowsky	De Anza College
	Zwi Reznik	Fresno City College
2006	Sandi Nieto	Santa Rosa Junior College
2007	Randy Taylor	Las Positas College
2008	Mark Harbison	Sacramento City College
2009	Jim Spencer	Santa Rosa Junior College

CONFERENCE PROGRAM - FRIDAY

Registration: 2:30 - 6:30 p.m. Portola Hotel & Spa Lobby

Math Trivia Session: 3:00 - 6:30 p.m. Portola Room

Sponsored by McGraw-Hill Higher Education.

Reception: 7:00 - 9:00 p.m. De Anza III Room

Coffee and Tea will be enjoyed at the reception. Those not attending the reception are welcome to attend the talk at ~ 8:00 p.m.

~~~~~

## KEYNOTE SPEAKER

**John Martin**  
**Santa Rosa Junior College**



### A Piece of Pi

Presider: Barbara Illowsky, CMC<sup>3</sup> President  
De Anza College

Through the ages, the ratio of the circumference of a circle to its diameter, which we call  $\pi$ , has fascinated mathematicians and non-mathematicians alike. In this presentation we will explore the history, the mysteries, and the controversies surrounding this famous number. You'll also have the opportunity to win some fabulous prizes!

~~~~~

2nd Annual Pearson Education Game Night:

9:00 p.m. - 12:00 a.m. Bonsai Room

Sponsored by Pearson Higher Education. Drinks and Appetizers will be served.

FIRST SESSION: 9:00 A.M. – 10:00 A.M.

Bonsai I

Bonsai III

"Serving Students with Disabilities: Strategies for the Classroom"

Speaker: Sherri Messersmith
College of DuPage
sherri.messersmith@gmail.com

What are our obligations, and how can we help disabled students learn mathematics? I will discuss equal-access laws, types of disabilities, and strategies for helping students with disabilities learn mathematics in the classroom and online. Participants will leave with ideas and handouts for immediate use in their own classrooms.

Presider: Greg Daubenmire
Las Positas College

Bonsai II

Is $0 = \pi = \text{Infinity}$? A Tall Tale

Speaker: Glenn Pico
American River College
PicoG@arc.losrios.edu

We will look at several paradoxes starting with Gabriel's Horn and eventually come to unsettling result that zero is equal to π which is also equal to infinity and bagels that disappear in to the depths of three space. In an effort to figure it all out, we will explore sequences of functions, different types of convergence and conditions for which we can pull a limit inside an integral. Hopefully in the end the audience will see that certain results from calculus that had seemed intuitively obvious are really a leap of faith.

Presider: Sue Broxholm
Skyline College

"Statewide Projects to Share with Your Colleagues and Your Students"

Speaker: Ian Walton
Mission College
Ian@asccc.org

Come and learn about several statewide projects that might affect the preparation level of your students. The Academic Senates of UC, CSU and CCC (ICAS) have just jointly released a new Mathematics Competencies document that deserves to be shared widely with students and colleagues. And our system is creating a statewide mathematics assessment mechanism. Let's discuss implementing this at your college and how to tie it with placement and skill remediation. Also hear about two statewide Research Group projects (BRIC and Basic Skills).

Presider: Tracey Jackson

Cottonwood

"Creating a Community of Learners to Improve Student Success"

Speaker: George Woodbury
College of Sequoias
georgew@cos.edu

You can increase your students' chances for success by creating a community in your class. The speaker will share his experiences and techniques for increasing the sense of community, both inside and outside the classroom. These techniques can be applied at the developmental and transfer level.

Presider: Janhavi Joshi
De Anza College

"That About Sums It Up and Then Sum"

Speaker: Joel Siegel
Sierra College
joelsiegel@ymail.com

Starting with Euler's method for summing integers we explore a number of different techniques become surprisingly interesting versatile and even exotic. We conclude with some conjectures on sums.

Presider: John Thoo
Yuba College
jthoo@yccd.edu

Redwood II

"College Algebra in the Age of Wolfram Alpha"

Speaker: Sheldon Axler
San Francisco State University
axler@sfsu.edu

How should the new easy-availability of symbolic processing programs influence what we teach in college algebra? How will symbolic processing programs that can show the steps used in a computation change the way instructors assign and grade homework? This talk will discuss and illustrate possible answers to these questions.


Presider: Rebecca Fouquette
Santa Rosa Junior College

"Eat Less Salt, Drink More Wine, Dump the Cell Phone, Eat More Salt, and Live Longer: Teaching Students to Understand the Role of Data Collection in Statistical Inference"

Speaker: Robert Gould
UCLA
rgould@stat.ucla.edu

Data collection, the design (or lack of design) of experiments, is often overlooked in introductory statistics because it is foreign to our mathematical training. Yet data collection can provide a topical and interesting approach to teaching and motivating the difficult concept of statistical inference. We'll examine the role that data of all kinds can play to help students understand inference.

Presider: Charles (Chuck) Barnett
Las Positas College



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We hope to see you at the booth!

SECOND SESSION: 10:30 A.M. – 11:30 A.M.

Bonsai I

"Are We Speaking the Same Language?"

Speaker: Bob Prior
Riverside Community College, Norco
bob.prior@rcc.edu

Speaking the language of mathematics begins with understanding its vocabulary, yet not all dictionaries are created equal. Explore the definitions of common mathematical terms and help answer the question, "Is it too late to create new mathematical terms?"

Presider: Bic Ha Dovan
Santa Rosa Junior College

Bonsai II

"What Helps Precalculus Students Succeed?"

Speaker: Greg Perkins
Hartnell College
gsperk@sbcglobal.net

After being frustrated by high attrition rates in Precalculus for many years, I began to use alternate teaching methods such as Video Podcasts, ALEKS and Math Academy successfully. I have tracked the results and will share the materials and some thoughts about what works and why.

Presider: Wade Ellis
West Valley College

Bonsai III

"Thirty Boredom Busters"

Speaker: David Ellenbogen
Community College of Vermont
pianomath@gmail.com

The typical course has 15 to 45 class meetings. By using a combination of personal anecdotes, humor, real-world applications, and brief classroom activities, each class can include something memorable. This talk includes 30 examples that have been successfully used to break the monotony that can inhabit the math classroom.

Presider: Ray Wuco
San Joaquin Delta College

Cottonwood

"Teaching Developmental Mathematics: It's Not Just About the Content!"

Speakers: Lynn Marecek & Mary Anne Anthony
Santa Ana College
marecek_lynn@sac.edu Messersm@cod.edu

Do you find teaching developmental math at times difficult and overwhelming? Do your students have so many weaknesses that it is hard to teach the math? Learn about a class model whose proactive approach can provide students with the support and strategies they need for success.

Presider: Andrew Phelps
De Anza College

PLEASE VISIT PRESENTATIONS BY THE FOLLOWING MCGRAW-HILL AUTHORS

"The Sequencing of Topics in Introductory Statistics"

Speaker: Kenneth Brown
College of San Mateo
brownkm@smccd.edu

In 2001, Beth Chance and Allan Rossman published a paper called "Sequencing Topics in Introductory Statistics: A Debate on What to Teach When" (The American Statistician, 55: 140 -144, 2001). As it has been nearly ten years since the paper was published, it is worthwhile revisiting the arguments in light of what we, as practicing teachers using a variety of materials, are actually doing, and discussing them amongst ourselves. In particular, we want to consider ways to vary the sequence given that a teacher is using a particular text or teaching materials. It is also worthwhile considering (and discussing) additional aspects of the sequencing of topics that were not discussed by Chance and Rossman, such as the treatment of probability. The discussion will also consider proposals subsequent to the Chance and Rossman paper (e.g. Malone et al, "Resequencing Topics in an Introductory Applied Statistics Course" (The American Statistician, 64: 52-58, 2010).

"Serving Students with Disabilities: Strategies for the Classroom"

SHERRI MESSERSMITH
First Session: 9:00 - 10:00 A.M.

"Of Elephants, Fuzzy Dogs, and Teaching Backwards: A Story About Making Your Course Engaging"

DAVE SOBECKI
Third Session: 2:30 - 3:30 P.M.

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"What's So Valuable About Calculus, Anyway? (Why Finance Ends in an e.)"

Speaker: Nicholas Gunther
Investment Banking
nlgunther@gmail.com

Math students often wonder about the practical value of mathematics to them in their future lives, and sometimes doubt its relevance in fields outside of hard science and engineering. In fact, the importance of mathematics to diverse fields has grown substantially in recent years. One notable example is modern finance. By way of illustration, financial valuation is now consistently expressed through exponentiation to the base e , representing continuous compounding. The importance of exponentiation, and the natural logarithmic base, extends much deeper. The currently preferred model of financial asset dynamics is based on "exponential martingales." This model explains, for example, why investors are unlikely to "beat the market".

Presenter: Debra Van Sickle
Sacramento City College

Please visit our website at
www.cmc3.org
to find:

- Updated Conference Info
- CMC³ Newsletters
- Speaker Proposal Forms
- Presenter Proposal Forms
- Other CMC³ Information

"I Know It's Out There Somewhere: A Tour of Free Online Math Resources"

Speaker: Larry Green
Lake Tahoe Community College
GreenL@ltcc.edu

The speaker will give a virtual tour of many of the outstanding free tools for mathematics that are available online: videos, tutorials, animations, games, and math creation applets will be explored. Included will be a discussion by the presenter and attendees of how to most effectively incorporate these tools in classes from Pre-algebra to Differential Equations.

Presenter: Wade Ellis
West Valley College



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LUNCH 11:45 A.M. – 12:30 P.M.

Italian Luncheon Buffet in the Atrium

Four salads including tossed Caesar, tomato mozzarella and basil salad, antipasti salad, and marinated artichokes, vegetarian lasagna, chicken parmesan, fresh vegetables, garlic bread, cannoli, tiramisu, cheesecake, coffee, decaffeinated coffee, tea, iced tea, and lemonade.

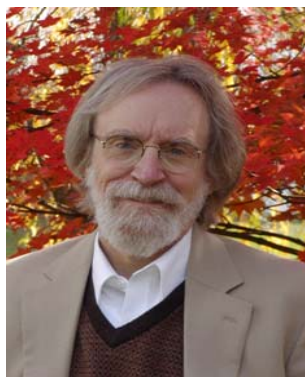
GENERAL SESSION & KEYNOTE 12:45 P.M. – 2:15 P.M.

**General Session: 12:45 p.m. – 1:15 p.m. Announcements and CMC3 Awards
De Anza III** Barbara Illowsky, CMC³ President

Keynote Presentation: 1:15 p.m. – 2:15 p.m.

KEYNOTE SPEAKER

**William Dunham
Muhlenberg College**



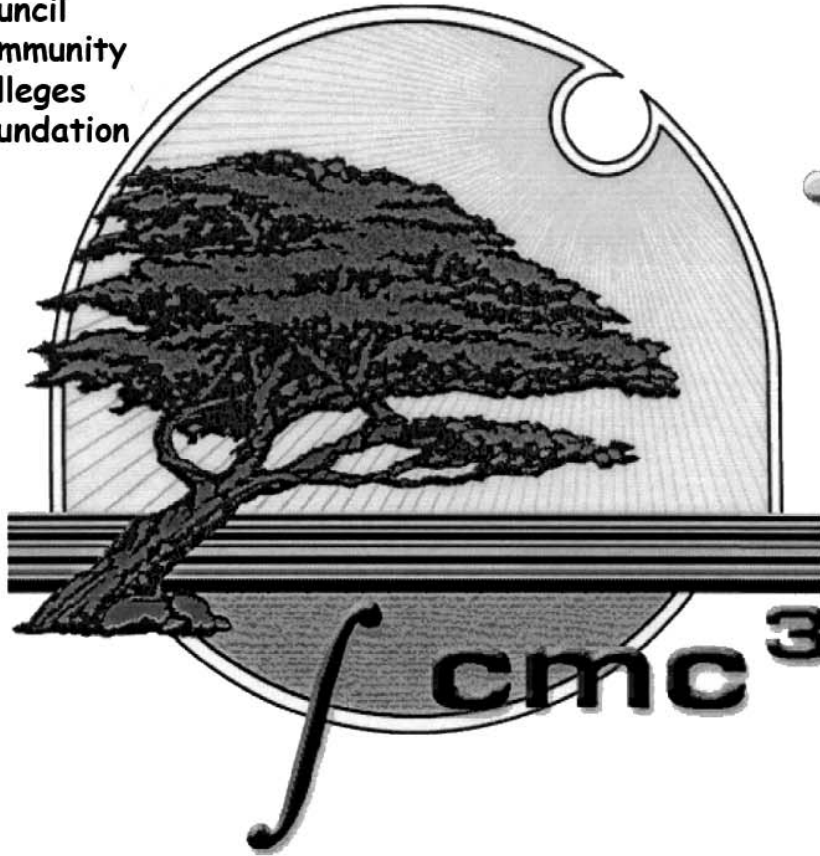
Two Morsels from Euler

President:
Susanna Crawford,
Conference Chair

Over his illustrious career, Leonhard Euler (1707 - 1783) proved the Euler Identity, established the Euler Polyhedral Formula, and solved the Basel Problem - results that can be seen as the "main courses" of his mathematical banquet. But he also cooked up some "side dishes" - i.e., discoveries of lesser significance which nonetheless illustrate his brilliance as well as anything.

In this talk, we consider a pair of these morsels. One is from the realm of simple algebra, where Euler managed to factor a seemingly irreducible 4th-degree polynomial that had stumped Nicholas Bernoulli. The other is from the realm of number theory, where Euler sought four different whole numbers, the sum of any *pair* of which is a perfect square. The numbers he found - namely 18530, 38114, 45986, and 65570 - suggest how keen his mathematical ability was. By following Euler's reasoning in these two examples, I hope to demonstrate that seeing genius in action is the best way to appreciate it.

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George Woodbury

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THIRD SESSION: 2:30 P.M. – 3:30 P.M.

Bonsai I

"Of Elephants, Fuzzy Dogs, and Teaching Backwards: A Story About Making Your Course Engaging"

Speaker: David Sobecki
Miami University, Hamilton
dsobecki@cinci.rr.com

Traditionally, we have saved applications until students have practiced the math needed to solve problems. This may be mathematically sound, but it's not engaging for the student, and gives them the impression that most of math is abstract. I propose a backward approach: using relevant applications to introduce and motivate the math.

Bonsai II

"Teaching in Developmental Mathematics: A Faculty Collaborative Approach"

Speaker: Terrie Teegarden
San Diego Mesa College
tteegard@sdccd.edu

Faculty collaboratives across the state have been collecting a variety of activities, resources, teaching tools and more. Learn what is available to you and how you can get involved with sharing and adapting promising practices with your colleagues. Participants will be asked to give suggestions for other promising resources to be included in the data base.

Presenter: Jay Lehman
College of San Mateo

Bonsai III

"AMATYC Project ACCESS"

Speaker: Corrine Kirkbride
Solano College
corrine.kirkbride@solano.edu

AMATYC Project ACCESS is a mentoring and professional development initiative for two-year college mathematics faculty sponsored by the American Mathematical Association of Two-Year Colleges (AMATYC). The goal of the project is to facilitate current and continued professional growth for a cadre of two-year college mathematics faculty. The development, implementation, and evaluation of a project will be a component of each Fellow's professional development experience. The speaker will discuss her experiences with Project ACCESS.



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"Geodesics on Regular Polyhedra"

Speaker: Dmitry Fuchs
UCD
fuchs@math.ucdavis.edu

The word geodesics come from differential geometry: this is a curve on a given surface which provides the shortest path between its sufficiently close points. We will consider a seemingly simplest case: geodesics on a polyhedral surface. A point and an initial direction determine a whole geodesic (well, we need to assume that we never arrive at a vertex). Is it possible that a geodesic is closed, that is, after some time, starts repeating itself? Surprisingly, almost nothing is known about that. But there is one case, when we know a lot: the case when the polyhedron is regular (a tetrahedron, a cube, an octahedron, an icosahedron, or a dodechedron). I will address this exciting geometric subject, and even if you do not like it, you will admire the beautiful pictures I am going to demonstrate.

Presider: Ekaterina Fuchs
San Francisco City College

Ironwood

"Statistics Using SPSS"

Speaker: Steven Davis, CSU Los Angeles
Evelyn Davis, Orange County Probation
sdcomet900@att.net

SPSS is statistical software used in the business world to calculate statistics. Thus it is very beneficial for students to learn statistics with the SPSS software. We will demonstrate the power of statistics with SPSS and let participants interact on the use of the software.

"Mathematical Software: Computational Crutch or a Springboard to Greater Understanding?"

Speaker: Wade Ellis
West Valley College
wellis@ti.com

Many instructors consider computer packages like Mathematica, Maple and TI-Nspire as a useful (though sometimes harmful) computational assistant. More recently these packages have become much more flexible and capable. Mathematics instructors have begun to use them to develop documents that provide students with the opportunity to purposely act on mathematical objects and transparently observe the consequences of their actions. Such experiences lead to lively classroom discussions that can produce greater student understanding. Several examples of such action-consequence documents and their associated inquiry questions will be presented and discussed.

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MDTP tests measure readiness for mathematics courses and are approved for use by California Community Colleges until 2012

- 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 on-line practice tests available to anyone with Internet access. Students can use the on-line tests to help prepare for precalculus and calculus level courses.
<http://mdtp.ucsd.edu/OnlineTests.shtml>

For more information, contact
MDTP's California Community College Coordinator
MaryAnne Anthony at (714) 564-6646
or e-mail to cccmdtp@attglobal.net
<http://mdtp.ucsd.edu>

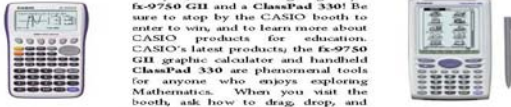
Cottonwood

“Mod, MAP, and ASAP: Course Redesign at Pierce College”

Speaker: Katherine Yoshiwara
LA Pierce College
kyoshiwara@hotmail.com

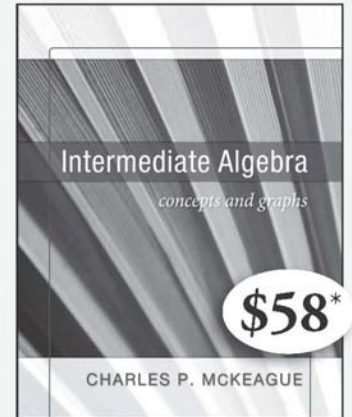
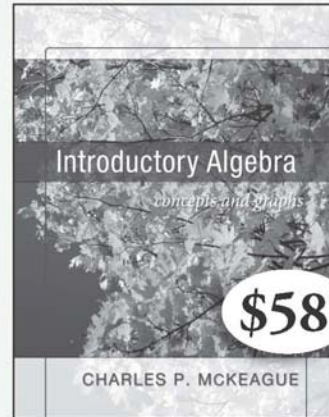
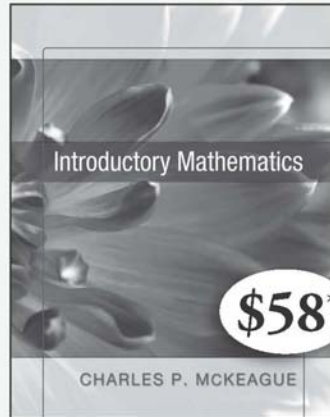
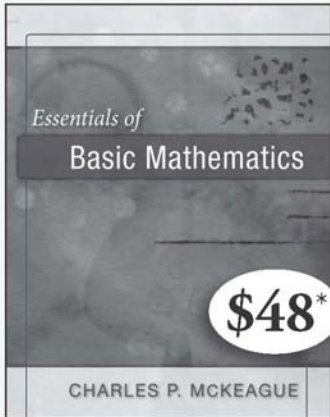
Following the guidelines of the California Basic Skills Initiative, Pierce is offering three new developmental courses: a module-based elementary algebra, an activity-based intermediate algebra, and a one-semester combined elementary/intermediate. The presenter will give a progress report, highlighting successes and remaining challenges. Audience discussion and feedback will be solicited.

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FOURTH SESSION: 4:00 P.M. – 5:00 P.M.

Bonsai I

"The Mystery of Mohammed ibn Musa al-Khwarizm"

Speaker: Dean Gooch
Santa Rosa Junior College
dgooch@santarosa.edu

This talk is about the man who is credited with writing the first algebra book, Mohammed ibn Musa al-Khwarizmi. The questions that I wish to address and partially answers are: Who was Mohammed ibn Musa? What were his influences? Where did come from?

Bonsai II

"Examples from Cardano's Ars Magna"

Speaker: John Thoo
Yuba College
jthoo@yccd.edu

The solutions of the cubic equation and of the quartic equation were milestones in the history of algebra, and were certainly pinnacle achievements in mathematics during the Renaissance. I will present a whirlwind tour of the history of algebra: problems leading to algebra; equations and algorithms; the theory of equations; and modern algebra. A good portion of the talk will be spent presenting examples of solving the cubic equation, from Cardano's "Ars magna", and showing how the solution of the cubic, and not the quadratic, led to a serious study of complex numbers for the first time.

CSU/UC Mathematics Diagnostic Testing Project

MDTP tests measure readiness for mathematics courses and are approved for use by California Community Colleges until 2012

- 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 on-line practice tests available to anyone with Internet access. Students can use the on-line tests to help prepare for precalculus and calculus level courses.
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For more information, contact
MDTP's California Community College Coordinator
MaryAnne Anthony at (714) 564-6646
or e-mail to cccmdtp@attglobal.net
<http://mdtp.ucsd.edu>

Bonsai III

"Adjunct Session"

Speakers: Tracey Jackson & Panel
tkk.jackson@yahoo.com

A panel discussion on the tenure-track hiring process, which may be of interest to those seeking full-time positions.

Cottonwood

"Teaching Developmental Algebra to Underprepared Students"

Speaker: Ravin Pan
CSU Sacramento
panr@saclink.csus.edu

The presenter will demonstrate an algebraic approach that he has been using as a former Detroit Public teacher and now as a professor for the Learning Skills Center at CSU-Sacramento. The presenter will show mathematical tasks, transcripts, and students' works from Detroit and students' works from CSU-Sacramento.

Redwood I

"Nuts and Bolts of Teaching Integral Calculus"

Speakers: Vladimir Logvinenko, De Anza College
Iaroslav Kyrliouk, De Anza College
logvinenkovladimir@deanza.edu
kyrioukiukiaraslav@deanza.edu

In the more or less Socratic modem we show how to enhance the delivery of some traditional topics of Integral Calculus. We also present several little known connections between Integral Calculus and other branches of Mathematics and some new applications

Presider: Joseph Conrad
Solano College



New This Year at CMC³ in Monterey: **Student Poster Session**

Please take a look at the student posters in the Exhibit Area throughout the conference.

Students will be available to answer questions about their posters from
12:30 pm – 12:45 pm.

Also please remember there will be a **Reception and Prizes**

5:00 pm – 6:00 pm.
In the Exhibit Hall Area

Please enjoy food, drawings, and our annual Foundation prizes!

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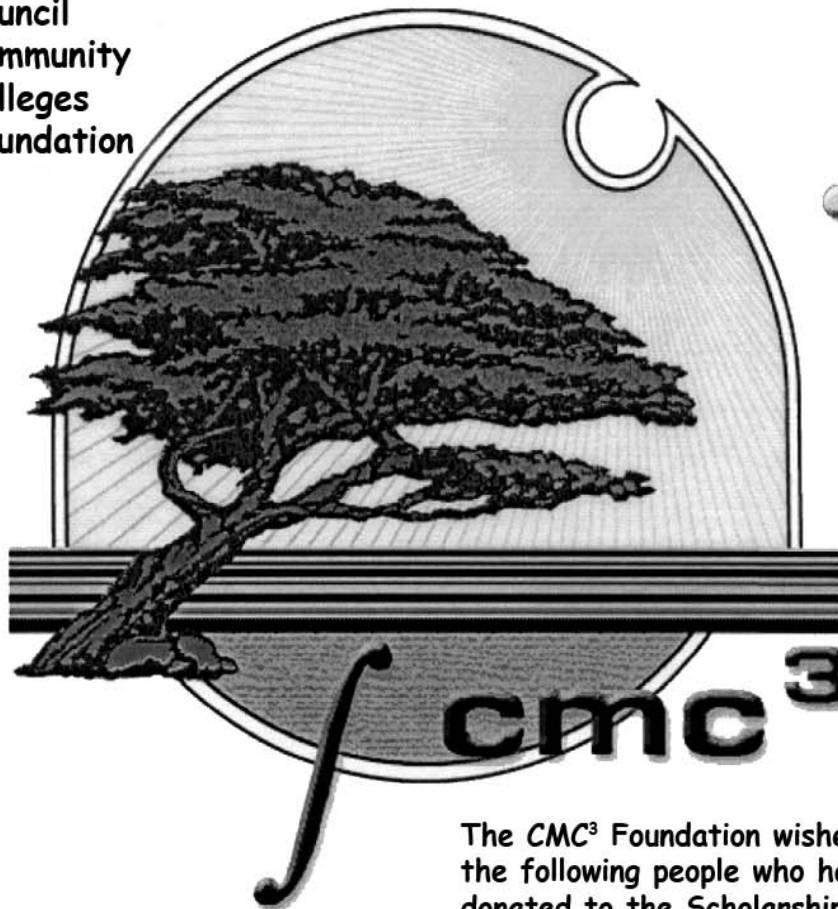
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The CMC³ Foundation is annually providing several dozen scholarships to honor our mathematics and science students and we need your financial help. We rely on your generosity and donations to fund the Scholarship Program. Please consider making a donation to our CMC³ Foundation Scholarship Fund. Contributions are tax deductible as provided by law and our tax ID Number is 94-3227552.

Kindly mail your donation to The CMC³ Foundation Scholarship Program, C/O Professor Jim Spencer, Mathematics Department, Santa Rosa Junior College, 1501 Mendocino Avenue, Santa Rosa, California 95401.

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April 29 - April 30, 2010

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For information contact:

Michael Eurgubian, Conference Chair

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