<table>
<thead>
<tr>
<th>Time</th>
<th>Saturday Sessions</th>
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<tbody>
<tr>
<td>9:00 - 10:00 am</td>
<td>Students and Shortages &lt;br&gt; Cliff Nelson &lt;br&gt; College of Marin &lt;br&gt; Presenter: Mai-Genu Johnson, Sacramento City College</td>
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<tr>
<td>10:30 - 11:30 am</td>
<td>Responding to Disruptive Student Behavior: Experiencing Common to Math Instructors &lt;br&gt; Lalu Simck &lt;br&gt; Cabrillo College &lt;br&gt; Presenter: Kristin Jarzabowski, Foothill College</td>
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<tr>
<td>2:30 - 3:30 pm</td>
<td>Teaching Math or Stat Online? Building a Community for Faculty &lt;br&gt; Barbara Ilowsky &lt;br&gt; De Anza College &lt;br&gt; Presenter: Susan Low, Mission College</td>
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<tr>
<td>4:00 - 5:00 pm</td>
<td>Get Your All ACCESS Pass! &lt;br&gt; Leslie Banta &lt;br&gt; Mendocino College</td>
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<td>The MAA-CSPCC Study: Two-Year Colleges Findings &lt;br&gt; Helen Burn &lt;br&gt; Highline College &lt;br&gt; Presenter: Bi-Ha DoVan, Santa Rosa College</td>
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<td>Mathematics in Non-Mathematics Classes &lt;br&gt; Larry Green &lt;br&gt; Lake Tahoe Community College &lt;br&gt; Presenter: Wade Ellis, West Valley College</td>
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<td>Flipping the Gradebook: Concept-Based Grading &lt;br&gt; Phil Smith &lt;br&gt; American River College &lt;br&gt; Presenter: Frederick Ted, City College of San Francisco</td>
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<td>Learning to Learn in Developmental Mathematics Courses &lt;br&gt; Wade Ellis &lt;br&gt; West Valley College &lt;br&gt; Presenter: George Woodbury, College of the Sequoias</td>
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<td>The Importance of Discovery and Reflection in Developmental Mathematics &lt;br&gt; George Woodbury &lt;br&gt; College of the Sequoias &lt;br&gt; Presenter: Elizabeth Owens, Los Positas College</td>
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<td>Making Sense of Solving Linear and Quadratic Equations with Mapping Diagrams &lt;br&gt; Martin Flashman &lt;br&gt; Humboldt State University &lt;br&gt; Presenter: Lisa Nussendorf, Napa Valley College</td>
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<td>Innovation = Inspiration = Math Academy = Student Success &lt;br&gt; Ken Rand, Johnny Perez &lt;br&gt; Hartnell College &lt;br&gt; Presenter: Amy McLanahan, City College of San Francisco</td>
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<td></td>
<td>Teaching Differential Equations the SIMODE Way &lt;br&gt; John Thoo &lt;br&gt; Yuba College &lt;br&gt; Presenter: Shawn Lantier, Woodland Community College</td>
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<td>Using Math Symmetry Operations to Solve a Problem in Elementary Physics &lt;br&gt; Marc Frodyma, Sandy Rosas &lt;br&gt; San Jose City College</td>
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<td>Yes, You Can Make the Whole Math Class Tweet! &lt;br&gt; Linda Hoang &lt;br&gt; Cerritos River College &lt;br&gt; Presenter: Bi Nguyen, Fresno Lake College</td>
</tr>
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<td>Reclaiming Comp Sci with Stroustrup’s Programming Principles and Practices &lt;br&gt; Geoff Hagopian &lt;br&gt; College of the Desert &lt;br&gt; Presenter: John Smith, Santiago Canyon College</td>
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<td>Best Practices in Using Social Media in the Mathematics Classroom &lt;br&gt; Howard Blumenfeld &lt;br&gt; Las Positas College &lt;br&gt; Presenter: David Powers, Las Positas College</td>
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<td>Creating an iPad Classroom for Redesign and Innovation &lt;br&gt; Lynn Marecek &lt;br&gt; Santa Ana College</td>
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<td>What’s the Big Deal with BIG Data? The Rising Importance of Training New Data Scientists &lt;br&gt; Robin Donatello &lt;br&gt; California State University Chico &lt;br&gt; Presenter: James Sullivan, Sierra College</td>
</tr>
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<td>Using Student Stats to Verify Meanings of a Confidence Coef. and Level of Significance &lt;br&gt; Gene Sellers &lt;br&gt; Sacramento City College &lt;br&gt; Presenter: Kevin Oliver, San Joaquin Delta College</td>
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<td>Did You Sample the Relevant Population? Subtitle: Why Are Handsome Men Such Jerks? &lt;br&gt; Charles S. Barnett &lt;br&gt; Las Positas College &lt;br&gt; Presenter: Jay Lehman, College of San Mateo</td>
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**Friday Keynote**<br>7 - 9 pm<br>Regency IV-VI<br>**Special Event:** Ignite!<br>Five-Minute Presentations by a Great Variety of Speakers on a Great Variety of Topics!<br>Presenter: Mark Harbison, Sacramento City College

**Saturday Keynote**<br>1:00 - 2:15 pm<br>Regency Ballroom<br>**CMC³ Monterey, 2015**

**Erica Flapan**<br>Pomona College<br>Joe Conrads, Solano College
Welcome to the 43rd Annual Fall Conference!

The event organizers are people just like you from various community college mathematics departments across Northern California. We are always looking for more eager volunteers with new ideas. Please consider getting involved with CMC³ by contacting a board member any time. Enjoy the conference!

The California Mathematics Council Community Colleges Foundation annually provides scholarships to honor our mathematics and science students. 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. Our tax ID # is 94-3227552.

Please donate in-person at the Foundation table!
CMC³ Board and Conference Committee

President: Mark Harbison
Past-President: Susanna Gunther
Pres.-Elect (Conf. Chair): Joe Conrad
Treasurer (Student Posters): Rebecca Fouquette
MAA Liaison: Wade Ellis
Tahoe Speaker Chair: Mark Harbison
A/V Co-chair: Larry Green
A/V Co-chair: Steve Blasberg*
Membership Chair: Kevin Brewer

Business Liaison: Dean Gooch*
Newsletter Editor (Est. Walk/Run): Jay Lehmann
Secretary: Tracey Jackson
Awards Coordinator: Katia Fuchs*
Web Page Manager: Larry Green
Articulation Breakfast: Steve Blasberg*
Foundation President: Debbie Van Sickle
Foundation Member: Karl Ting
Foundation Member: Danny Tran

*At-Large Board Members

CMC³ Presidents

1973 – 1974  James Curl  Modesto Junior College
1974 – 1977  Raymond Wuco  San Joaquin Delta College
1978 – 1979  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 Community College
2010 – 2011  Barbara Ilowsky  De Anza College
2012 – 2013  Susanna Gunther  Solano Community College
2014 – 2015  Mark Harbison  Sacramento City College
2016 – 2017  Joseph Conrad  Solano Community College

Past CMC³ President's Awardees (selected by the CMC³ President)

2002  Barry Wood  Santa Rosa Junior College
2003  Chris Barker  De Anza College
2004  Noelle Eckley  Lassen College
2005  Barbara Ilowsky  De Anza College
         Zwi Reznik  Fresno City College
2006  Sandi Nieto  Santa Rosa Junior College
2007  Randy Taylor  Las Positas College

43rd Annual Fall Conference
Past CMC³ President’s Awardees (Continued)

2008  Mark Harbison  Sacramento City College
2009  Jim Spencer  Santa Rosa Junior College
2010  Robert Knight  Evergreen Valley College
2011  Larry Green  Lake Tahoe Community College
2012  Michael Eurgubian  Santa Rosa Junior College
2013  Ken Seydel  Skyline College
2014  Rebecca Fouquettte  De Anza College

Past CMC³ Distinguished Service Awardees (selected by the CMC³ board)

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
1998  Allen Utterback  Cabrillo College
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
2010  Jim Spencer  Santa Rosa Junior College
2011  Randy Taylor  Las Positas College
2012  Cynthia Speed  Mendocino College
2013  Rob Knight  Evergreen Valley College
2014  Barbara Illowsky  De Anza College
2015  Noelle Eckley  Lassen Community College

Noelle Eckley teaches math at Lassen College. Born and raised in San Francisco’s Mission District, Noelle wanted to be a math teacher from age 14. Her roots were blue collar; one grandfather was a range cook on cattle drives. Noelle attended Lowell High School, went to S.F. State University, earning a B.A. and M.A. in mathematics.

Noelle visited India, the Middle-East, Canada, Mexico, and spent two summers in Hawaii. She danced Polynesian-style, performing at the World’s Expo in Spokane. She enjoys backpacking and sailing.

Noelle sees teaching math as a way to repay what public education has given her; helping students achieve their goals in a region that is economically challenged.

Noelle joined CMC³ in 1992, served on the executive board for 10 years as Campus Rep., Business Liaison/Exhibitor Chair and helped put on 15 conferences. The current CMC³ Board congratulates Noelle on this recognition and thanks her for her years of valued service!
4:30 - 6:30 pm  Registration  Regency Foyer

7:00 - 8:00 pm  Dessert Reception  Regency IV - VI

8:00 - 9:00 pm  Ignite!  Regency IV - VI

**Five-Minute Speedy Presentations**
The “Ignite” motto: Enlighten us, but make it quick!

<table>
<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>AMATYC Student Math League Competition: A Great Problem-Solving Activity for Students</td>
<td>Steve Blasberg</td>
<td>West Valley College</td>
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<tr>
<td>Teaching a Prestatistics Course: Propelling Non-STEM Students Forward</td>
<td>Jay Lehmann</td>
<td>College of San Mateo</td>
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<tr>
<td>Setting the Beat in Statistics: TANGO</td>
<td>Monica Dabos</td>
<td>College of the Canyons</td>
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<tr>
<td>Where Are They Now?</td>
<td>Debbie Van Sickle</td>
<td>Sacramento City College</td>
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<tr>
<td>Education Behind Bars: Teaching Math to Incarcerated Students</td>
<td>Bruce Armbrust</td>
<td>Lake Tahoe Community College</td>
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<td>Building Community with the OEI</td>
<td>Larry Green</td>
<td>Lake Tahoe Community College</td>
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<tr>
<td>The Supreme Awesomeness of the Order of Operations</td>
<td>Denny Burzynski</td>
<td>College of Southern Nevada</td>
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<tr>
<td>Ignite the WOW</td>
<td>Karl Ting</td>
<td>Mission College</td>
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<tr>
<td>Solving Equations Visually: Functions &amp; Mapping Diagrams</td>
<td>Martin Flashman</td>
<td>Humboldt State University</td>
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<tr>
<td>How Open Licensing Brings on Innovation</td>
<td>Barbara Illowsky</td>
<td>De Anza College</td>
</tr>
</tbody>
</table>

9:00 pm - 9:30 pm  Reception for Travel Grant Awardees, Their Mentors and Campus Reps

*Come and meet other grantees, mentors and campus reps!*

9:00 pm – Midnight  Windjammer Room

7th Annual **Pearson Education** Game Night

*This event is open to everyone. The Pearson Math & Stats team invites you to an evening of games, hors d’oeuvres, and drinks at the CMC³ Monterey Conference! Join our team and our authors for food, conversation, and fun.*

9:00 pm – 1:00 am  Free shuttle downtown  Front Entrance of Hotel Lobby
## CONFERENCE PROGRAM - SATURDAY

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30 am</td>
<td>Estimation Walk/Run</td>
<td>Meet by the Front Desk</td>
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<tr>
<td>8:15 am – 10:00 am</td>
<td>Registration</td>
<td>Regency Foyer</td>
</tr>
<tr>
<td>8:30 am – 1:00 pm, 2:00 pm – 5:15 pm</td>
<td>Exhibits open</td>
<td>Regency Foyer</td>
</tr>
</tbody>
</table>

### First Session: 9:00 - 10:00 am

**Regency I** (General Interest)

**Cliff Nelson**

*College of Marin*

*cnelson@marin.edu*

**Students and Shortages**

In this talk, I will share some tricks I’ve learned that make teaching more efficient. I will include a formula that will allow teachers to come up with two rational expressions that add to another rational expression in which the numerator and denominator have a common factor. Afterwards, I will focus on economics and explore why markets naturally drift towards the equilibrium point as well as what causes shortages and surpluses. Teachers will learn about how the economics we teach in math classes differs from that which students learn in economics classes.

**Regency II** (Issues and Panel)

**Helen Burn**

*Highline College*

*hburn@highline.edu*

**The MAA-CSPCC Study: Two-Year Colleges Findings**

Understanding how institutions manage to keep students in the calculus track is an issue of national importance. This was the impetus behind the study of Characteristics of Successful Programs in College Calculus undertaken by the MAA. This session presents findings from the two-year colleges included in the national study.

**Regency III** (Developmental Ed.)

**Martin Flashman**

*Humboldt State University*

*flashman@humboldt.edu*

**Making Sense of Solving Linear and Quadratic Equations with Mapping Diagrams**

Solving linear and quadratic equations with algebra is often taught with algorithms that are not connected to functions or a visualization. I will demonstrate how using mapping diagrams to visualize functions can connect and make more sense of these algorithms.

**Regency IV** (Precalculus and Above)

**Tim Melvin**

*Santa Rosa Junior College*

*tmelvin@santarosa.edu*

**The Limit of Humanly Knowable Mathematical Truth, Gödel’s Incompleteness Theorems, and Artificial Intelligence**

In 1931, Kurt Gödel published one of the most infamously not-famous (enough) works in mathematics: his incompleteness theorems. During this talk we will explore the history behind his incompleteness theorems, the ideas behind them, and how they relate to artificial intelligence and the limits of humanly knowable mathematics.
Regency V

(L Technology)

Linda Hoang
Cosumnes River College
hoangl@crc.losrios.edu

Yes, You Can Make the Whole Math Class Tweet!

You have probably brought your math class outside for a physical excursion. How about bringing your class to the cyber land? Most students tweet, so why not let them tweet about their awesome math class?

Regency VI

(Statistics)

Robin Donatello
California State University Chico
rdonatello@csuchico.edu

What's the Big Deal with BIG data? The Rising Importance of Training New Data Scientists

This talk is designed to fill in some knowledge gaps about what big data, data science, and data analytics are. I will discuss why there is a need for strong computational ability when dealing with real BIG Data. I will discuss why Data Science is interesting and important, and cover some of the skills that are needed for students to be able to derive valuable information from data. I will summarize various Data Science/Analytic programs across the country, and want to engage the audience in discussion as to how we can rethink or redesign the way we teach our introductory classes to best prepare students to enter higher level degree programs in these computationally and mathematically heavy fields.

Reminders:

8:30 am - 1:00 pm and 2:00 pm - 5:15 pm
Exhibits open
Regency Foyer

9:30 am - 1:00 pm
Student Posters on Display
Regency Foyer

The American Mathematics Association of Two-Year Colleges (AMATYC) will hold their next annual conference in Denver, CO on November 17 – 20, 2016.
## Second Session: 10:30 - 11:30 am

<table>
<thead>
<tr>
<th>Regency I</th>
<th>(General Interest)</th>
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<tbody>
<tr>
<td><strong>Lalu Simcik</strong></td>
<td>Cabrillo College <a href="mailto:lasimcik@cabrillo.edu">lasimcik@cabrillo.edu</a></td>
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**Responding to Disruptive Student Behavior: Experiences Common to Mathematics Instructors**

Any instructor who has ever felt conflicted or unsafe when dealing with a disruptive student is encouraged to attend this session. This talk and later discussion will delve into the common experiences that faculty members face when reporting a student whose behavior has become disruptive.

<table>
<thead>
<tr>
<th>Regency II</th>
<th>(Issues and Panel)</th>
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</thead>
<tbody>
<tr>
<td><strong>Larry Green</strong></td>
<td>Lake Tahoe Community College <a href="mailto:drLarryGreen@gmail.com">drLarryGreen@gmail.com</a></td>
</tr>
</tbody>
</table>

**Mathematics in Non-Mathematics Classes**

Will I ever need to use this worthless math? This question, asked by many of our students, will never be asked again after watching the video clips shown in this talk. We will explore a collection of hundreds clips from course lectures from Biology, Economics, Physics, Psychology, etc. that directly use what is taught in our community college math classes.

<table>
<thead>
<tr>
<th>Regency III</th>
<th>(Developmental Ed.)</th>
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<tbody>
<tr>
<td><strong>Ken Rand</strong></td>
<td>Hartnell College <a href="mailto:krand@hartnell.edu">krand@hartnell.edu</a></td>
</tr>
<tr>
<td><strong>Johnny Perez</strong></td>
<td>Hartnell College <a href="mailto:jrperez@hartnell.edu">jrperez@hartnell.edu</a></td>
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**Innovation + Inspiration = Math Academy = Student Success**

The Math Academy at Hartnell College is a two-week, intensive, pre-semester Math Camp that incorporates innovative instruction, collaborative learning, social and study skills into a fun and effective preparatory math class. This interactive workshop will demonstrate our innovative games and tools to use in their classes and will also show how to start a Math Camp.

<table>
<thead>
<tr>
<th>Regency IV</th>
<th>(Precalculus and Above*)</th>
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<tr>
<td><strong>Kevin McCandless</strong></td>
<td>San Jose City College <a href="mailto:kevin.mccandless@sjcc.edu">kevin.mccandless@sjcc.edu</a></td>
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**Investigating the Effects of Instructional Practices on Student Outcomes in Developmental Mathematics**

The effects of a varied method of instruction on student achievement, situational interest, knowledge transfer, and course retention were investigated using six sections of Beginning Algebra and the main finding was that the method of instruction had no effect on students’ procedural or conceptual mathematics knowledge.

*Note: This talk is out of its thread because it is a replacement for a late cancellation. (Thanks, Kevin!)

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43rd Annual Fall Conference
Pearson is proud to offer you the best educational materials in Mathematics and Statistics for you and your students. Every Pearson product comes with the best customer support, placing award-winning authors and leading technology at your fingertips. Whether your class is big or small, online or a traditional classroom, you can count on us every step of the way!

MyMathLab®  MyStatLab™  MathXL®
MyFoundationsLab®  MyMathTest™

31 million students at more than 2,000 schools have counted on us since 2001.

Join Pearson for Game Night!
Friday, December 11, 2015 • 9:00 p.m. - 12:00 a.m.
Windjammer Room

Learn more at www.mymathlab.com • www.pearsonhighered.com/math
Regency V (Technology)

Geoff Hagopian  
College of the Desert  
gehogovian@collegeofthedesert.edu

Reclaiming Computer Science with Stroustrup's Programming Principles and Practices

Computer Science was invented by mathematicians. Donald Knuth and other pioneering computer scientists were mostly trained in mathematics. Unfortunately, many computer science programs have drifted away from the mother's milk of mathematics and it has become somewhat of a Frankenstein in consequence. In this talk we will explore how Stoustrup's text, "Programming Principles and Practices in C++" can be used to explore mathematics using games and graphics.

Regency VI (Statistics)

Gene Sellers  
Sacramento City College  
stasellers@frontiernet.net

Using Student Statistics to Verify the Meanings of a Confidence Coefficient and Level of Significance

This presentation will demonstrate my favorite method of teaching the meaning of a confidence coefficient by using a large set of data, and the individual work of every student in the class. A copy of the data set with N = 2,538 records will be given to session attendees. Each student computes \( \bar{x} \) and \( S \) for a different randomly-selected sample, and constructs a 90% confidence interval for the mean. Based on the Standard Normal Distribution, about 10% of the entire list of intervals should fail to contain \( \mu \). Similar methods estimate proportions, also.
By Erica Flapan  
Pomona College  
ELF04747@pomona.edu

How I Developed My Teaching Style

I spent much of my early career trying to find the algorithm for how to be a good teacher. I read articles about pedagogical techniques and talked to successful teachers about their methods. But nothing seemed to work quite as well for me as it did for the person describing it. Then I began to compare being a good teacher with being a good parent. I had never sought an algorithm for good parenting, so why should I expect there to be one for good teaching? In fact, there is no teaching technique that will work at all institutions, for all teachers, all classes, and all students. Rather, each person's teaching methods should fit their personality and their mathematical preferences as well as the needs and goals of their courses and their students. In this talk, I will describe some pedagogical techniques that have worked for me and others that have not.

By Barbara Illowsky  
De Anza College  
illowskybarbara@fhda.edu

Teaching Mathematics or Statistics Online? Building a Community for Faculty

More and more faculty are teaching online. Some of us have studied pedagogy for teaching online. Some of us have taken certification courses. Many of us have no formal training. Let's join together and build a community to share effective practices and support each other.

By Phil Smith  
American River College  
smithp@arc.losrios.edu

Flipping the Gradebook: Concept-Based Grading

Concept-based grading is an alternative approach for computing student grades. It reorganizes your gradebook to focus directly on the concepts you want students to learn rather than indirectly via assignment scores. Students are provided with multiple opportunities to demonstrate understanding of concepts, and the focus is on what students know by the end of the term more than an average of assessments across the term. This presentation describes how the system has worked over two semesters in six different classes.
Learning to Learn in Developmental Mathematics Courses

Many Developmental Mathematics students have few skills for learning mathematics. Such at-risk students come to class unprepared, don’t schedule time to complete assignments, don’t read mathematics textbooks, and don’t feel the need to validate their work. The presenter will address these issues from a Learning to Learn perspective.

Teaching Differential Equations the SIMIODE Way

SIMIODE flips the traditional differential equations course. Using data from a hands-on activity or narrative, students first develop a model that introduces a type of DE. Then students use technology or learn techniques to solve DE’s of that type. This talk features a hands-on activity and discussion of this approach.

Best Practices in Using Social Media in the Mathematics Classroom

This talk will be instructive in the use of social media in the mathematics classroom. We will look at how to set up Facebook groups to facilitate modern and effective communication between students and other students as well as between students and faculty. Best practices, privacy concerns, and group dynamics will also be discussed in detail. You are encouraged to bring a laptop or tablet with you.

Did You Sample the Relevant Population?

Subtitle: Why Are Handsome Men Such Jerks?

I will discuss four counterintuitive situations that arise in probabilistic and statistical contexts. One appears in some elementary texts, but I will add a twist to it that leads to a rather startling result. The other cases are less well known; some have important real-world implications. Enliven our discussion by bringing your favorite paradox.

Get Your All ACCCESS Pass!

Are you in your first three years of full-time teaching? Do you have new faculty who are? If so, this session is for you! Learn about the amazing opportunities that abound in Project ACCCESS, a mentoring and professional development initiative sponsored by AMATYC. California has had 18 ACCCESS fellows since 2004. Let’s keep the tradition going! ACCCESS alumni welcome.
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) 554-6646
cccmdtp@gmail.com
http://mdtp.ucsd.edu

Research Showcase: Web-based Activity & Testing Systems (WATS)

How do researchers find out what works? For whom? Under what circumstances?

Visit us in the Exhibit Hall! Learn more about ongoing research, including opportunities to participate in current studies.

Also, look for the WATS research study workshop on Friday 12/11 presented by Shandy Hauk.

WestEd.org
WestEd is a nonprofit research, development, and service agency promoting excellence, achieving equity, and improving learning for children, youth, and adults.
SPECIAL THANKS TO ...

* Solano Community College
  [printing and postage]

* AMATYC
  [tote bags]

* Pearson Higher Education
  [Friday "Game Night"]

* Wei-Jen Harrison
  [Subsidizing the Travel Grants]

* Our two pre-conference presenters:
  * High Tech Center Training Unit (HTCTU) of De Anza College (Math Accessibility)
  * Carnegie Foundation Pathways (Quantway and Statway)

* All of our Door Prize and Foundation Donors!

Thanks to our Exhibitors!

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<thead>
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<th>McGraw Hill</th>
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<td>Hawkes Learning</td>
<td>Pearson</td>
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<td>CSU/UC MDTP</td>
<td>Cengage</td>
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<td>Macmillan Education</td>
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Fourth Session: 4:00 - 5:00 pm, continued

Regency III  (Developmental Ed.)

George Woodbury  College of the Sequoias  georgew@cos.edu

The Importance of Discovery and Reflection in Developmental Mathematics

This session will focus on classroom techniques designed to include students in the discovery of developmental mathematics rather than simply lecturing to students. There will also be a discussion of the importance of student reflection as a part of the cycles of learning to increase student understanding.

Regency IV  (Precalculus and Above)

Marc Frodyma  San Jose City College  marc.frodyma@sjcc.edu
Sandy Rosas  San Jose City College  sandy.rosas12@yahoo.com

Using Math Symmetry Operations to Solve a Problem in Elementary Physics

We present a novel solution to an elementary problem in electromagnetism using translations and rotations of two long, parallel current-carrying wires with respect to a fixed point P to find the unknown current in one of the wires. Our technique provides a simple introduction to powerful symmetry methods.

Regency V  (Technology)

Lynn Marecek  Santa Ana College  marecek_lynn@sac.edu

Creating an iPad Classroom for Redesign and Innovation

Advances in technology and classroom learning management systems as well as economic constraints are affecting the classroom implementation of Redesign and other innovations. This session will help faculty see an iPad classroom as a viable possibility by sharing logistics, classroom management techniques and strategies used in a Redesign iPad classroom.

5:00 – 6:00 pm  Reception (with door prizes!)  Regency Foyer
6:00 – 10:00 pm  Free shuttle downtown  Front Entrance of Hotel Lobby

Mark Your Calendar!

CMC³ 20th Annual Recreational Mathematics Conference
Fri., April 22 to Sat., April 23, 2016
MontBleu Hotel and Casino, Stateline, NV (South Lake Tahoe, CA)

Sacramento Valley CC Math Conference (SVCCM): March 12, 2016
Cosumnes River College  http://ms.yccd.edu/sacvalleyccm.aspx