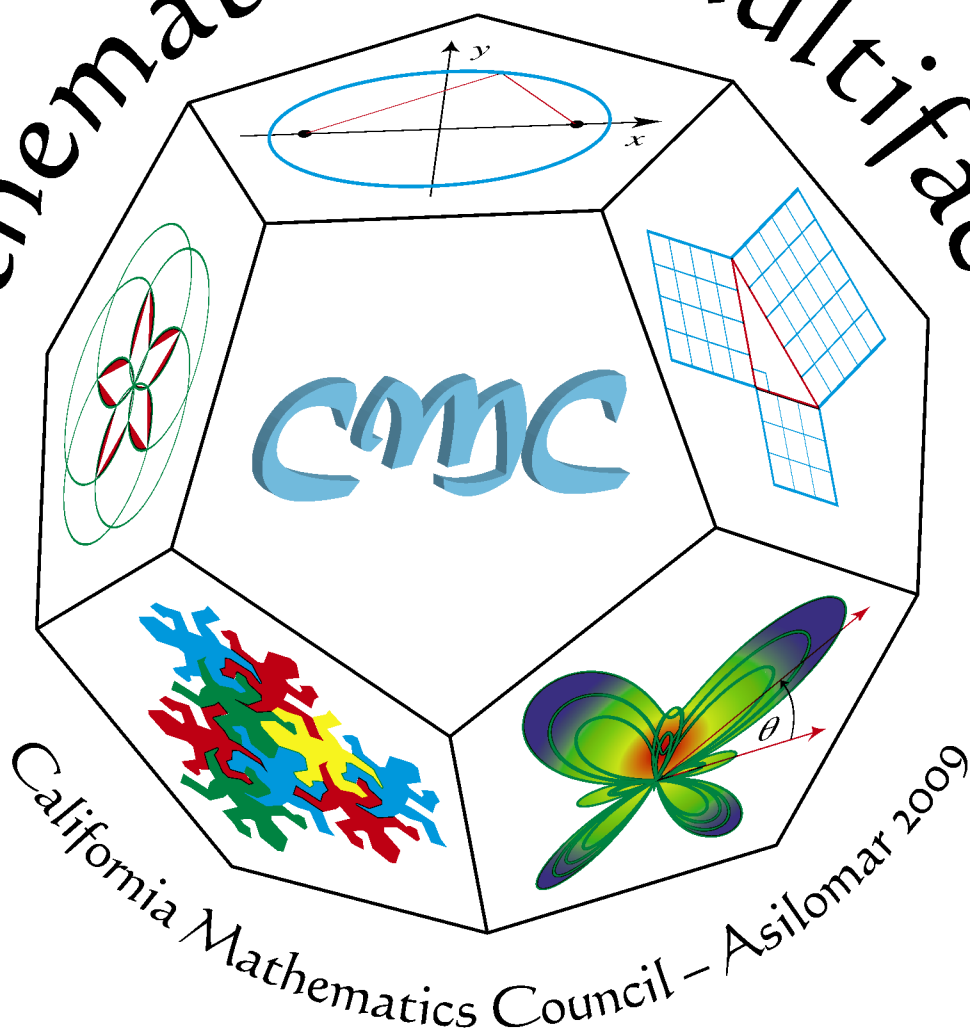


Mathematics Conference **ASILOMAR** 2009

Visit us at:
www.cmc-math.org

Mathematics is Multifaceted



Friday, December 4 — Sunday, December 6, 2009
Asilomar Conference Grounds • Monterey Peninsula

PROGRAM

	Time	Event	Location
FRIDAY	1:30-4:30 PM	Mini-Conference (separate registration-see information on page 5)	Asilomar (various rooms)
	3:00-7:00 PM	Registration	Administration Building, Asilomar
	4:00-6:00 PM	Newcomers' Session	Surf and Sand, Asilomar
	4:00-7:00 PM	Commercial Exhibits	Merrill Hall, Asilomar
	4:00-7:00 PM	Commercial Exhibits (materials for purchase)	Gym, Pacific Grove MS
	6:00-7:00 PM	Dinner	
	7:30-9:00 PM	KEYNOTE SESSION	
		William Fisher — <i>Why Johnny Still Can't Add—An Update</i>	Auditorium, Pacific Grove MS
SATURDAY	7:00-8:15 AM	Breakfast	Dining Hall, Asilomar
	7:30 AM-12:00 PM	Registration/Packet pickup (three locations, see page 4)	Administration Building, Asilomar
	7:45-9:15 AM	Newcomers' Session	Surf and Sand, Asilomar
	8:00 AM-5:00 PM	Commercial Exhibits (materials for purchase)	Gym, Pacific Grove MS
	8:00 AM-5:00 PM	Commercial Exhibits	Merrill Hall, Asilomar
	8:00 AM-12:30 PM	Sessions (speaker listing begins on page 7)	
	9:30 AM-5:00 PM	Make-It, Take-It (refer to page 17)	Library, Pacific Grove MS
	12:30-2:00 PM	Lunch (see page 3 for lunch options if you are not staying on-grounds)	Dining Hall, Asilomar
	2:00-5:00 PM	Sessions (speaker listing begins on page 13)	
	6:00-7:00 PM	Dinner	Dining Hall, Asilomar
	8:00-10:00 PM	President's Party - Everyone Welcome!	Merrill Hall, Asilomar
SUNDAY	7:30-8:30 AM	Breakfast	Dining Hall, Asilomar
	8:00-8:45 AM	CMC-N Membership Meeting	Dining Hall, Asilomar
	9:00-10:30 AM	MORNING KEYNOTE SESSIONS	
		Steve Leinwand — <i>Intriguing Lessons About How Math Is Taught And Assessed In High Performing Asian Countries Language</i>	Merrill Hall, Asilomar
	10:30-10:45 AM	Coffee Break	
	10:45 AM-12:15 PM	MID-MORNING KEYNOTE SESSION	
		David Foster — <i>Supporting Mathematical Proficiency For All Students</i>	Merrill Hall, Asilomar

CONFERENCE MAP

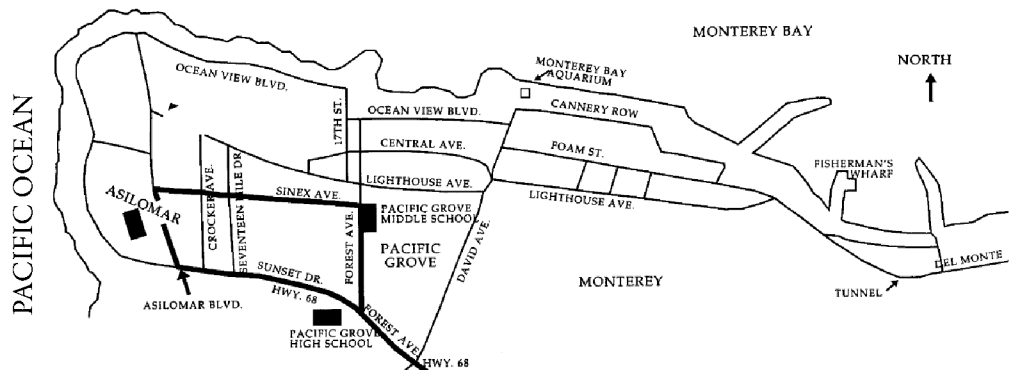
Asilomar is located on the ocean in Pacific Grove, just below Monterey, at the southern tip of Monterey Bay.

FROM HIGHWAY 1, take the Pacific Grove/Hwy 68 exit. Hwy 68 will turn into Forest Avenue. Continue on Forest Avenue for about 1 mile and make a left turn onto Sinex Avenue (Sinex Avenue deadends at the Asilomar Gates). Asilomar emergency number 831.372.8016.

FROM HIGHWAY 17, take the Hwy 1 South exit. Follow Hwy 1 directions above. Coming from the north on Hwy 101, bear right onto Hwy 156 West to Hwy 1 South. Follow Hwy 1 directions above.

COMING FROM THE SOUTH ON HIGHWAY 101, take Highway 68 West. Take the Pacific Grove exit. Follow Hwy 1 directions above.

Note: Walkers, if you are walking between sites, follow route in bold. Approximately 1 mile from Asilomar grounds to either Middle or High School.



Welcome to Asilomar

Take time to explore mathematical ideas and teaching for understanding. Whether you're a first-timer or a veteran of many Asilomar conferences, we hope this brochure will help you find the exciting opportunities that await you at this year's conference!

A PLACE TO GET NEW IDEAS...

Asilomar is a place to get lots of new lessons and ideas to use in your classroom. Attend sessions led by teachers and educators from all levels, and all over California, the United States, and beyond. Experience hands-on workshops and fun-filled activities you will want to share with your colleagues and students. The Asilomar conference provides over 200 sessions in a three-day program that offers a rich variety of experiences to suit every grade level and to cover all strands of mathematics.

A PLACE TO LEARN WHAT IS NEW IN MATHEMATICS EDUCATION...

Come to Asilomar to learn about and discuss the latest mathematics education news, information and issues. We are proud to have an outstanding group of presenters—people at the forefront of change in mathematics instruction. Discover how changes in state and national policy, teaching techniques, materials, texts and assessment will affect your classroom, your students and your teaching.

A PLACE TO NETWORK...

Several thousand teachers from all levels attend Asilomar each year. Take this opportunity to enlarge your network of colleagues who can assist you in building your math program. Become part of the CMC network that supports math teachers throughout California. Meet new friends who share your interests and love of teaching.

A WONDERFUL PLACE TO BE...

Asilomar is a beautiful State Park. You will encounter many species of wildlife as you meander through the grounds or take the boardwalks to the dunes. Join us!

CONFERENCE INFORMATION

◆ SESSIONS

You will find four session types: Presentations, Hands-on Workshops, Interactive and Make-It, Take-It sessions.

PRESENTATIONS (PRS)

Will be speaker-focused, but you may expect discussion, explorations and/or some activity.

HANDS-ON WORKSHOPS (W)

Limited enrollment. Tickets (free) are needed for admission. You may receive no more than two tickets per day with pre-registration (be sure to list alternatives). Workshop tickets save your spot only to the scheduled start time so a person without a ticket will be admitted on a space-available basis at the scheduled start of the session.

INTERACTIVE SESSIONS (INT)

Provide for discussion and exploration. Participants will be involved in activities and interaction with others.

MAKE-IT, TAKE-IT (MITI)

Make your own models for classroom projects and activities. Please join one of our scheduled sessions. Participation is limited to twenty-five. Advanced registration is not required. Materials fee may be charged.

◆ FIRST TIME AT ASILOMAR?

Come to the Surf and Sand for a 20 minute orientation session on how to navigate your first conference at Asilomar. We will show you all you need to know to get the most out of the experience.

Friday 4 - 6 p.m.
Saturday 7:45 - 9:15 a.m.

◆ EXHIBITS

See the latest materials and textbooks:

Friday Merrill Hall 4 - 7 p.m.
PGrove MS 4 - 7 p.m.
Saturday Merrill Hall 8 a.m. - 5 p.m.
PGrove MS 8 a.m. - 5 p.m.

◆ PARKING

Since parking space is very limited, on-grounds parking is reserved for registrants housed on grounds. Others must park outside the main entrance to Asilomar or at the Middle School or High School.

◆ BUS SERVICE

Buses run between Asilomar, Middle School, and High School on Friday 3:45 to 9:30 p.m. and all day on Saturday.

◆ CELL PHONES AND PAGERS

Out of respect for presenters and other participants, please turn off cell phones and pagers during sessions.

◆ DISABLED SERVICES

Disabled access is available for conference participants. Jitney service and white courtesy phones are available on Asilomar Grounds. On your pre-registration form, please let us know if you would like to use this service.

◆ LUNCH OPTIONS

IMPORTANT! CMC will not be offering box lunches for sale this year. Both Pacific Grove Middle School and Pacific Grove High School will offer some lunch selections, and a listing of other nearby options will be available at the conference. Also, please check the Asilomar conference web page (www.cmc-math.org) and click on *CMC conferences*) for updated information on lunch options.

◆ COLLEGE CREDIT

Details and a course registration form will be found in your Asilomar program. Earn 1 semester unit if you attend starting Friday night or earlier, for \$107.50 through California State University, East Bay. Check your district policy regarding acceptance of units. Course Number: Math 7006, "Asilomar Math Conference 2009" with credit given Winter quarter 2010.

◆ MEAL TICKETS

Participants staying on-grounds receive a meal ticket with their housing, covering Friday dinner through Sunday lunch. For participants staying off-grounds a limited number of meal tickets will be available for purchase at the Asilomar front desk.

◆ CANCELLATIONS

Part of the fee (normally \$60) is non-refundable. Fees collected for affiliate memberships are paid to other organizations and cannot be canceled. Written cancellations received by November 15 will be honored. Refunds cannot be given after this date, so it's best to have an emergency substitute lined up. Apply for refunds to CMC (see address below).

◆ HOUSING

On-grounds housing is popular, so we encourage you to register before October 4. Again this year space will be assigned in the order requests are received. New this year is the option for on-grounds housing for guests of the conference attendees. See the inside back cover and facing page for information and form. NOTE: you can also register on line; start at cmc-math.org/asilreg.

◆ QUESTIONS

For answers about registration and to obtain additional registration forms, see www.cmc-math.org or e-mail at cmcasilomar@aol.com or call 925.680.8573.

◆ ADDRESS FOR ASILOMAR-RELATED COMMUNICATION

Address for registration, cancellation, purchase orders, and questions:
CMC-Asilomar
PO Box 2738
Suisun City CA 94585-5738

CMC-NORTH OFFICERS AND CONFERENCE VOLUNTEERS

PRESIDENT Giovanna Jo Ann Stephens

PRESIDENT ELECT Gretchen Muller

VICE PRESIDENT Cathy Carroll

TREASURER Chris Tsuji

SECRETARY Rita Nutsch

PROGRAM CHAIR

Cathy Carroll

PROGRAM COMMITTEE

Suzanne Damm, Katy Early,
Kathlan Latimer, Rebecca Lewis,
Dave Robathan and
Patricia Rogers

CONFERENCE

BROCHURE AND PROGRAM

Connie Anderson

EVALUATION

Elizabeth Brooking and
Rebecca Hubbell

PACKETS

Mark Hailey

PRE-REGISTRATION

Julie Crozier

HOUSING

John Martin

EXHIBITS

Rick Easterday and Michael Pease

NCTM REPRESENTATIVE

Sheri Jensen

NCTM SALES

Chicha Lynch

AWARDS

FaraLee Wright

PRE-SERVICE VOLUNTEER

COORDINATORS

Catherine Reed and Jean Simutis

ASILOMAR PRESIDER

Nyla DeLong and Kay Gilliland

CONFERENCE SIGNS

Jim Stephens

EQUIPMENT

Alison Nash and Julia Stephens

NEWCOMERS' ORIENTATION

Kathlan Latimer and
April Goodman-Orcutt

BROCHURE AND T-SHIRT DESIGN

John Martin

IMPORTANT INFORMATION

CMC-North is pleased to offer a set of five mini-courses that will be held on Friday afternoon on the Asilomar Grounds. Each of these in-depth, hands-on workshops is focused on a particular grade band or specific topic of interest. The cost is just \$35, added to main conference fee, for the three-hour session. Registration is available on a first-come, first-served basis and is limited to 35 per session. See page 5 for all the details. We hope you will join us for this "head start" on your conference experience.

REGISTRATION / PACKET PICKUP

On November 18 those who are pre-registered will be mailed an admission sheet to bring to the conference. This sheet includes receipts, name badge, workshop and lunch tickets, and a claim ticket. Claim tickets may be used to pick up your packet (including your name badge holder, your Asilomar program, and other valuable items) at the following locations: Asilomar grounds on Friday afternoon, and Saturday morning. Pacific Grove Middle School on Friday afternoon and Saturday morning; and Pacific Grove High School on Saturday morning.

PLEASE provide an e-mail address or message phone on the registration form. We will contact you only if there is a problem or question about your registration.

Workshop tickets will be available only through pre-registration. On-site space will be allotted, as available, on a first-come basis.

NOTE:

- Bring your Admit sheet with you—or suffer long lines and a \$5 reprint fee onsite.
- Save your receipts for taxes or school reimbursement.
- Any Asilomar-related written communication should be sent to:

CMC Asilomar
PO Box 2738
Suisun City CA 94585-5738

MEMBERSHIP

If you register for the Asilomar Conference, you will automatically become a CMC member. If you can't come to Asilomar this year, you and your colleagues can still join CMC. Members receive all CMC publications and information about CMC activities. It's professional—and more fun—to be involved! To join without attending Asilomar, go to www.CMC-MATH.org/Membership.

KEYNOTE SESSIONS

FRIDAY 7:30 – 9:00

William Fisher

Why Johnny Still Can't Add—An Update

Does history help chart a course for the future? Are these good times or bad for education? Does it make any difference? Good teaching and good mathematics are critical components of a teacher's arsenal no matter what other conditions are present. Bill will share some ideas about both that will encourage you to become an even better teacher! | GI | PRS | 049 |

SUNDAY 9:00-10:15

Steve Leinwand

Intriguing Lessons About How Math Is Taught And Assessed In High Performing Asian Countries

It's really not an accident that countries like Singapore and Hong Kong significantly outperform the U.S. As example of 'international benchmarking,' this session will present a range of instructional approaches and assessment items drawn from these countries that provide intriguing insights into how the U.S. might ratchet up how we teach and how we assess mathematics. | 6-12 | PRS | 1018 |

SUNDAY 10:45-NOON

David Foster

Supporting Mathematical Proficiency For All Students

What can we do to foster and support mathematical proficiency for all students? How can research inform instructional practices? How do we advocate for high-quality mathematics instruction and assessment? See examples (videos, data, case studies) that respond to the questions posed, drawing on the work of the California Algebra Forum. This network of key mathematics organizations proposes a clear vision and action plan for supporting mathematics proficiency for all students.

| GI | PRS | 1118 |

HOUSING INFORMATION

Please read the following information carefully. On-grounds housing is assigned on an order-received basis; there is no lottery.

NEW THIS YEAR: On-grounds housing is available for guests non-conference roommates as well as conference attendees. See details below.

ON-GROUNDS HOUSING—2009 INFORMATION POLICY

One thing that makes the Asilomar Mathematics Conference such a great experience is staying on the beautiful grounds adjacent to Monterey Bay and the Pacific Ocean. Attendees and their guests who choose to stay on the Asilomar Grounds are able to share family-style meals with educators from kindergarten through college, from public and private schools, and from local, county, and state departments of education. To make sure that you don't miss out on this great opportunity, be sure to send in your registration form as soon as possible.

On-grounds housing (includes both Friday night and Saturday night) is available on a first come, first served basis. For \$280, conference attendees staying on-grounds get 2 nights lodging (double or quad only) and 6 meals (Friday dinner through Sunday lunch). Non-conference roommates pay the same price for the 2 nights on-grounds housing and 6 meals, but please note that this does not include guest access to the conference sessions. A guest pass, allowing entry to both exhibit halls plus the Friday night and Sunday morning keynote sessions, is available for \$50. See registration form to purchase this pass. Housing requests for non-conference roommates must be mailed with the attendee's registration.

To register for on-grounds housing, complete Step 6 on the registration form and be sure to include the names of all those wishing to room together. A separate registration form should be completed for each person, but please mail them all together in one envelope. Calculate each person's total separately but one payment for the group is acceptable.

- NOTES:
- Be sure to indicate your special access and dietary needs if applicable on the next page, Step 2.
 - **If you do not request a roommate, one will be assigned to you (be sure to note your gender).**
 - All rooms are non-smoking.
 - Requests for groups of three are difficult to accommodate. It is almost certain that a fourth person will be added to your group to fill a quad room.
 - **Registration forms for all those requesting to share a room must be mailed together.**
 - On-grounds housing confirmation is e-mailed by October 28. Please supply a working e-mail for at least one of your roommates.
 - Contact us at jmartin@santarosa.edu if you have not heard by November 1.

Committee members and presidential award finalists receive free, guaranteed on-grounds housing. Past-Presidents, CMC section officers and a few others must pay for their housing, but it is guaranteed until October 4. Those with guaranteed housing may request at most one roommate (either another conference attendee or a guest), who must pay for their lodging. Committee members, awardees, and officers must submit their own registration forms.

OFF-GROUNDS HOUSING

As an alternative to staying on the Asilomar grounds, we have made arrangements through the firm RESORT 2 ME to reserve a number of rooms in the area at special conference rates. In an effort to accommodate different preferences as well as budgets, numerous types of facilities such as motels, inns, bed-and-breakfast inns, and full-service hotels are offered. For reservations and information contact: RESORT 2 ME, 800-449-1499 (8 a.m. - 6 p.m. weekdays; 11 a.m. - 5 p.m. weekends) or visit www.resort2me.com/cmc.

AFFILIATE INFORMATION

Help support a strong voice for mathematics education! Join the triumvirate of professional organizations at the local, state, and national levels. It's easy!

REGIONAL AND INTEREST GROUP AFFILIATES:

These are by county or interest group, arranged on the next page (step 7), from Northwest to Southeast (more or less). Get involved with your local affiliate. For those involved in in-service or pre-service education, you can also join CAMTE, the California Association of Mathematics Teacher Educators. To join, check the applicable boxes and include appropriate amount on the line.

NATIONAL AFFILIATE:

Many members of CMC also belong to the National Council of Teachers of Mathematics. Those wishing to join NCTM or renew their memberships may go to the NCTM web site www.nctm.org and click on Membership. As part of the membership process, you will be given the option to select an Affiliate to receive a rebate. In order for CMC-North to receive the rebate, please select California Mathematics Council, Northern Section. This is a new procedure, requested by NCTM.

ComMuniCator SPECIAL EDITION

The CMC ComMuniCator is the official quarterly journal of the California Mathematics Council. The 2009-10 Special Edition: *Activities Across The Strands, Grades K-12* will be on sale at the CMC ComMuniCator booth in the Administration building and the PGMS Gym. Stop by to purchase this special edition containing 64 pages of activities and investigations for grades K-12 for \$5. You can reserve a copy in advance through pre-registration (see step 9 on the registration form, next page) and pick it up at the conference.

Also available at the CMC booth will be previous issues of the annual Special Activity Issues, and back issues of the ComMuniCator.

VOLUNTEERS

CMC has one paid staff member. This entire conference is done by volunteers. Get involved; it's a rewarding experience. Check the appropriate box on next page step 8.

2009 ASILOMAR REGISTRATION FORM

STEP 0: Go to cmc-math.org/asilreg to register online or complete this hardcopy registration form. STEP 2: Special Needs

STEP 1: Personal Information (CMC Members only need to include full name and member number—include changes if any.)

Check here if Vegetarian, dietary, or special access needs. Please explain.

Print Clearly.

a. Full Name: _____ CMC Member # _____

b. Home Street Address: _____

c. City/State/Zip: _____

d. School: _____ District or Private: _____

e. Phone: () _____ E-mail: _____

(Valid e-mail required for receipt of registration confirmation.)

STEP 3: Position and Grade Level Interest

- Teacher/Instructor Student (Student Teacher) Site Admin. Other Admin. Other _____
 K-3 3-6 6-9 9-12 College (2 or 4 year) Teacher Ed. Adult Education

STEP 4: Conference Registration (check 1 box ONLY per line. See step 8 for early registration. See page 4 for membership only, without conference registration.)

- MAIN CONFERENCE:** Regular Registrations \$150 FT Students \$75 Committee Members \$65 Speakers \$65..... \$ _____
 MINI-CONFERENCE (Only available with registration for the main conference) \$35 \$ _____
 Select one MINI-CONFERENCE session (see description on page 5) PK-2 3-5 6-8 9-12 Leadership/Coaching
 GUEST PASS (Entry to exhibit halls plus Friday night and Sunday morning keynote sessions.) Guest name: _____ \$50 \$ _____

STEP 5: Workshop Tickets

Tickets (no charge) are required for all sessions indicated by **T**. You may request up to two tickets for the Saturday workshops by workshop number.

Saturday Workshops: 1st choice _____ Alternate _____ 2nd choice _____ Alternate _____

STEP 6: On-Grounds Housing and Roommate/Guest Information (check all that apply)

- On-Grounds Housing (2 nights lodging and 6 meals): \$280 \$ _____
 Non-conference roommate on-grounds housing (2 nights lodging and 6 meals): \$280..... \$ _____
 Include the names of your roommates (up to 3 others) or guest. **Mail ALL registration forms together in ONE envelope.**
 Singles enter your gender: M F
 1. _____ 2. _____ 3. _____
 Housing is guaranteed (specify your committee name or other reason): _____

STEP 7: Affiliates (optional, but highly recommended)

Regional and Interest Group Affiliates (all dues \$10 except as noted)

- | | |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Math Council to the Far North (CMCN [®]) | <input type="checkbox"/> Council Math and Science Educators San Mateo Co. (CMSESMC) |
| <input type="checkbox"/> Mt. Lassen Math Council (MLMC) | <input type="checkbox"/> Santa Clara Valley Math Assoc. (SCVMA): \$15 |
| <input type="checkbox"/> Sonoma Co. Math Council (SCMC) | <input type="checkbox"/> Monterey Bay Counties Math Educators (MBCME) |
| <input type="checkbox"/> Sacramento Area Math Educators (SAME) | <input type="checkbox"/> Northern Nevada Math Council (Washoe/Reno Area (N ² MC)) |
| <input type="checkbox"/> Math Educators of Solano Co. (MESOC) | <input type="checkbox"/> Stanislaus Math Council (SMC) |
| <input type="checkbox"/> Alameda Contra Costa Co. Math Educators (AC ³ ME) | <input type="checkbox"/> Calif. Central Coast (C4MC: San Luis Obispo) |
| <input type="checkbox"/> Contra Costa Co. Assoc. of Science Math Education (C ³ ASME) | <input type="checkbox"/> Calif. Assoc. of Mathematics Teacher Educators (CAMTE): \$20 \$ _____ |

STEP 8: Discounts and Volunteers (Make Purchase Orders for the full amount; do NOT take this discount. It will be applied on the invoice.)

DISCOUNTS

- Enter a discount of \$15 if postmarked by November 8. This discount is for ALL registrants, including speakers/committee members \$ _____
 (Purchase Order must be paid by 12/31 from the first invoice to qualify for this discount.)
 Enter a discount of \$50 if you are a life member. Life member # _____ \$ _____

VOLUNTEERS

I'd like to help: by presiding at sessions/workshops with registration with other duties

STEP 9: ComMuniCator Special Conference Edition

Please reserve _____ copies @ \$5 of the ComMuniCator, 2009-10 Special Edition, *Activities Across The Strands, Grades K-12*..... \$ _____

STEP 10: Payment

TOTAL AMOUNT DUE (Sorry no faxes. Do not mail after November 20—register on-site) \$ _____

IMPORTANT: Review all steps above, *including* the cancellation policy on page 3. If you are submitting a purchase order, please prepare using undiscounted prices. We will invoice for the lower amount IF this registration is received by November 8 **AND** paid by December 31.

Check Number: _____ Purchase Order: _____ Agency/District/Church: _____
 Credit Card*: _____ - _____ - _____ Expires: _____ CSV # _____
 Print numbers clearly. For credit card payment, you must include a valid e-mail in Step 1c above. On back of the credit card.
 Signature: _____

Confirmations and registration packets will be mailed on November 18 to early registrants. UPDATES? www.cmc-math.org
 PROBLEMS? E-mail cmcasilomar@aol.com or call 925.680.8573.

Mail this registration (NO FAXES), including your payment or PO to: CMC-Asilomar, PO Box 2738, Suisun City, CA 94585-5738