

BAMA

School Year 2012—2013
Join us for a free talk...

4

Shirley Yap

Where does the railroad track go?



Santa Clara University, Daly Science 207
Friday, January 25, 2013, 7:30 pm

Mathematics often inspires art, but art also inspires mathematics. In this talk, you will learn about the mathematics of rendering three dimensional objects and how this is connected to modern geometry. After we develop the mathematical framework, you will learn how to see in 3-d (without 3-d glasses!).

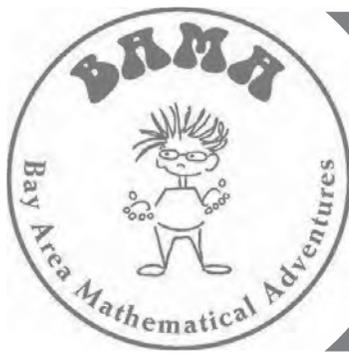
Shirley Yap is an associate professor of mathematics at the California State University East Bay. Shirley received her PhD in Differential Geometry from the University of Pennsylvania in 2005. Besides differential geometry and differential equations, Shirley is interested in how mathematics and the arts inspire and inform each other. As a dancer and musician, she's also interested in teaching math in more visual, auditory, and kinesthetic ways.



* See back for map and directions.

Visit the Bay Area Mathematical Adventures (BAMA) at <http://mathematicaladventures.org>

To receive email notifications about BAMA talks, please contact Frank Farris at ffarris@scu.edu.



BAMA

Bay Area Mathematical Adventures

A series of presentations on diverse topics by remarkable mathematicians. All talks are free and open to the public.

WHY?

BAMA aims to challenge and motivate students to think mathematically. Speakers will present real mathematics, and will share with the audience modern views of mathematics. Some talks will provide students with related problems, or will enable teachers to expand later on the topics with their students.

WHO?

BAMA is aimed at bright high-school age students. However, all are welcome: younger or older students, teachers, parents, and the general public.

WHEN?

Evening talks will be given approximately once a month between September and April. Each talk will be self-contained (speakers will not assume their audiences have attended previous talks).

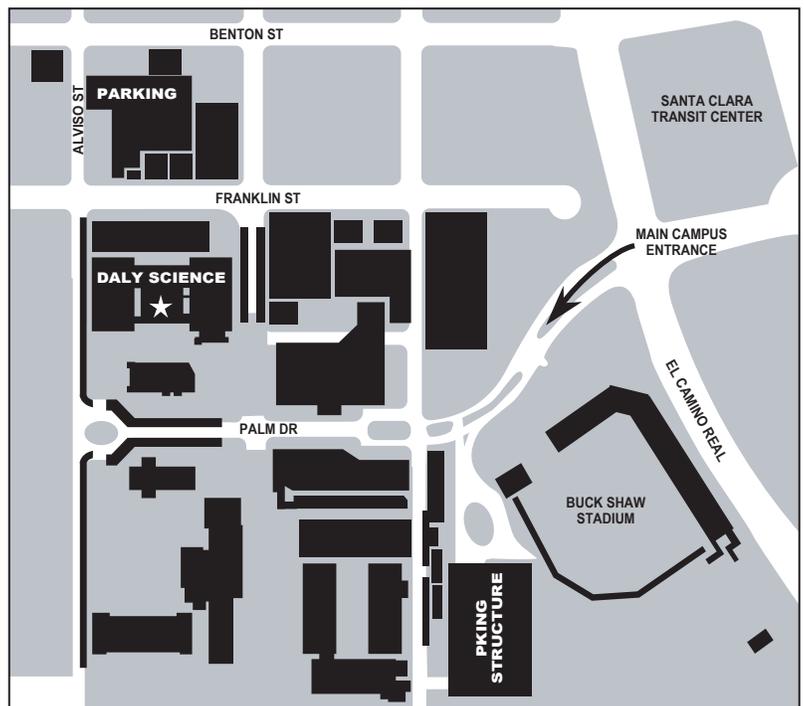
WHERE?

Santa Clara University Daly Science, rm. 207

- From US Highway 101, take the De La Cruz Blvd/Santa Clara exit and follow the signs to El Camino real and main campus entrance.
- From I-280, take I-880 north toward Oakland to The Alameda exit. Turn left onto The Alameda (which becomes El Camino Real) to main campus entrance.
- From I-880, take The Alameda exit, travel north (The Alameda becomes El Camino Real) to main campus entrance.

Note: If you bring your car to a talk at SCU, use the formal entrance to the University. You may buy a "conference rate" parking permit for \$3 if you tell the parking guard that you are attending a BAMA talk. We also offer a **coupon for free parking through our email list and website, but you must print the coupon and give it to the guard at the kiosk.** With your permit, you may park in the garage or in the lot on Franklin Street, which is closer to the talk location.

- If you have a disability and require reasonable accommodation, please call anyone on the steering committee, or 1-800-735-2929 (TTY—California Relay) 24 hours in advance.



SPONSORS:

San Jose State University
Departments of Mathematics and Computer Science
College of Engineering

Santa Clara University
Department of Mathematics and Computer Science

American Institute of Mathematics

Mathematical Sciences Research Institute

FOR MORE INFO:

<http://www.mathematicaladventures.org>

BAMA Steering Committee:

Tatiana Shubin	SJSU	408-924-5146
Frank Farris	SCU	408-554-4430
Bradley Jackson	SJSU	408-924-5100
Gerald L. Alexanderson	SCU	408-554-6894