

# BAMA 5

School Year 2011—2012  
Join us for a free talk...

## Tony DeRose PIXAR Animation Studios *Math in the Movies*



Santa Clara University, Daly Science 207  
Wednesday, February 15, 7:30 pm

Film making has undergone a digital revolution brought on by advances in areas such as computer technology, computational physics, geometry, and approximation theory. Using numerous examples drawn from Pixar's feature films, this talk will provide a behind the scenes look at the role that math plays in the revolution, with particular emphasis on how we represent complicated curved surfaces such as car bodies and the skins of our characters.

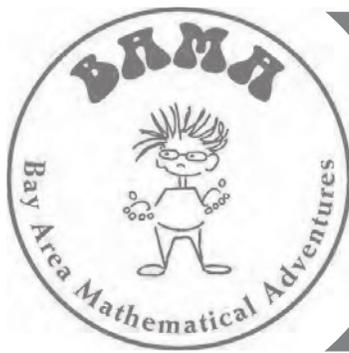
**Tony DeRose** is currently a Senior Scientist and lead of the Research Group at Pixar Animation Studios. He received a BS in Physics from the University of California, Davis, and a Ph.D. in Computer Science from the University of California, Berkeley. From 1986 to 1995 Dr. DeRose was a Professor of Computer Science and Engineering at the University of Washington. In 1998, he was a major contributor to the Oscar winning short film "Geri's game", in 1999 he received the ACM SIGGRAPH Computer Graphics Achievement Award, and in 2006 he received a Scientific and Technical Academy Award for his work on surface representations.



\* 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](mailto: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).

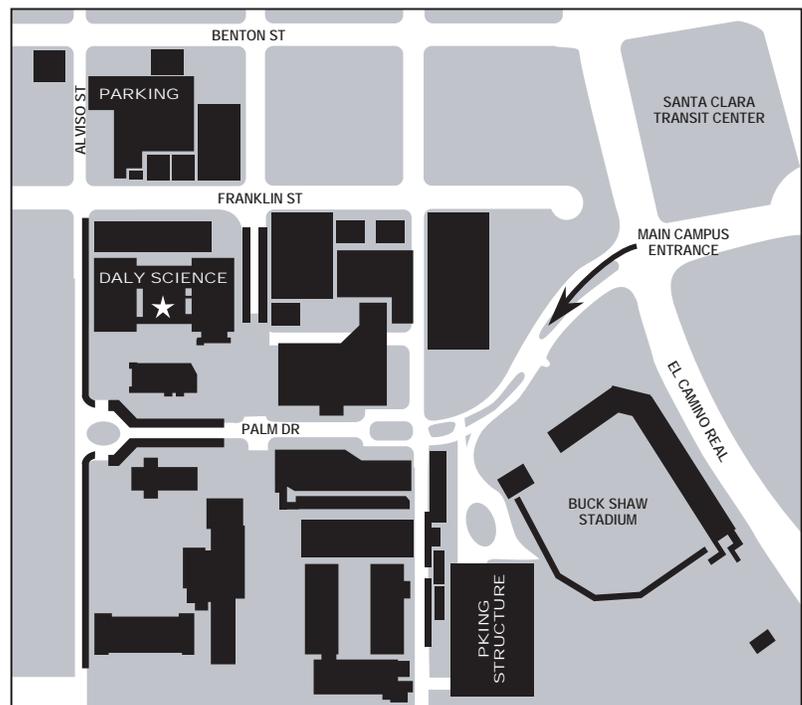
### WHERE?

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 the 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 the main campus entrance.
- From I-880, take The Alameda exit, travel north (The Alameda becomes El Camino Real) to the main campus entrance.

**Note:** If you bring your car to a talk at SCU, use the formal entrance to the University and tell the parking guard that you are attending a BAMA talk, you will get a **free permit**, which you can use in the parking 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