

# BAMA

School Year 2015—2016  
Join us for a free talk...

# 4

## Richard Kubelka

### Taking the Wursts for a Turn: the Mathematics of Walking Wiener Dogs



**San Jose State University\***  
**Yoshiro Uchida Hall (YUH), room 124**  
**7:30 pm**  
**Wednesday, January 27, 2016**

Dog walking became much more complicated when we got the puppy. While Fritz and I had had no trouble exploring the neighborhood, with the addition of Sasha we were all hopelessly tangled up in leashes after just a few steps. But my canine coauthors and I soon discovered that almost all of our entanglements could be resolved mathematically. And, in the process, we came up with a formal proof that the right hand really doesn't know what the left hand is doing. In this talk we'll stroll through the mathematics of dog walking—and even have our hair done along the way.

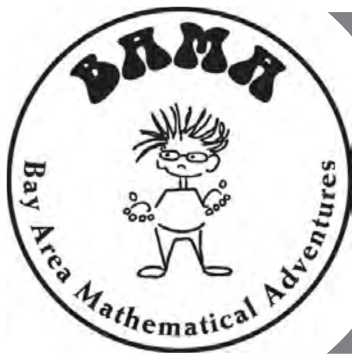
**Richard Kubelka** is Professor of Mathematics in the Department of Mathematics and Statistics at San Jose State University. He was educated at Georg August Universität in Göttingen, Germany—where he walked through the Hilbert Space every day on the way to class—and UC Berkeley and Stanford University. Following a short interlude as Visiting Assistant Professor at the University of Oklahoma, Dr. Kubelka has been teaching at SJSU since the 20th century. His mathematical interests include algebraic topology and number theory, and he collects dictionaries on the side.



\* 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?

#### San Jose State University Yoshiro Uchida Hall YUH-124

- From 101 take the First Street or Guadalupe Expressway exit and go to Fourth Street.
- Take Fourth to San Salvador Street; turn left onto San Salvador and park in the South Garage. The automated pay stations located on level 3 and above accept coins, \$1, \$5 and \$10 bills, Visa or Master Cards. Parking is \$1.00 per ½ hour or \$5.00 day pass after 5:30.
- From 280 take the 7th Street exit and turn North on Seventh St. The garage is on the left after 5 or 6 blocks.



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#### FOR MORE INFO:

<http://www.mathematicaladventures.org>

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