



The SIAM Student Chapter at UCSB presents our Fall 2014 Seminar on

## Top Algorithms in Computational Science

The UCSB student chapter of the Society for Industrial and Applied Mathematics (SIAM) will host a seminar during Fall quarter centered around the most important algorithms in computational science. Each week a graduate student will deliver a 50 minute talk detailing the history, theory and application of one of these famous algorithms. Attendees will find the seminar useful in broadening their knowledge of computational techniques while learning about research occurring at UCSB.

All are welcome to attend! Light refreshments will be served!

Speakers include students from Mathematics, Computer Science, ECE, and Materials Science. Currently-scheduled talks cover the following topics:

- Fast multipole method
- Optimizing compilers
- Quicksort
- Fast Fourier transform
- Monte Carlo method
- Krylov subspace methods
- Public key encryption
- Spectral clustering
- Shor's prime factorization algorithm
- Kalman filter

**When:** Wednesdays from 3:30 - 4:30 p.m., beginning October 8th, 2014

**Where:** Elings Hall, Room 1601 and 1605. See web for a precise schedule.

*During the week of Thanksgiving, the seminar will be held on Monday, 24<sup>th</sup> November.  
For a complete schedule and information about other chapter events, please visit*

<http://www.math.ucsb.edu/~siam/>

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