

Calendar for Week #7

Saturday, November 5

This is the day for our field trip to see Tom Stoppard's *The Hard Problem* at the Geary Theater in San Francisco. Kelsey has organized the tickets and transportation. We'll be meeting on Serra Street in front of Encina Hall at 6:00 P.M. The bus will leave promptly at 6:15. Remember that it tends to be about ten degrees cooler in San Francisco, so it would be wise to dress a little more warmly than you might otherwise do. After the show, the bus will bring everyone back to Encina Hall.

Monday, November 7

Monday's class concludes the cryptography section with a discussion of ***public-key cryptography***, a powerful encryption strategy based on the rather surprising idea that secret communication can be maintained even if encryption keys are distributed freely. This technology underlies much of the modern world of networked communication and is fundamental to systems that allow for secure online transactions.

Reading:

Chapter 12 (incorrectly labeled as Chapter 13) in the course reader.

Wednesday, November 9

I'm off to Washington on Wednesday for a meeting of the National Academies Committee on the Growth of Computer Science Undergraduate Enrollments. Kelsey will talk about networking algorithms, including the Google Page Rank algorithm. If you're interested, you can read the 1999 paper by Larry Page, Sergey Brin, Terry Winograd, and Rajeev Motwani at <http://ilpubs.stanford.edu:8090/422/1/1999-66.pdf>.