CS 7934: CSL Seminar Fall 2006

CS7934: Computer Systems Seminar

**Primary Instructor:** John Carter, retrac@cs.utah.edu, 3144 MEB. (primary)

**Secondary Instructors:** Jay Lepreau (lepreau@cs.utah.edu), John Regehr (regehr@cs.utah.edu), and Sneha Kasera (kasera@cs.utah.edu)

**Time:** Fri 2:00-3:20.

**Location:** MEB 3147 (except Sep. 22\textsuperscript{nd} and Nov. 15\textsuperscript{th}, when we will meet in MEB 4548c)

**Class webpage:** [http://www.cs.utah.edu/classes/csl-sem](http://www.cs.utah.edu/classes/csl-sem)

**Course Description**

In CS7934 we will read and discuss technical papers from recent or imminent top-tier systems conferences (e.g., SOSP, OSDI, NSDI, SIGCOMM, ...). The specific papers discussed will be chosen based on the interests of the class attendees. On occasion people may present their own research or perhaps a trip report from a major conference.

Although the course is listed as “variable credit”, the course is only available for one (1) credit in most circumstances – if you wish to take the course for more than one credit you will need to get approval from the instructor. Those taking the course for one credit must read all of the papers, submit a short summary of each paper prior to class, participate in each discussion, and facilitate the discussion of at least one paper.

**Possible Papers**

The specific papers that we will discuss will be selected by people attending the class. We take a fairly broad view of what qualifies as an “interesting systems paper”. To help people get started in picking a paper, here is a partial list of papers from the upcoming OSDI and SIGCOMM conferences. Students may select other papers with permission from the instructor.

**OSDI 2006**

- “Experiences Building PlanetLab”, by L. Peterson, A. Bavier, M. Fiuczynski, and S. Muir. (Definite)
- “Stasis: System for Adaptable, Transactional Storage”, by R. Sears and E. Brewer.
“Connection Handoff Policies for TCP Offload Network Interfaces”, by H-y. Kim and S. Rixner


“The Chubby Lock Service for Loosely-coupled Distributed Systems”, by M. Burrows


SIGCOMM 2006

“In VINI Veritas: Realistic and Controlled Network Experimentation”, by A. Bavier, N. Feamster, M. Huang, L. Peterson, and J. Rexford. (Definite)


“Understanding the Network-Level Behavior of Spammers”, by A. Ramachandran and N. Feamster.


“Planet Scale Software Updates”, by C. Gkantsidis, T. Karagiannis, P. Rodriguez, and M. Vojnovic.

“Drafting Behind Akamai (Travelocity-Based Detouring)”, by A. Su, D. Choffnes, A. Kuzmanovic, and F. E. Bustamante.