Tentative List of Papers (as of Oct 14, 2010)

<u>Week 1 (Aug 12)</u>

1. D. D. Clark. "The design philosophy of the DARPA Internet protocols," SIGCOMM 1988.

2. J.H.Saltzer, et.al, "End-to-end arguments in system design," ACM Transactions on Computer Systems (TOCS), Volume 2 , Issue 4, Pages: 277 – 288, 1984.

<u>Week 3 (Aug 26)</u>
3. Vern Paxson and Sally Floyd, "Wide-Area Traffic: The Failure of Poisson Modeling," Transaction of Networking, June 1995.

4. Hyoung-Kee Choi and John Limb, "A Behavioral Model of Web Traffic," ICNP 1999.

<u>Week 4 (Sep 2)</u>

5. K. K. Ramakrishnan and and Raj Jain, "A Binary Feedback Scheme for Congestion Avoidance in Computer Networks," ACM Transactions on Computer Systems, Vol. 8, No. 2, May 1990, Pages 158-181.

6. DM Chiu, R Jain, "Analysis of the increase and decrease algorithms for congestion avoidance in computer networks," Computer Networks and ISDN systems, 1989.

7. J Padhye, V Firoiu, D Towsley, J Kurose, "Modeling TCP Throughput: A Simple Model and its Empirical Validation," SIGCOMM 1998.

<u>Week 5 (Sep 9)</u>

8. KTJ Song, Q Zhang, M Sridharan, "Compound TCP: A Scalable and TCP-Friendly Congestion Control for High-speed Networks," PFLDNet 2006.

9. Rhee, I., and Xu, L. "CUBIC: A new TCP-friendly high-speed TCP variant," PFLDNet 2005.

<u>Week 7 & 8 (Sep 30 & Oct 7)</u>

10. A Demers, S Keshav, S Shenker, "Analysis and Simulation of a Fair Queueing Algorithm," SIGCOMM 1989.

11. JCR Bennett, H Zhang, "WF^2Q: Worst-case fair weighted fair queueing," IEEE Infocom, 1996.

<u>Week 9 (Oct 14)</u>

12. T.V. Lakshman and U. Madhow, "The performance of TCP/IP for networks with high bandwidth-delay products and random loss," IEEE/ACM TRANSACTIONS ON NETWORKING, VOL. 5, NO. 3, JUNE 1997.

Week 10 (Oct 21)

No Class

Week 11 (Oct 28)

12. Vern Paxson, "End-to-End Routing Behavior in the Internet," Transaction of Networking, 1997.

13. H Zheng, EK Lua, M Pias, TG Griffin, "Internet routing policies and round-trip-times," PAM 2005.

14. Feng Wang, et.al, "A Measurement Study on the Impact of Routing Events on End-to-End Internet Path Performance", SIGCOMM 2006.

Week 12 (Nov 4)

15. M. Faloutsos, et.al, "On Power-Law Relationships of the Internet Topology," SIGCOMM 1999.

16. Q Chen, H Chang, R Govindan, S Jamin, SJ Shenker, "The Origin of Power Laws in Internet Topologies Revisited," INFOCOM 2002.

17. S. Katti, et. al.,"XORs in the Air: Practical Wireless Network Coding," SIGCOMM 2006

18. S. Chachulski et. al., "Trading Structure for Randomness in Wireless Opportunistic Routing," SIGCOMM 2007.