List of papers for presentation in class

The list of papers for presentation by the students is given below per major course topic. One paper will be assigned to each student.

Consider the following resources as help:

ALL

- S. Keshav, How to read a paper, ACM Computer Communications, vol. 37, no. 3, pp. 83-84, July 2007
- the material at Henning Schulzrinne's pages, especially those referring to talks and reports

1. Peer to Peer Networks

BitTorrent

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1 1Uri Kanonov 23/5

1 1 Lior

1.1. B. Fan, D. Chiu, and J. C. S. Lui, "The Delicate Tradeoffs in BitTorrent-Like File Sharing Protocal Design," in Proc. of ICNP, 2006. http://www.ieee-icnp.org/2006/papers/s7a1.pdf

1.2 David R. Choffnes and Fabián E. Bustamante, Taming the Torrent: A Practical Approach to Reducing Cross-ISP Traffic in P2P Systems, <http://ccr.sigcomm.org/online/?q=node/403>, SIGCOMM 2008

File Sharing : Hash/Lookup

2 3 Dana 6/6

1.3. Ion Stoica, Robert Morris, David Karger, M. Frans Kaashoek, Hari Balakrishnan, Chord: A Scalable Peer to peer Lookup Service for Internet Applications _ MIT Laboratory for Computer Science

2 3 ????

1.4. K. Gummadi, R. Gummadi, S. Gribble, S. Ratnasamy, S. Shenker, I. Stoica_, The Impact of DHT Routing Geometry on Resilience and Proximity, ACM Sigcom2003. www.mpi-sws.org/~gummadi/papers/p1101-gummadi.ps

2 **3 Eyal**

Geographical proximity (from Yossi Shasho)
1.5 Ngoc Ben Dang, Son Tung Vu, Hoai Son Nguyen, Building a Low-latency, Proximity-aware DHT-Based P2P Network, 2009 International Conference on Knowledge and Systems Engineering, Hanoi, October 13-October 17
http://www.computer.org/portal/web/csdl/doi/10.1109/KSE.2009.49

File sharing: ISP-vs-P2P:

3 **4 Orit 13/6**

1.6. A Modeling Framework to Understand the Tussle between ISPs and Peer-to-Peer File Sharing Users
Michele Garetto (University of Torino, Italy); Daniel Figueiredo (EPFL, Switzerland); Rossano Gaeta (Universita degli Studi di Torino, Italy); Matteo Sereno (University of Torino, Italy)
Perforamnce Evaluation, June 2007

P2P Incentives:

3 **4 Tal**

1.7 One hop Reputations for Peer to Peer File Sharing Workloads,
Michael Piatek Tomas Isdal Arvind Krishnamurthy Thomas Anderson,
http://www.cs.washington.edu/homes/arvind/papers/onehop.pdf

3 **4 alexey**

1.8 Optimizing Scrip Systems: Efficiency, Crashes, Hoarders, and Altruists, Ian A. Kash, Eric J. Friedman, Joseph Y. Halpern,
http://www.cs.cornell.edu/home/halpern/papers/heterogeneity.pdf

P2P-VoD

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4 **1+2Amit 23/5 30/5**

1.9. Cheng Huang, Jin Li, Keith W. Ross, "Can Internet Video-on-Demand Be Profitable," in Proc. of ACM SIGCOMM, August 2007
http://www.sigcomm.org/ccr/drupal/?q=node/253

4 **1+2 Hadar**

1.10. N. Parvez C. Williamson, Anirban Mahanti, Niklas Carlsson
Analysis of BitTorrent-like Protocols for On-Demand Stored Media Streaming, Sigmetrics 2008
http://www.cse.iitd.ernet.in/~mahanti/papers/sig08.pdf

Managed-VOD

5 **NOT**

1.11 Matthew S. Allen, Ben Y. Zhao and Rich Wolski, Deploying Video-on-Demand Services on Cable Networks,
http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.123.3060&rep=rep1&type=pdf

5 **1+2Ohad**

1.12 Jiahua Wu, Baochun Li, Keep Cache Replacement Simple in Peer-Assisted VoD Systems,
http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.152.1860&rep=rep1&type=pdf

Traffic / Measurements

5 **1+2 Or Kamara**

1.13 **M. Cha, H. Kwak, P. Rodriguez, Y. Ahn, S. Moon, I tube, you tube, everybody tubes: analyzing the world's largest user generated content video system, in Proc. ACM IMC 2007.**
Keywords: caching, content aliasing, long tail, p2p, popularity analysis, power-law, user generated content, vod

P2P-Streaming

Surveys

6 **5 erez 20/6**

1.14. Jiangchuan Liu_, Sanjay G. Rao†, Bo Li‡, and Hui Zhang , Opportunities and Challenges of Peer-to-Peer Internet Video Broadcast, http://esm.cs.cmu.edu/technology/papers/Hui-P2PBroadcastr.pdf

6 **5**

1.15. Yong Liu · Yang Guo · Chao Liang, A survey on peer-to-peer video streaming systems, Peer-to-Peer Netw Appl (2008) 1:18–28 http://www.springerlink.com/index/C62114G6G4863T32.pdf

Papers:

7 **5 Ron**

1.16. Y. P. Zhou, D. M. Chiu, C. S. Lui, "A Simple Model for Analyzing P2P Streaming Protocols," in Proc. of IEEE ICNP 2007. http://personal.ie.cuhk.edu.hk/~dmchiu/p2pstreaming.pdf

7 **5**

1.17. Haiyong Xie, Y. Richard Yang, Arvind Krishnamurthy, Yanbin Liu and Avi Silberschatz , P4P: Provider Portal for Applications, SIGCOMM 2008 http://ccr.sigcomm.org/online/files/p351-xieA.pdf

7 **5 Miki**

1.18 D. Wu, Y. Liu, K.W. Ross, Queuing Network Models for Multi-Channel Live Streaming Systems, IEEE Infocom, Rio de Janeiro, April 2009. http://cis.poly.edu/~ross/papers/VUDTheory.pdf