

List of Projects in Wired Networks

S-Logix

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1. Bandwidth Scheduling for Energy Efficiency in High-performance Networks, IEEE Transactions on Communications, April 2017 [NS2].
2. Secrecy Outage Analysis of k-th Best Link in Random Wireless Networks, IEEE Transactions on Communications, June 2017 [NS2].
3. Low-complexity Base Station Selection Scheme in mmWave Cellular Networks, IEEE Transactions on Communications, June 2017 [NS2].
4. Multi-Constrained QoS Routing based on PSO for Named Data Networking, IET Communications, June 2017 [NS2].
5. Implementation of Intrusion Detection System and Traffic Analysis – A Case of a Linux Platform, International Journal of Computer Applications, May 2016 [NS2].
6. Session Clocking Attack Detection and Defense Strategy on TCP Session in Network, International Journal of Computer Applications, April 2016 [NS2].
7. Optimization of Video Streaming through Bufferbloat Mitigation using Hybrid FQ-CoDel Algorithm, International Journal of Computer Applications, May 2016 [NS2].
8. Improving Control over Inter ISP Traffic Volume and Enhancing Peer Selection Methodology, International Journal of Computer Applications, May 2016 [NS2].
9. Private and Verifiable Interdomain Routing Decisions, IEEE/ACM Transactions on Networking, April 2016 [NS2].
10. Multiple Network Equilibria with Two-Way TCP Flows , IEEE Communications Letters , May 2014 [NS2]
11. Novel Fastest Retransmission and Rate Control Schemes for Improving TCP Performance in Wireless Ad Hoc Network, 2014 [NS2]
12. Cross-Layer Approach for Minimizing Routing Disruption in IP Networks, IEEE Transactions on Parallel and Distributed Systems, July 2014 [NS2]

13. A Proximity-aware Interest-clustered P2P File Sharing System, IEEE Transactions on Parallel and Distributed Systems, 2014 [Java]
14. Distributed Caching via Rewarding: An Incentive Scheme Design in P2P-VoD Systems, IEEE Transactions on Parallel and Distributed Systems, 2013 [JAVA]
15. Exploring the Design Space of Multi-channel Peer-to-Peer Live Video Streaming Systems, IEEE Transactions on Networking, Feb 2013 [JAVA]
16. SocialTube: P2P-assisted Video Sharing in Online Social Networks, IEEE Transactions on Parallel and Distributed Systems, 2013 [JAVA]
17. Cooperative Caching Scheme for Content Oriented Networking, IEEE Communications Letters, April 2013 [NS2/JAVA]
18. Energy-Efficient In-Network Caching for Content-Centric Networking, IEEE Communications Letters, April 2013 [NS2/JAVA]
19. ICTCP: Incast Congestion Control for TCP in Data-Center Networks, IEEE Transactions on Networking, April 2013 [NS2]
20. Traceback of DOS over Autonomous Systems, March 2013 [NS2]
21. Estimating Instantaneous Cache Hit Ratio Using Markov Chain Analysis, IEEE Transactions on Networking, 2013. [NS2/JAVA]
22. Distributed Packet Buffers for High-Bandwidth Switches and Routers, IEEE Transactions on Parallel and Distributed Systems, July 2012 [NS2]
23. Flash Crowd in P2P Live Streaming Systems: Fundamental Characteristics and Design Implications, IEEE Transactions on Parallel and Distributed Systems, July 2012[Java]
24. Optimizing Bloom Filter Settings in Peer-to-Peer Multi-keyword Searching, IEEE Transactions on Knowledge and Data Engineering, April 2012 [Java]
25. On Optimizing Overlay Topologies for Search in Unstructured Peer-to-Peer Networks, IEEE Transactions on Parallel and Distributed Systems, May 2012 [Java]
26. Toward P2P-Based Multimedia Sharing in User Generated Contents, IEEE Transactions on Parallel and Distributed Systems, May 2012 [Java]
27. Churn-Resilient Protocol for Massive Data Dissemination in P2P Networks, IEEE Transactions on Parallel and Distributed Systems, Aug 2011 (NS2/JAVA)

28. Load Balance with Imperfect Information in Structured Peer-to-Peer Systems, IEEE Transactions on Parallel and Distributed Systems, April 2011 (NS2/JAVA)
29. Design and Evaluation of a Proxy Cache for Peer-to-Peer Traffic, IEEE Transactions on Computers, July 2011 (NS2/JAVA)
30. Measuring Multi-path Routing in the Internet, IEEE/ACM Transactions on Networking, June 2011[NS2]
31. Traceback of DDoS Attacks Using Entropy Variations, MARCH 2011 IEEE Transactions on Parallel and Distributed systems [NS2]
32. The Small World of File Sharing, IEEE Transactions on Parallel and Distributed Systems, Vol. 22, No. 7, July 2011. [NS2]
33. Performance Improvement of Delay-Based TCPs in Asymmetric Networks, IEEE Communications Letters, Mar 2011(NS2)
34. Glive: The gradient overlay as a market maker for mesh-based p2p live streaming, IEEE, 2011 [NS2]
35. Data Leakage Detection, IEEE Transactions on Knowledge and Data Engineering, January 2011 [JAVA]
36. Introducing Size-Oriented Dropping Policies as QoS-Supportive Functions, IEEE Transactions on Network Service Management, March 2010 [Java / NS2]
37. Fast Recovery from Dual-Link or Single-Node Failures in IP Networks Using Tunneling, IEEE/ACM Transactions on Networking, December 2010 [Java/NS2]
38. Formula-based TCP throughput prediction with available bandwidth: IEEE Communications Letters, April 2010 [NS2]
39. IRM: Integrated File Replication and Consistency Maintenance in P2P Systems, IEEE Transactions on Parallel and Distributed Systems, Jan. 2010 (NS2/JAVA)
40. An Advanced Hybrid Peer-to-Peer Botnet, IEEE Transactions on Dependable and Secure Computing, June 2010 (JAVA)