

Document Status & Future Work

SAM-RG

Recently Active SAM Documents

Problem Statement:*

- draft-irtf-sam-problem-statement-02.txt

XCAST:

- draft-abade-xcast20-routing-engine-spec-00.txt
- draft-ug-xcast20-protocol-spec-01.txt

Multicast API:

- draft-waehlich-sam-common-api-01
- draft-lim-irtf-sam-alm-api-00.txt

Overlay Framework:*

- draft-irtf-sam-hybrid-overlay-framework-02

*Charter Items

Emerging Topics?

- ALM traffic localization & performance optimization?
- IPTV: ALM on homegates?
- P2PSIP: ALM multicast for group conferencing?
- Hybrid multicast in mobile regimes?
- Security: Authentication issues in ALM?
- ... backed by a SAM testbed

Summary of the SAM RG interim meeting at IEEE CCNC 2010

Part I: Xcast & Multicast in Mobile Networks and Traffic Localization

- *Treemap - The Fast Routing Convergence Method for Application Layer Multicast* - Khoa Phan; Thoai Nam; Eiichi Muramoto; et al.
- *Atomic Mobile Agent Group Communication* - Jinho Ahn
- *Transparent Unicast Translation to Improve Quality of Multicast over Wireless LAN* - Y. Tanigawa; K. Yasukawa; K. Yamaoka
- *Locality Analysis of BitTorrent-Like Peer-to-Peer Systems* - Yi Cui
- *A Topology-aware Application Layer Multicast Protocol* - Reza Besharati; Mozafar Bag-Mohammadi

Part II: Tools, Testbeds & Applications

- *Scalable Application-Layer Multicast Simulations with OverSim* - Stephan M Krause; Christian Hübsch
- *An XCAST Multicast Implementation for the OverSim Simulator* - Mario Kolberg; John Buford
- *Functional and Performance Verification of Overlay Multicast Applications - A Product Level Approach* - Thilmee Baduge; Boon Ping Lim; Kunio Akashi; et al.
- *ToMo: A Two-layer Mesh/Tree Structure for Live Streaming in P2P Overlay Network* - S. Awiphan; Zhou Su; Jiro Katto
- *Improved Multicast Algorithm for Overlay Multicast in P2P based Video Streaming* - Lorenzo Favalli; Marco Folli; Matteo Lanati