

Report to the IETF-67 Plenary

Aaron Falk
irtf-chair@irtf.org

IRTF Status

- New Research Group created: End-Middle-End Research Group (EME)
- MobOpts, DTNRG, RRG meeting at this IETF
- Reviewing progress of ASRG, P2PRG, and RRG

Anti-Spam Research Group

- Inactive. Possibly due to DKIM.

Delay-Tolerant Networking Research Group

- Met this morning
- 13 active drafts; finalizing “*DTN Architecture*” document
- Interop going on in the terminal room (through Friday)
 - 4 Langs: C++, Java, C#, C
 - 4 OS: Symbian cell phone, MacOS, Linux, Win32.net
 - 4 Machines: PC, Nokia 770 PDA, Nokia cell phone
 - *Everything interoperated with everything else*
 - *9 DTN hop linear network also demonstrated*
- DTN was used in (very) northern Sweden to provide delay-tolerant Internet access to Saami reindeer herders

End-Middle-End Research Group

- Just chartered, following BoF in Montreal
- Goal: *“provide a way for end-to-end communication to explicitly address middleboxes, so that their behavior can be understood, monitored and controlled”*
- Developing an architecture, will consider design choices, deployment

End-to-End Research Group

- Planning a February RG meeting in the UK

Host Identity Protocol Research Group

- Not meeting at IETF-67; planning to meet at IETF-68
- “*HIP over NAT problem statement*” completed IRSG review; in RFC Editor’s queue
- RG recently started discussing how to encourage more experimentation

Internet Congestion Control Research Group

- Developing catalog of *“Congestion Control in the RFC Series”*
 - Focus is not TCP, where we already have a roadmap, but everything else: e.g., ECN, UDP, DCCP, multicast
- Planning a meeting on Feb 6, 2007, co-located with PFLDnet (in Los Angeles)

Internet Measurement Research Group

- Inactive. Possibly dead.

IP Mobility Optimizations Research Group

- Last-calling “*Unified L2 Abstractions for L3-Driven Fast Handover*”
- Other topics:
 - Multicast & IPv6 mobility
 - Location Privacy

Network Management Research Group

- RG met in Utrecht (Netherlands) on 19-20 October 2006
 - Discussed of network management research challenges (5 year timeframe)
 - Recommending additional NM research include monitoring, anomaly detection, behavior modeling, probabilistic management approaches, algorithms for handling mgmt data, others.
 - Position statements, slides, and detailed minutes online
 - Consolidated report planned to be posted as an ID

Peer-to-Peer Research Group

- Some discussion of future directions for the group

Routing Research Group

- Meeting on Friday
- Will have extended report on the work of the sub-group working on scalability research
- Trying to determine interest in continuing the group
- Call for interest from chair:

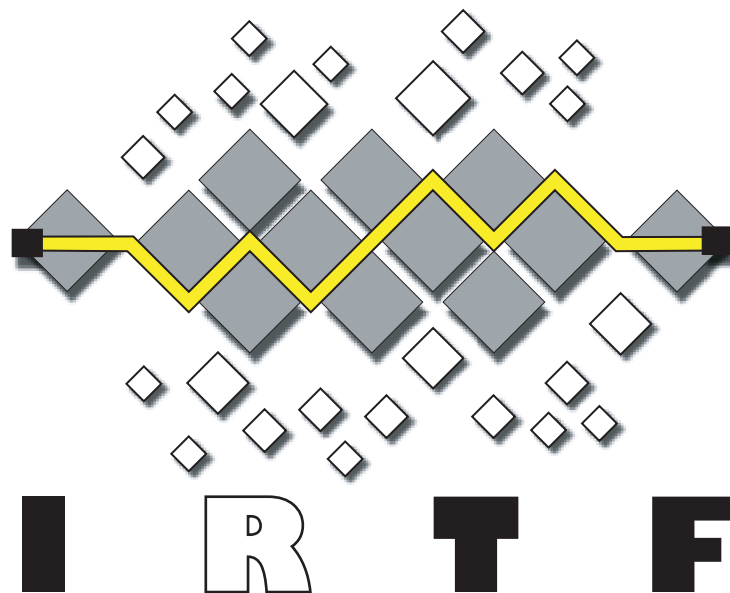
There is lots to be done, but do we have any interest in doing it? The group is looking for some good routing research ideas. There are lots of graduate students who have no real local inspiration who would love to work on some inspired ideas.

Scalable, Adaptive Multicast Research Group

- Met at IETF 67
- Next meeting at Workshop on Peer-to-Peer Multicasting at IEEE Consumer Communications and Networking Conference, Jan 11, 2007 in Las Vegas
- Three active IDs: *requirements, problem statement, survey*

Transport Modeling Research Group

- Preparing *"Metrics for the Evaluation of Congestion Control Mechanisms"* for publication
- Plans by next IETF:
 - *Metrics* document passed to IRSG to go to Informational.
 - *Tools* document complete and stable in TMRG.
 - *Best-current-practice scenarios* out in drafts, ready for a possibly-long period of additions, feedback, and disagreements in the RG.



<http://www.irtf.org>