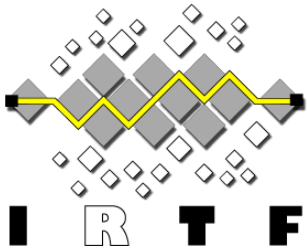


Update on the Internet Research Task Force

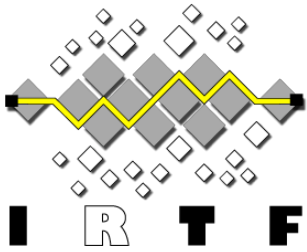
Aaron Falk
IRTF Chair

IETF-68 -- Prague, Czech Republic



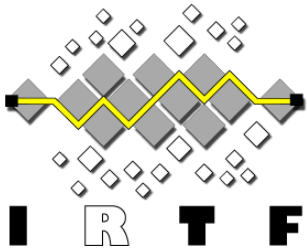
IRTF Status

- New charter, energy for the Routing Research Group
- Revising IRTF RFC review and publication process
- ICCRG to assist IETF Transport Area by reviewing congestion control proposals



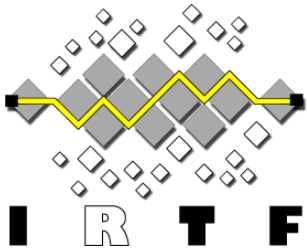
Anti-Spam Research Group

- Energetic discussion of a couple drafts:
 - *BCP on DNS-based Blacklists*
 - *“Criteria for Proposed Techniques for the Management of Spam”*



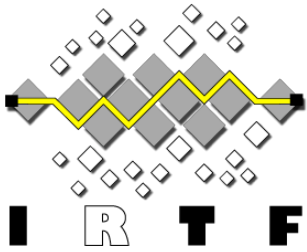
Delay-Tolerant Networking Research Group

- Meeting planned in Dublin, May 21/22, aiming to progress routing, key management, and applications
- “*DTN Architecture*” in RFC Editor queue
- “*DTN Bundle Protocol Spec*” finishing up IRSG review
- Finishing RG review on LTP, a transport protocol for interplanetary-scale delays



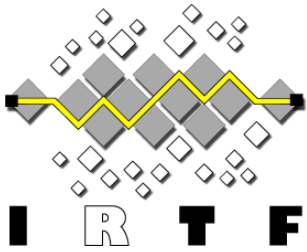
End-Middle-End Research Group

- Circulating 1st draft of a requirements doc
- Planning to meet at IETF in Chicago



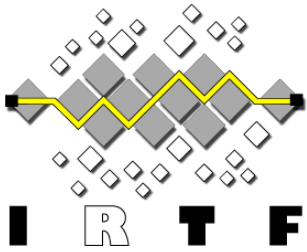
End-to-End Research Group

- Met at University College London, on February 26-27
- Agenda included revisiting congestion control, network architecture research (incl. discussion of NSF FIND and EU Eiffel programs), re-considering the end-to-end questions.



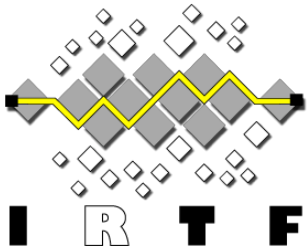
Host Identity Protocol Research Group

- Meeting at IETF68
- Stability of HIP implementations is improving
- On the agenda for Friday:
 - Lightweight HIP
 - HIP & Mobility
- Moved API, NAT, and Applications drafts to IETF HIP WG
- Encouraging increased focus on experiments in RG



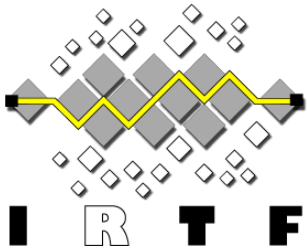
Internet Congestion Control Research Group

- Met February 12-13 in Los Angeles after PFLDnet
- Working with TSV ADs on evaluating & publishing congestion control proposals
- Developing draft describing current congestion control RFCs
- Discussing many other issues (fairness concepts, corruption loss, etc.)
- Rotated co-chairs
- Planning to meet in Chicago in conjunction with IETF-69



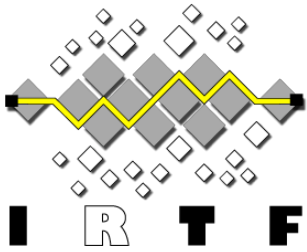
Internet Measurement Research Group

- Planning a workshop on Oct 4.
 - “...on classifying traffic by application or application type regardless of whether standard ports, tunneling, encryption, etc. is employed in an attempt to evade classification.”
- Watch the IMRG and IPPM lists for an announcement



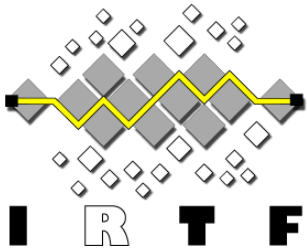
IP Mobility Optimizations Research Group

- Published IRTF RFC 4651 “*A Taxonomy and Analysis of Enhancements to Mobile IPv6 Route Optimization*”
- “*Unified L2 Abstractions for Fast Handovers*” has completed RG review
- Met today -- working on:
 - Location Privacy,
 - Multicast and Mobility,
 - Policy Implications on Mobility



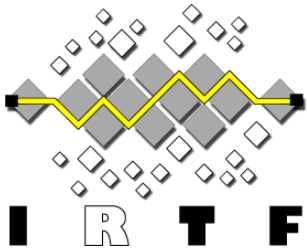
Network Management Research Group

- Organized a workshop in Oct 2006 “*to identify network management research challenges for the next ~5 years*”
 - Talk to follow
 - Paper and ID in development
- Finalizing a draft on SNMP trace exchange formats and considerations
- At this week's meeting:
 - Adaptive monitoring work that permits tradeoffs between overhead & accuracy



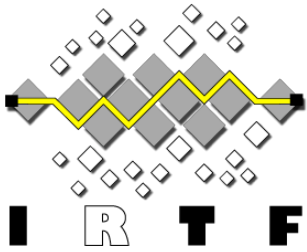
Peer-to-Peer Research Group

- A group member has authored “*Survey of Research towards Robust Peer-to-Peer Networks*”



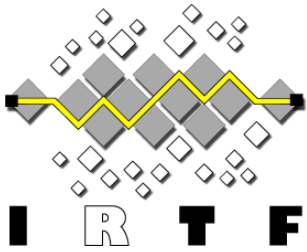
Routing Research Group

- Met in Prague on 3/17
- New charter and chairs in place
- Working on new routing & addressing architecture



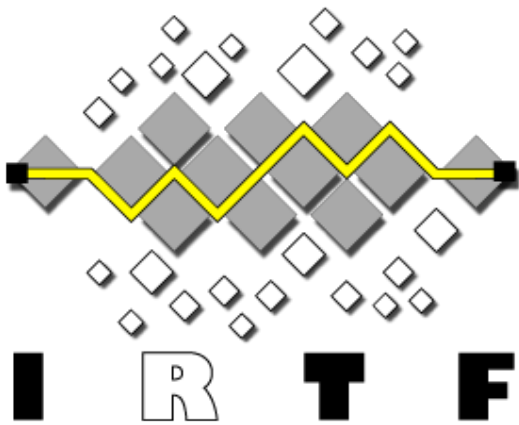
Scalable, Adaptive Multicast Research Group

- Held interim meeting Jan 2007 at Workshop on Peer-to-Peer Multicasting (P2PM 07)
- 3 drafts active: *problem statement, requirements, hybrid framework*
- Doing some preliminary experimental work on PlanetLab



Transport Modeling Research Group

- Submitted *Metrics* document to IRSG to be considered for Informational RFC.



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