

# IRTF Open Meeting

Lars Eggert

IRTF Chair

IETF-90, Toronto, Canada

# IRTF IPR Policy

**The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules.** This is a summary of these rules as they relate to IRTF research group discussions, mailing lists and Internet Drafts:

- If you include your own or your employer's IPR in a contribution to an IRTF research group, then you must file an IPR disclosure with the IETF.
- If you recognize your own or your employer's IPR in someone else's contribution and you are participating in the discussions in the research group relating to that contribution, then you must file an IPR disclosure with the IETF. Even if you are not participating in the discussion, the IRTF still requests that you file an IPR disclosure with the IETF.
- Finally, the IRTF requests that you file an IPR disclosure with the IETF if you recognize IPR owned by others in any IRTF contribution.

**The IRTF expects that you file IPR disclosures in a timely manner, i.e., in a period measured in days or weeks, not months. The IRTF prefers that the most liberal licensing terms possible are available for IRTF Stream documents, see RFC 5743.** You may file an IPR disclosure here: <http://www.ietf.org/ipr/file-disclosure>

See RFC 3979 (BCP 79) for definitions of "IPR" and "contribution" and for the detailed rules (substituting "IRTF" for "IETF").

# Administrativa

- **Today's slides**

- <https://datatracker.ietf.org/meeting/90/materials.html#session.group-irtfopen>

- **Remote participation**

- <https://www.ietf.org/meeting/90/remote-participation.html>

- **Mailing lists**

- <https://irtf.org/mailman/listinfo/irtf-announce>
- <https://irtf.org/mailman/listinfo/irtf-discuss>

# IRTF Open Meeting Agenda

Tuesday, 14:20-16:20

**14:20** State of the IRTF

Lars Eggert

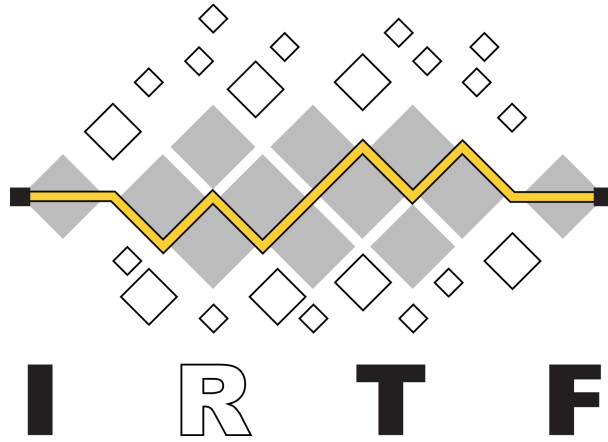
**Applied Networking Prize 2013 (ANRP) Award**

**14:30** BGP Security in Partial Deployment

Robert Lychev

**15:15** Towards Quantum-Safe Cryptography

Michele Mosca



# State of the IRTF

# IRTF Meetings This Week

## Four RGs are meeting this week; two proposed RGs are meeting

- Information-Centric Networking (**ICNRG**)
- Crypto Forum (**CFRG**)
- Software-Defined Networking (**SDNRG**)
- Network Management (**NMRG**)

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- Proposed Datacenter Latency Control (**DCLCRG**)
  - Proposed Network Function Virtualization (**NFVRG**)

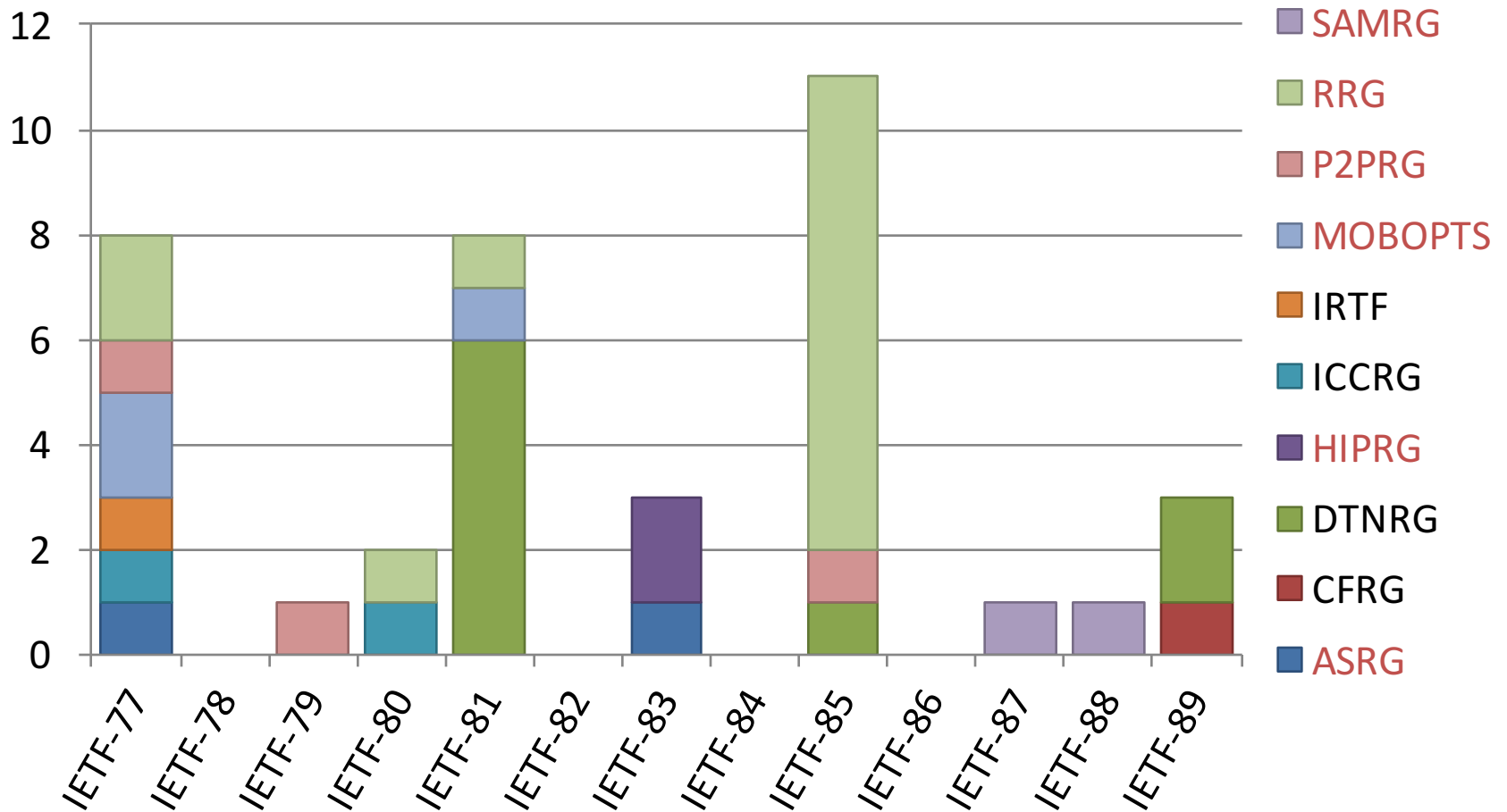
## Other IRTF-related meetings

- **IRTF Open Meeting**  
Tuesday, 14:20
- No RG review with the IAB this time

# Research Group Status

- **Active**
  - CFRG, DTNRG, NWCRG
- **Little activity**
  - ICCRG, ICNRG, NMRG, SDNRG
- **Closing**
- **Closed**
  - NCRG, RRG

# IRTF Stream RFC Publications





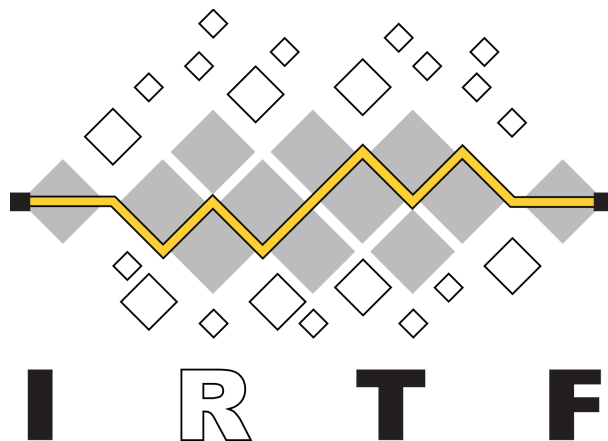
# IRTF RFC Publications since IETF-89

- **DTNRG**

- **RFC 7122** on Datagram Convergence Layers for the Delay- and Disruption-Tolerant Networking (DTN) Bundle Protocol and Licklider Transmission Protocol (LTP)
- **RFC 7242** on Delay-Tolerant Networking TCP Convergence-Layer Protocol

- **CFRG**

- **RFC 7253** on The OCB Authenticated-Encryption Algorithm



# Applied Networking Research Prize Awards & Presentations

# Applied Networking Research Prize

- Jointly with ISOC
- 46 nominations for 2014 (record!)
- Selection committee of IETF, IRTF, past winners
- Six prize winners for 2014
  - **Robert Lychev**
  - **Misbah Uddin (also at IETF-91)**
  - Kenny Paterson
  - Keith Winstein
  - (plus two more at IETF-91)
- Talks at the IRTF Open Meeting

*“...awarded for recent results in applied networking research that are relevant for transitioning into shipping Internet products and related standardization efforts...”*

**Nomination period for 2015 open now!**

[irtf.org/anrp/2015/](http://irtf.org/anrp/2015/)

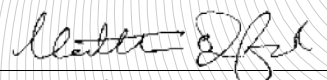
# Applied Networking Research Prize



Presented to  
**Robert Lychev**



Robert Lychev, Sharon Goldberg and Michael Schapira.  
**BGP Security in Partial Deployment.**  
Proc. *ACM SIGCOMM*, Hong Kong, China, August 2013.



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Mat Ford, Internet Society



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Lars Eggert, IRTF Chair