IRTF Open Meeting

Lars Eggert

IRTF Chair

IETF-93, Prague, Czech Republic

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/93/materials.html#irtf
- **Remote participation**
  - https://www.ietf.org/meeting/93/remote-participation.html
- **Mailing lists**
  - https://irtf.org/mailman/listinfo/irtf-announce
  - https://irtf.org/mailman/listinfo/irtf-discuss

IRTF Open Meeting Agenda
Monday, 13:00-15:00

13:00 **State of the IRTF** Lars Eggert

Applied Networking Prize 2015 (ANRP) Awards

13:15 **Pretty Bad Privacy:** Haya Shulman
Pitfalls of DNS Encryption

14:00 **DRAGON: Distributed Route** João Luís Sobrinho
Aggregation on the Global Network
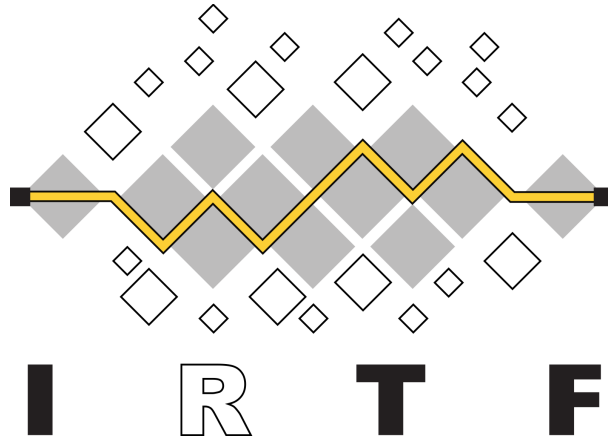
State of the IRTF

IRTF Meetings This Week

Eight (out of nine!) RGs are meeting this week; three proposed RGs are meeting

- Crypto Forum (**CFRG**)
- Global Access to the Internet for All (**GAIA**)
- Internet Congestion Control (**ICCRG**)
- Information-Centric Networking (**ICNRG**)
- Network Function Virtualization (**NFVRG**)
- Network Management (**NMRG**)
- Network Coding (**NWCRG**)
- Software-Defined Networking (**SDNRG**)

- <u>Proposed</u> How Ossified is the Protocol Stack? (**HOPSRG**)
- <u>Proposed</u> Human Rights Protocol Considerations (**HRPC**)
- <u>Proposed</u> Thing-to-Thing (**T2TRG**)
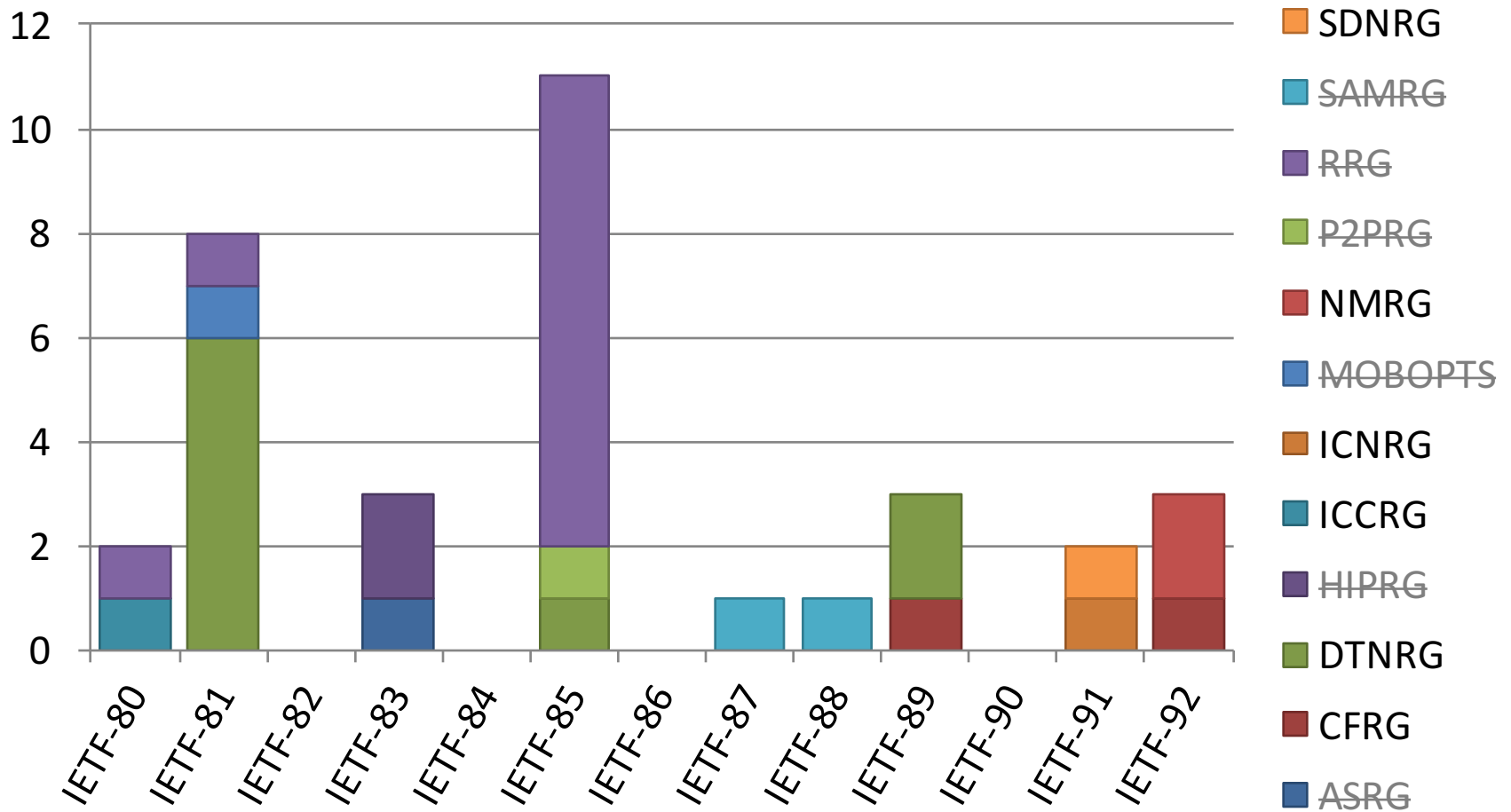
Other IRTF-related meetings

- **IRTF Open Meeting** Monday, 13:00
- Review of **GAIA** with the IAB (?)

Research Group Status
(subjective)

- **Active**
  - CFRG, GAIA, ICNRG, NFVRG, NMRG, NWCRG, SDNRG
- **Little activity**
  - DTNRG, ICCRG
- **Proposed**
  - HOPSRG, HRPC, T2TRG

IRTF Stream RFC Publications

IRTF RFCs since IETF-90 (not 91)

- **SDNRG**
  - **RFC 7426** on Software-Defined Networking (SDN): Layers and Architecture Terminology
- **ICNRG**
  - **RFC 7476** on Information-Centric Networking: Baseline Scenarios
- **CFRG**
  - **RFC 7539** on ChaCha20 and Poly1305 for IETF Protocols
- **NMRG**
  - **RFC 7575** on Autonomic Networking: Definitions and Design Goals
  - **RFC 7576** on General Gap Analysis for Autonomic Networking
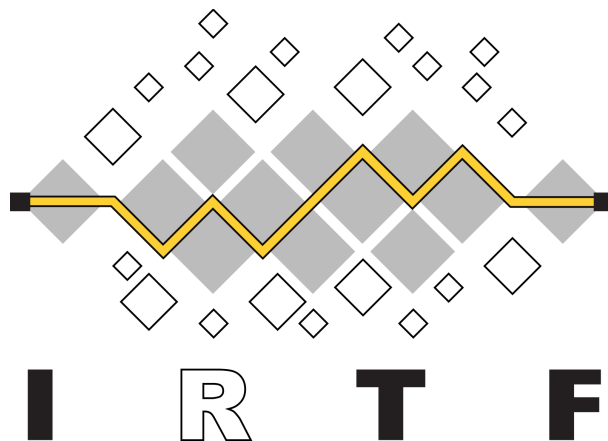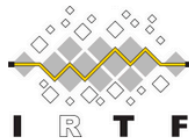
Research and Applications of Internet Measurements (RAIM)

Saturday, October 31, 2015
Yokohama, Japan

https://irtf.org/raim-2015

IRTF & ISOC Workshop on
Research and Applications of Internet Measurements (RAIM)

in Cooperation with **ACM SIGCOMM**

Saturday, October 31, 2015
Yokohama, Japan

Call for participation

To increase collaboration between industry and academia in the field of networking, the Internet Research Task Force (IRTF) and the Internet Society (ISOC) in cooperation with ACM SIGCOMM are organizing a workshop on Research and Applications of Internet Measurements (RAIM), scheduled for the Saturday in between the 2015 ACM SIGCOMM Internet Measurement Conference (IMC) in Tokyo and the 94th Internet Engineering Task Force (IETF) meeting in Yokohama.

https://irtf.org/raim-2015

Participation

Workshop attendance is by invitation only. Individuals interested in participating are invited to submit *one* of the following two submission types at https://irtf.org/raim-submit:

1. an original *short position paper* (four pages or less) outlining their views on topics related to the workshop; or

2. a copy of a *previously published academic paper* related to the topics of the workshop.

The collection of submitted position papers and references to published academic papers will be made available online. The IETF "Note Well" does *not* apply to workshop submissions or any discussions at the workshop. We are investigating whether the workshop can be recorded and/or live-streamed. Remote inbound participation will not be possible.

Deadlines

Submission deadline: Friday, August 7, 2015

Notifications: Friday, August 28, 2015

Workshop date: Saturday, October 31, 2015
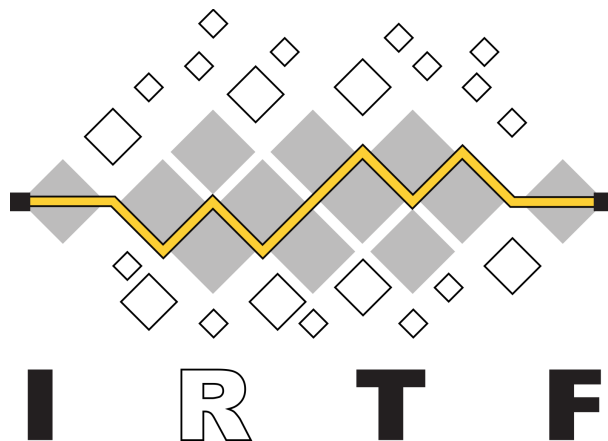
Applied Networking Research Prize
Awards & Presentations

Applied Networking Research Prize

- Jointly with ISOC, additional support by Comcast
- 33 nominations for 2015 (46 in 204)
- Selection committee of IETF, IRTF, past winners
- Five prize winners for 2015 (six 2014)
  - **Haya Shulman**
  - **João Luís Sobrinho**
  - (two more IETFs 94 & 95)
- 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 2016 open now!
http://irtf.org/anrp

Corporate ANRP Support

- Comcast has offered to support the ANRP
- **THANK YOU!**

- We're open for additional corporate support
- Contact **anrp@irtf.org**

"We like the Applied Network Research Prize because it encourages novel research that helps companies like Comcast and our partners build better Internet services and technologies for end users, and helps the community move important standards work into deployable technology more effectively."

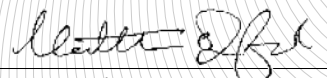**Jason Livingood, VP Internet Services**

Applied Networking Research Prize

Presented to

Haya Shulman

Haya Shulman. **Pretty Bad Privacy: Pitfalls of DNS Encryption.**
Proc. *ACM Workshop on Privacy in the Electronic Society (WPES)*,
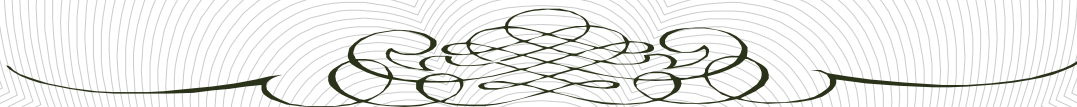Scottsdale, AZ, USA, November 3, 2014.

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Mat Ford, Internet Society

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Lars Eggert, IRTF Chair

Applied Networking Research Prize

Presented to

João Luís Sobrinho

João Luís Sobrinho, Laurent Vanbever, Franck Le and Jennifer Rexford.
Distributed Route Aggregation on the Global Network.
Proc. *ACM CoNEXT,* Sydney, Australia, December 2-5, 2014.

Mat Ford, Internet Society

Lars Eggert, IRTF Chair