

# **IRTF Open Meeting**

Lars Eggert

IRTF Chair

IETF-97, Seoul, South Korea

# 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/97/materials.html#irtf>

- **Remote participation**

- <https://www.ietf.org/meeting/97/remote-participation.html>

- **Mailing lists**

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

# IRTF Open Meeting Agenda

Monday, 15:50-17:50

**15:50** **State of the IRTF**

Lars Eggert

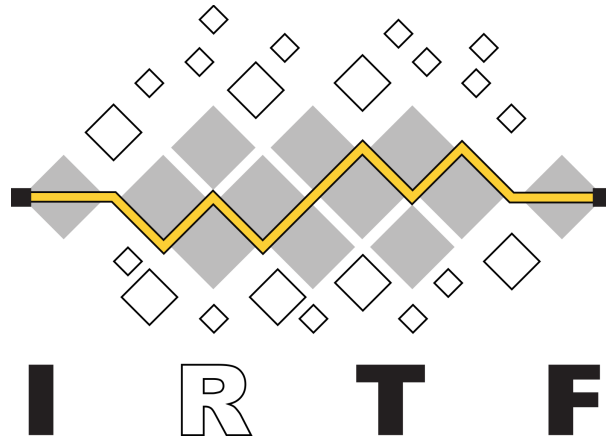
## **Applied Networking Prize 2016 (ANRP) Awards**

**16:00** **Central Control Over Distributed Routing**

Olivier Tilmans

**16:45** **SMAPP: Towards Smart Multipath TCP-enabled Applications**

Benjamin Hesmans



# State of the IRTF

# IRTF Meetings This Week

## Ten RGs are meeting this week; one proposed RG is meeting

- Crypto Forum (**CFRG**)
- Human Rights Protocol Considerations (**HRPC**)
- Internet Congestion Control (**ICCRG**)
- Information-Centric Networking (**ICNRG**)
- **Measurement and Analysis for Protocols (MAPRG)**
- Network Function Virtualization (**NFVRG**)
- Network Management (**NMRG**)
- Network Coding (**NWCRG**)
- Software-Defined Networking (**SDNRG**)
- Thing-to-Thing Research Group (**T2TRG**)

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- Proposed Network Machine Learning (**NMLRG**)

## Other IRTF- related meetings

- **IRTF Open Meeting**  
Monday, 15:50
- Review of **HRPC**  
with the IAB



# MAPRG

- The Measurement and Analysis for Protocols Research Group Research Group ([MAPRG](#)) aims to provide a forum for interchange between these two communities, supporting:
  - exchange of measurement-derived insight;
  - discussion of techniques and best practices for measurement relevant to protocol engineering and network operations;
  - collaborations to share data supporting these measurements; and
  - a “landing pad” for the Internet measurement community to introduce its efforts to the [IETF](#).

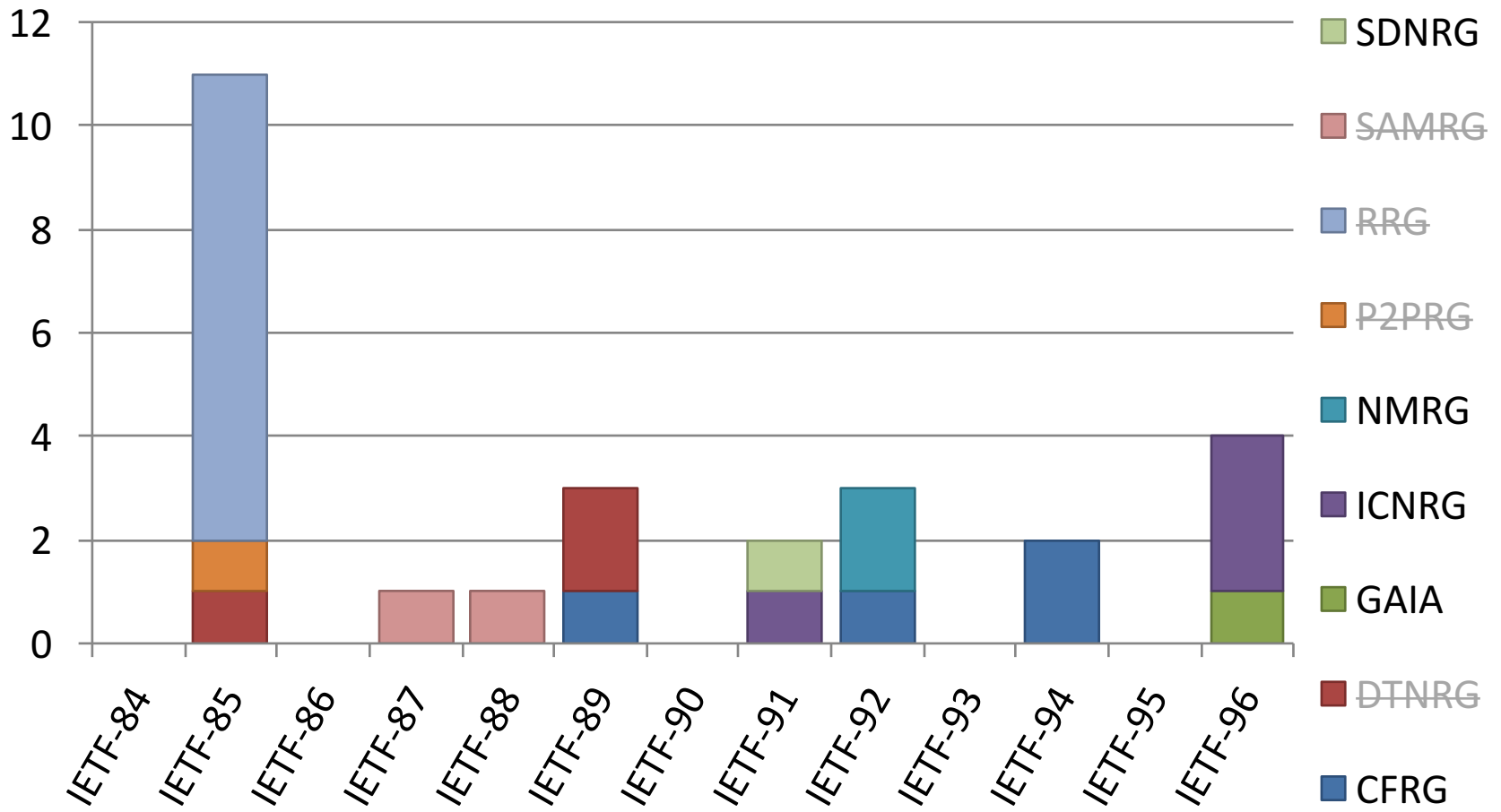
# Research Group News

- **HRPC**

- 1<sup>st</sup> document going into Last Call next week
- Last Call will last a month
- (Extensive) reviews appreciated

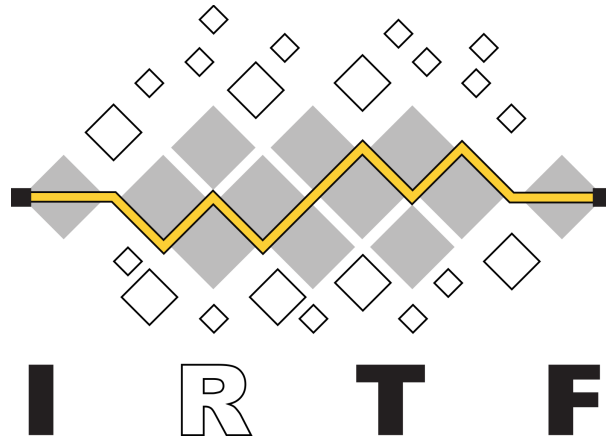


# IRTF Stream RFC Publications



# IRTF RFCs since IETF-96

- **ICNRG**
  - **RFC 7927** on Information-Centric Networking (ICN) Research Challenges
  - **RFC 7933** on Adaptive Video Streaming over Information-Centric Networking (ICN)
  - **RFC 7945** on Information-Centric Networking: Evaluation and Security Considerations
- **GAIA**
  - **RFC 7962** on Alternative Network Deployments: Taxonomy, Characterization, Technologies, and Architectures

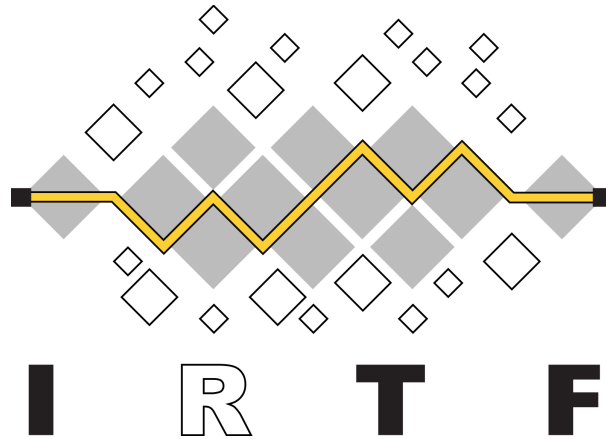


# IRTF Chair Selection

# Welcome, Allison!

Allison Mankin is an Internet protocol lead and researcher based in the Washington DC area, and holds the position of Senior Director, Public DNS, at Salesforce. She has a long history in and around the IETF and IRTF, including serving as Nomcom Chair, Transport AD (most recently stepping down in 2006), and IPng AD. In the IRTF, she chaired the Reliable Multicast RG and then moved it to the IETF as the RMT WG. She has worked in a diverse set of industry, academic and government settings. Some of her positions prior to Salesforce were at Verisign, JHU Applied Physics Lab, the US National Science Foundation (NSF), Bell Labs, and USC/ISI. As a program director at the US NSF, Allison was a leader of the Future Internet Design (FIND) program, which initiated the funding of info-centric networking and also played an early role in software-defined networking.



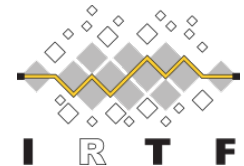


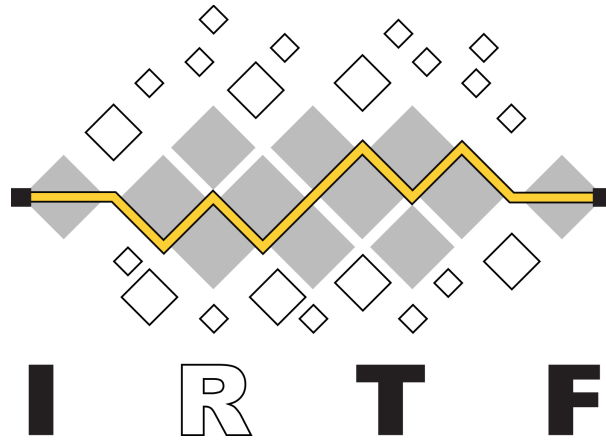
# Applied Networking Research Workshop

<https://irtf.org/anrw/2016/>

# ANRW 2017

- Academic, peer-reviewed workshop
- Collocated with IETF-99 in Prague, Czech Republic on **Sat, July 15**
- TPC chairs:
  - Renata Teixeira, INRIA
  - Jörg Ott, TU Munich
- Open access proceedings





# Applied Networking Research Prize

<https://irtf.org/anrp>

# Applied Networking Research Prize

- Jointly with ISOC
- 53 nominations for 2016
- Selection committee of IETF, IRTF, past winners
- Six prize winners for 2016
- 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...”*

Supported by:





# ANRP Awards at IETF-97

**Olivier Tilmans** for the  
Fibbing architecture that  
enables central control  
over distributed routing

Stefano Vissicchio, Olivier Tilmans,  
Laurent Vanbever and Jennifer Rexford.  
**Central Control Over Distributed  
Routing.** Proc. *ACM SIGCOMM*, London,  
UK, August 2015.

**Benjamin Hesmans** for  
enabling applications to  
control how Multipath  
TCP transfers data

Benjamin Hesmans, Gregory Detal,  
Sebastien Barre, Raphael Bauduin and  
Olivier Bonaventure. **SMAPP: Towards  
Smart Multipath TCP-enabled  
Applications.** Proc. *ACM CoNEXT*,  
Heidelberg, Germany, December 2015.