

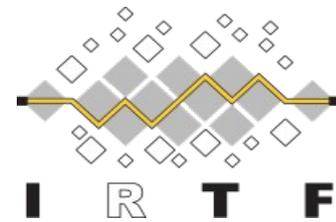
IETF-95 (Buenos Aires)

Proposed NMLRG Meetings (Network Machine Learning)

Thursday Morning session I, 10:00-12:30
Buen Ayre A

Last update: March, 12nd, 2016

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

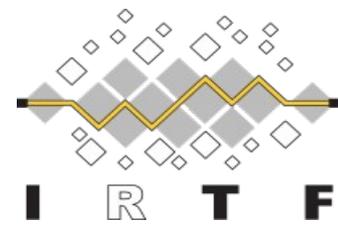
- *If you include your own or your employer's IPR in a contribution to an IRTF research group, then you must file an IPR disclosure with the IETF.*
- *If you recognize your own or your employer's IPR in someone else's contribution and you are participating in the discussions in the research group relating 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: [hHp://www.ietf.org/ipr/file-disclosure](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”).

Before begin the meeting



- Mailing List

nmlrg@irtf.org

<https://www.irtf.org/mailman/listinfo/nmlrg>

- Proposed NMLRG web page:

<https://datatracker.ietf.org/rg/nmlrg/>

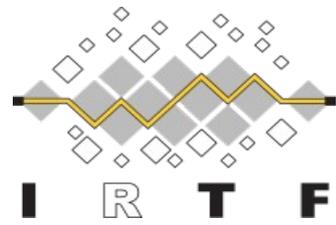
<http://trac.tools.ietf.org/group/irtf/trac/wiki/nml>

- WG co-chairs:

- Albert Cabellos

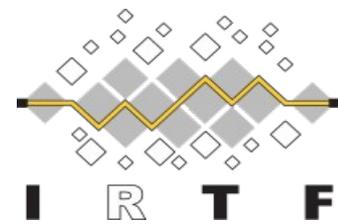
- Sheng Jiang

Before begin the meeting (2)



- Blue sheets
- Need Jabber scribe(s)
- Need minutes takers
- Remote participation –
<https://www.ietf.org/meeting/95/remote-participation.html>
- Slides
<https://datatracker.ietf.org/meeting/95/materials.html#nmlrg>

Meeting Agenda

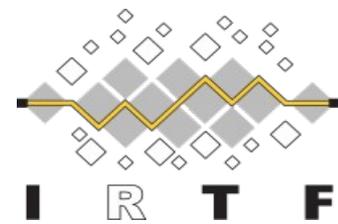


Thursday (April 7th, 2016) 2.5-hour session:

10:00-12:30 Thursday Morning session I, Buen Ayre A

1. WG Dash - 5 min
10:00 - 10:05, by co-chairs
2. Meeting theme guidance - 10 min
10:05 - 10:15, by Sheng Jiang
3. HTTPS Traffic classification - 25 min
10:15 - 10:40, by Jérôme François
4. ML in the Router: Learn from and Act on Network Traffics - 25 min
10:40 - 11:05, by Bing Liu
5. Applications of machine learning to flow-based monitoring - 20 min
11:05 - 11:25, by Josep Sanjuas (Remote)

Meeting Agenda (2)



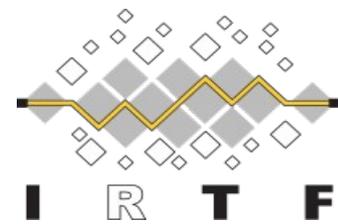
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6. Malicious domains: automatic detection with DNS traffic analysis - 20 min
11:25 - 11:45, by Giovane Moura
7. Machine-learning based policy derivation and evaluation in broadband networks - 20 min
11:45 - 12:05, Panagiotis Demestichas (Remote)
8. Predicting Interface Failures For Better Traffic Management - 20 min
12:05 - 12:25 by Rudra Saha (Remote)
9. Summary & NMLRG Future activities - 5 min
12:25 -12:30, by co-chairs

Standby presentation: Analytic Framework for NFV Orchestrator
by Vic Liu

NMLRG # 3



□ “Network Machine Learning” workshop

- as part of the stream “Standardisation”, merged in a half-day workshop with “Research and Standards for Self-Managing 5G Networks”, June 27, 2016
- European Conference on Networks & Communications (EuCNC 2016)
- Athens, Greece, June 27-30, 2016
- <http://www.eucnc.eu/>

Self-organizing in ETSI NGP

- ETSI NGP ISG
 - Next Generation Protocol Industry Specification Group
- Self-organizing Control & Management Planes (work item)
 - Calling contributions & participations
 - Introducing machine learning as mechanism for autonomic decision
 - <https://portal.etsi.org/tb.aspx?tbid=844&SubTB=844>