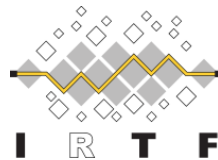# Foreword

IRTF follows IETF policy ("Note Well")

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:
- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:
- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/ (Privacy Policy)

Useful links

Agenda and Materials

https://datatracker.ietf.org/meeting/interim-2018-nmrg-02/session/nmrg

Remote participation

https://ietf.webex.com/ietf/j.php?
MTID=ma5967a15ef22ff9216f7bfa0ff74d73e

meeting password: noms2018

Agenda

1.Meeting introduction, NMRG chairs (5min.)

2. Autonomic networking retrospective, Laurent Ciavaglia, NMRG co-chair (10 min.)

3. Autonomic networking future, Sven van der Meer, Ericsson (15 min.)

4. Intent based networking, concepts and definitions, Alexander Clemm, Huawei (15 min.)

5. Exploiting external event detectors to anticipate resource requirements for the elastic adaptation of SDN/NFV systems, Pedro Martinez-Julia, NICT (15 min.)

6. Multi-MANO interworking for the management of multi-domains networks, Alex Galis, UCL (15 min.)

7. ~~Towards data-driven management, Kohei Shiomoto, TCU (15 min.)~~ Cancelled due to agenda conflict.

8. Analytics and security monitoring, Jerome Francois, INRIA (15 min.)

9. ~~Converging SDN and NFV at the network edges: the lightMANO approach, Roberto Riggio, Create-Net / FBK (15 min.)~~ Cancelled due to agenda conflict.

10. Open discussion:

   - Discussion for next steps on research items 4, 5, 6, 7, 8, 9

   - Gaps, challenges, and propositions for an actualized road-map towards next generation autonomic networking (items 2 and 3)

11. Demo Multi-MANO interworking, Alex Galis, UCL

Network Management Research Group

Chairs: Laurent Ciavaglia, Lisandro Z. Granville

NMRG

- A forum for researchers to explore new technologies for the management of the Internet.

- An activity of the IRTF – Internet **Research** Task Force
  - Not a standardization group
  - But "privileged link" with IETF

- Open
  - Mailing list
  - Meets 3-4 times / year, co-located with IETF meetings, IM/NOMS conferences, and ad-hoc/topical meetings

2018 meetings plan

Tentative list to be discussed
- NOMS 2018, Taiwan, April
- IETF 102, Montreal, July
- IETF 103, Bangkok, November

Interim and topical meetings with other groups/events.
Open for suggestions.

NMRG "topics"

Research agenda organized around "themes"

- Intent based Network Management

- AI techniques for Network Management

- Autonomics 2.0…

- Other topics of interest and volunteers to progress the work?

- Derive research items, work plan and milestones

Access NMRG resources

- Charter, Meetings, Documents, Mailing list

  https://datatracker.ietf.org/rg/nmrg/about/

  https://irtf.org/nmrg

  https://www.irtf.org/mailman/listinfo/nmrg