2nd QUIC and Satellite Open Stakeholder Meeting

Thursday 2nd December 2021, On-Line, via Webex

https://ti.to/uoaerg/2nd-quic-and-satellite-open-stakeholder-meeting

esa MTAILS Project

Topics of Interest

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- **Experience with IETF QUIC using Broadband Satellite**
- **New Transport Mechanisms for QUIC over Satellite**
- **Network-Layer Techniques for Encrypted Traffic (QoS, ECN, AQM)**
- **Analysis of Concatenated Transport Paths (e.g. QUIC with Satcom and WiFi or Cellular)**
- **Operating and Managing Satellite Networks with Encrypted Traffic**

Note Well

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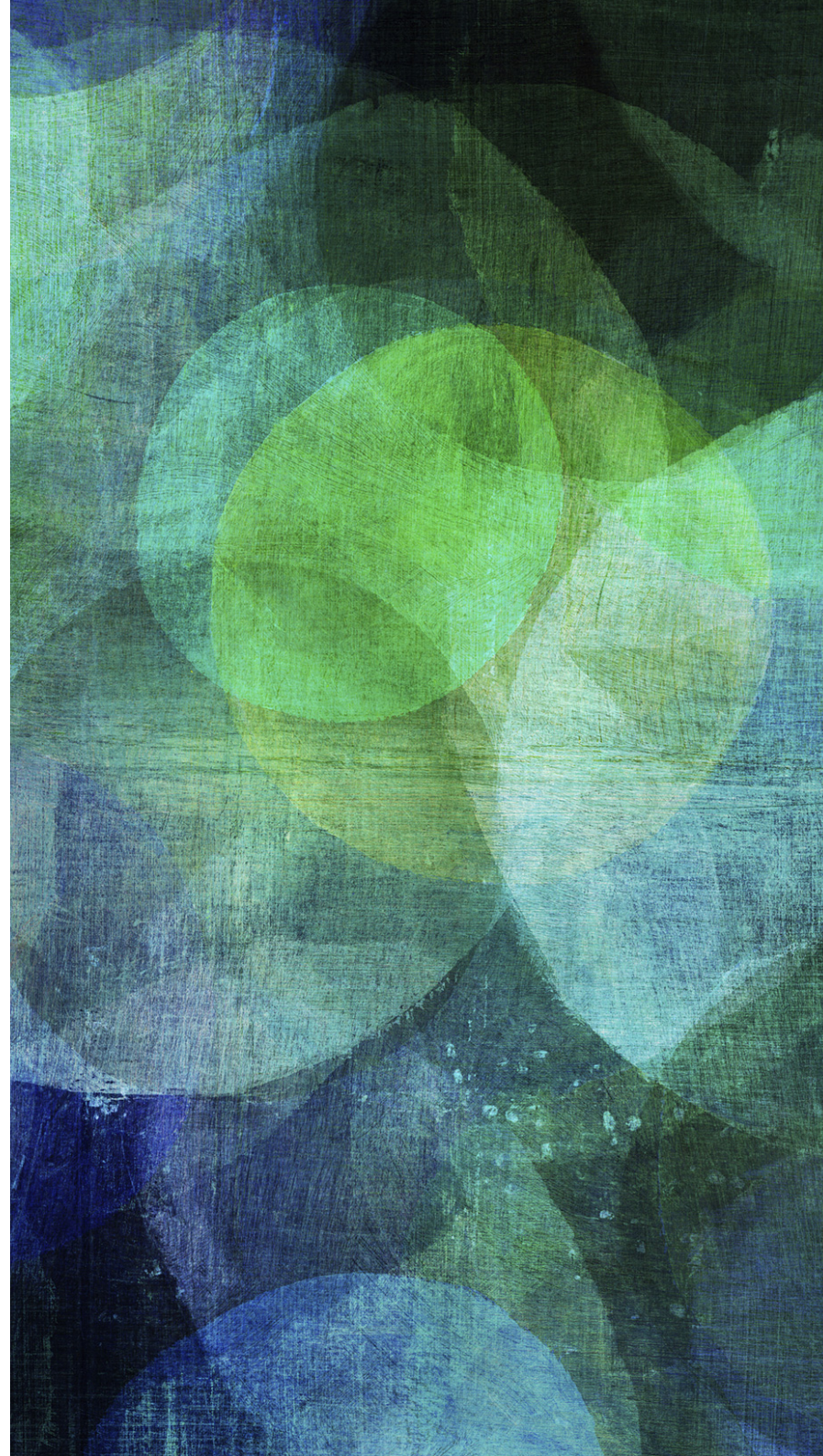
Workshop Program: Part 1

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Introduction/coordination

   Gorry Fairhurst (5 minutes)

Part 1: QUIC Implementation and Performance

(1.1) Evolution of QUIC and Satellite over the Last 3 Years

   Gorry Fairhurst, Tom Jones, Ana Custura

(1.2) Protocols, QUIC, and SATCOM

   Joerg Deutschmann

(1.3) Performance implications of interoperability

   Nicolas Kuhn

Workshop Program: Parts 2 and 3

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Part 2: Mechanisms to Enhance QUIC Performance

(2.1) Application-Layer QoS Metrics To Aid Network Performance Monitoring and Diagnostics For Encrypted Traffic

<u>Chi-Jiun Su</u>

(2.2) Sliding Window FEC (SWF) over Satellite Networks

<u>Matthieu Petrou</u>

(2.3) Can QUIC Proxies Help Satellite Performance?

<u>Joerg Deutschmann</u>

(2.4) Transport parameters for 0-RTT connections

<u>N. Kuhn</u>, E. Stephan, G. Fairhurst, T. Jones, C. Huitema

Part 3: Questions and Observations about QUIC over Satellite

Organisation

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Use the webex chat for questions
- **+1 to join the questions queue**
- **-1 to remove yourself from queue**

Follow-up after the meeting:
- Please use the EToSat non-WG mailing list to discuss performance implications of running encrypted transports such as QUIC over satellite.

We do plan to <u>record the session</u>!