

Symposium 2019

May 7 2019 Diepenbeek, Belgium

Reminder: Code of Conduct

WiFi: QUIC-SYMPOSIUM udpisthenewtcp2019



Livestream URLs:

https://youtu.be/dmp2sFVOUB0

https://youtu.be/R4j7X5ktoT8

Planning

Time	Activity
10:00 - 10:20	Introduction
10:20 - 12:30	Talks
12:30 - 13:30	Lunch
13:30 - 15:00	Talks
15:00 - 17:00	Discussion in smaller groups
17:00 - 17:30	Afternoon break
17:30 - 18:00ish	Full group discussion and end
19:00	Optional dinner at Fifth Avenue

Planning: Talks

Time	Speaker : Talk
10:20 - 10:50	Erik Sy: Enhanced Performance and Privacy for the QUIC Protocol (remote)
10:50 - 11:10	Maxime Piraux : QUIC-tracker
11:10 - 11:40	Quentin De Coninck : Multipath QUIC
11:40 - 12:00	Konrad Wolsing: A Performance Perspective on Web Optimized Protocol Stacks
12:00 - 12:30	Mirko Palmer : Real-time media over QUIC
13:30 - 13:50	Tim Vereecke : QUIC at Akamai
13:50 - 14:10	Francois Michel: Forward Error Correction
14:10 - 14:30	Jan Rüth : Blitz-starting QUIC connections
14:30 - 14:40	Mirja Kühlewind: QUIC logging - the in-network view
14:40 - 15:00	Robin Marx : Understanding QUIC with qlog and quicvis



Oliver Hohlfeld

Professor - Brandenburg University - Germany

General:

- Internet Measurement
- SDN/NFV
- QoE
- Low latency networking

- QUIC deployment
- New use cases for QUIC beyond the web



Robin Marx

3rd year PhD Student - UHasselt - Belgium

General:

- Web Performance, network + frontend
- HTTP/2: Resource prioritization, Server Push
- Edge workers
- Visualizations, tooling

QUIC:

- Squeezing the first RTT for all it's got
- HTTP/3 details for page load speeds
- Unreliable for games
- Quicker (TypeScript) implementation
- Logging and debugging tools

robin.marx@uhasselt.be - @programmingart - quic.edm.uhasselt.be



Tim Vereecke

Web Performance Architect - Akamai - Belgium

General:

- WebPerf impact (technical+business)
- CDN, RUM, Full stack performance

- WebPerf
- Fixing H2 issues



Maarten Wijnants

Senior Researcher - UHasselt - Belgium

General:

- HTTP Adaptive Streaming
- Multimedia streaming
- Network bandwidth management
- Adaptive delivery of 360 video, light fields, ...

- Multimedia streaming
- Innovative use cases / application scenarios



Mirja Kühlewind

Ericsson Research, Aachen, Germany
IETF transport AD and IRTF maprg co-chair

General:

- Transport protocol design and congestion control
- Internet Measurement

- QUIC logging and wire image
- Transport and congestion control
- QUIC support in mobile networks



Maxime Piraux

PhD student - UCLouvain - Belgium

General:

- Transport protocol design
- Network protocol testing and tooling

- QUIC test tools and tooling
- Internet measurements for QUIC support
- Multipath for QUIC
- Extending QUIC for other use-cases



François Michel

PhD student - UCLouvain - Belgium

General:

- Transport protocol design
- Forward Erasure Correction

- QUIC and Forward Erasure Correction
- Multipath for QUIC
- QUIC and real-time communications
- Extending QUIC for other use-cases



Quentin De Coninck

PhD student - UCLouvain - Belgium

General:

- Transport protocol design
- Multipath transport protocols
- Mobile experience (smartphone)

- Multipath for QUIC
- Extending QUIC for other use-cases
- QUIC and Forward Erasure Correction



Jonas Reynders

Master Student - UHasselt - Belgium

General:

- Network stack
- Data management

- QUIC Tooling & Visualisations
- Flow & Congestion control



VVOULCI

Vanmontfort

Researcher - UHasselt - Belgium

General:

- Web technologies
- Multimedia
- (Game) Network architectures

QUIC:

 Nothing specific, just general interest/staying up-to-date



Tom De Decker

Bachelor student - UHasselt - Belgium

General:

- Hard- and software exploitation e.g. console homebrew scenes (mostly like watching talks about it though)
- Networking in general
- Capture The Flag events

QUIC:

Implementing HTTP/3 in QUICker



Sven Theunissen

Bachelor student - UHasselt - Belgium

General:

- General networking
- Flemish Programming competition

QUIC:

Congestion control in QUICker



Joris Herbots

Master Student - UHasselt - Belgium

General:

- Networking & Security
- HTTP Adaptive Streaming technologies

QUIC:

Multimedia streaming



Jan Rüth

PhD Student - RWTH Aachen University - Germany

General:

- Networking
- Performance Evaluations
- Internet measurements

- Running quic.netray.io
- Performance testing
- Human perception
- Transport customization



Konrad Wolsing

Master student - RWTH Aachen Univ. - Germany

General:

- Networking
- Performance Evaluations
- Internet measurements

- Human perception
- Performance testing



Jeroen van der Hooft

PhD Student - Ghent University, imec - Belgium

General:

- HTTP Adaptive Streaming
- Virtual Reality (360° and 6DoF)
- Quality of Experience
- HTTP/2

- Multimedia streaming
- Innovative applications



Emilia Weyulu

1st year PhD student - MPI Informatics, Germany

General:

- Networking in general
- Congestion control
- Network measurements

- Congestion control algorithms
- Performance testing
- Packet pacing in QUIC



Torsten Zimmermann

PhD Student - RWTH Aachen University - Germany

General:

- Internet Architecture
- Internet Measurements
- Web Performance, HTTP/2 Server Push

- QUIC and HTTP/3 interplay
- Use cases: Internet transport ≠ web transport



Mirko Palmer

PhD Student - Max-Planck-Institut für Informatik - Germany

General:

- Transport protocols
- Video streaming
- Low-level nitty-gritty systems work

- Media streaming
- Protocol details



Hendrik Lievens

Researcher - UHasselt - Belgium

General:

- Virtual Reality & Immersive Media Streaming
- Front-end & Back-end Architectures
- Network Security

- General interest & staying up-to-date
- Multimedia streaming & applications



Mariano Di Martino

PhD student - Hasselt University - Belgium

General:

- Traffic analysis, website fingerprinting.
- All privacy related aspects of Web Security

QUIC:

General interest & staying up-to-date



Erik Sy

PhD Student - University of Hamburg - Germany

General:

- Performance of connection establishments
- Web tracking
- Network Security
- Cross-layer optimizations
- Browser measurements

QUIC:

Privacy and performance of QUIC's connection establishment



Daan De Meyer

Master Student - UHasselt - Belgium

General:

- Performance (low-level)
- Developer tooling

- Tooling (h2vis)
- HTTP/3 in Chromium: QUIChrome
- HTTP/3 Implementation: h3c



Mike Kosek

PhD Student - RWTH Aachen University - Germany

General:

- Internet Architecture
- (Crowd-Sourced) Internet Measurements

QUIC:

No specific interest (yet)

Thanks to our sponsors





Before I forget...

bit.ly/quicsurvey