



Topics

Network measurements

- High-performance packet processing
- Internet-scale properties
- Reproducibility
- Performance of security mechanisms

Network architecture

- Low-latency communication and latency guarantees
- Network security and privacy

Methods

Automated performance measurements

Large-scale measurements and automated analysis

Trustworthy methods for network & security configuration

Digital sovereignty

- European perspective - dependencies on technologies (HW IP, including processors, ...), companies (cloud, ...), ...
- Possible strategies (Open source, open architecture, ...)

Network security

- Impact of security on performance, complexity, availability
- Current trust models – desire to change?

Performance of networked systems

- DetNet, TSN
- Programmable data plane: P4, XDP, eBPF, ...
- BFT, Blockchain/DLT, Certificate Transparency, ...

Reproducibility

- What are suitable reference benchmark scenarios?
- Are we aware of network experiments that are hard to reproduce?