

Topics

Network measurements

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

Network architecture

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

Methods

Automated performance measurements in testbed

Large-scale measurements and automated analysis

Automated methods for network & security configuration



Programmable Data Planes, High performance packet processing

- Which challenges/limitations to look at in packet processing?
- Is it ok to continue to increase hardware and software complexity?

Reproducibility

- Is there a gold standard for reproducible experiments and modeling of the systems under test?
- Are we aware of network experiments that are hard to reproduce?

Network Security

- Fundamental challenges?
- Challenging threats?

What is the future relevance of the following Topics?

- P4, XDP, eBPF, ...
- Blockchain,...