Georg Carle: Research Interests

Testbed measurements & Data Analytics

Benchmarking QUIC, TLS, Post-Quantum-Cryptography

High-performance packet processing, DPDK, eBPF, P4

Internet measurements & Data Analytics

Scanning and fingerprinting Web, TLS, QUIC, v4/v6 at large

BGP, DNS, X.509 certificates, IPv6 Hitlist, iCloud Private Relay

Building resilient and secure networked systems

Instrumentation for self-management and resilience

Proactive: security configuration and accountability

Reactive: anomaly detection and remediation

ML-supported: data-driven, GNN models

Methods, Tools and Infrastructure

Automated, reproducible testbed measurements

Research Infrastructures for Networked Systems Experiments

Internet-scale measurements and automated analysis

Automated methods for network & security configuration

Topics for Discussions: Testbeds

TUM

Who uses testbeds for his research?

Who used a testbed operated by another organisation?

Who built his own testbed infrastructure?

  If yes: under which conditions do/would you give access to others?

Who thinks of possible improvements of own or of other testbeds?

What kind of testbed infrastructure would you like to have?

What testbed infrastructure could we have in Germany?

What software and tools would you like to have when using testbeds?

What kind of topics would you like to discuss in the context of
  Testbeds
  Reproducibility
  Data management and analysis