Georg Carle: Research Interests

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 in testbed
Large-scale measurements and automated analysis
Automated methods for network & security configuration
Topics for Discussions

Network Security
• Fundamental challenges?
• Cost of security?
• Challenging threats?

SDN and Virtualization
• Future of P4 and other SDN approaches for the data plane?

High performance packet processing
• Which challenges/limitations to look at in packet processing?

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

What is the future relevance of the following (Hot) Internet Topics?
• SDN/NFV: P4, XDP, eBPF, ...
• Blockchain, Certificate Transparency, ...
• ICN/NDN; RPKI; ...