Georg Carle: Research Interests

**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
Topics for Discussions

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,...