

Hagen Paul Pfeifer

Division Technology Systems

Rohde & Schwarz GmbH & Co. KG.

hagen.pfeifer@rohde-schwarz.com



Chief Software Architect - Technology Systems

- Supervising architect for selected projects
- Medium and long term overall software strategies
- Special projects, DevOps & IT

50% of my activities are related to specific products and systems - remaining 50% are related to division & company-wide strategic questions

Technology Systems portfolio excerpt:

R&S S5200 ATC Radio



R&S Airborne Radio AR5000



R&S QPS 2000Walk



R&S PR200 Monitoring Receiver



R&S Ardronis-P



Hagen Paul Pfeifer

Division Technology Systems
Rohde & Schwarz GmbH & Co. KG.

hagen.pfeifer@rohde-schwarz.com



Research Questions

Routing Protocol - DMPR

- Target scenario: router with multiple links to neighbor routers - each with different capabilities
- Focusing on highly dynamic topologies; low bandwidths & high loss characteristics
- Policy routing capabilities built-in

Linux Analysis

- Realistic System Workload and Task Emulator (ongoing Master Thesis)
- Potential impact of eBPF beside Networking and Cloud? Task & IO scheduling, energy aware scheduling, ...?

HTTP/3 in Low Bandwidth Networks

- Can HTTP/3 cope with low(est) bandwidth/lossy networks (<50kbit/s)?
- Interoperability problems resulting from CC/IWx modifications?

RISC-V

- The end of closed Trusted Execution Environments like Arm Trust Zone and Smartcards?