Hagen Paul Pfeifer
Division Technology Systems
Rohde & Schwarz GmbH & Co. KG.

hagen.pfeifer@rohde-schwarz.com

Chief Software Architect - Technology Systems

- Design and communication of medium and long-term software strategies
- Development of company-wide development guidelines and standards
- Supervising architect for selected projects
- Special projects: infrastructure, security related or R&S events with global scope
- Rarely direct support for difficult technical problems (realtime, power management, ... - something that is a lot of fun!)

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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?