

About myself

Professional Background

- Director of Future Network Technologies at Huawei MRC, Munich.
- Associate Professor at the Computer Science and Networking Department of Telecom ParisTech, France.
- PhD in network security (ENST, Paris), Dipl.inform. (University of Karlsruhe).

Current Research Interests

- Non-local scheduling, network-wide conflict-free allocations, network AI
- Programmable network infrastructures for IoT, B5G, 6G, etc.
 - Not “Network as a Service”, rather “Network infrastructure as a Cloud”
 - Support of massive critical services in software networks
 - Efficiency and resilience of software networks



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Open Questions

- How can we integrate AI in the networks?
 - What are the best use cases and most compelling applications?
 - Online runtime optimization with distributed conflict resolution
 - Autonomous & resilient resource control, resource efficiency
 - How to make AI “network-native”? Instrumentation to network events, distribution, federation
- Network-native AI seems like a fundamental problem that requires networking, distributed systems and AI expertise