ITG KT 3.3 Workshop “Design, Operation and Automation of Open Transport Networks“

Location: Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut (HHI)
Einsteinufer 37, 10587 Berlin

Program - Tuesday 20.12.2022

10:45 - 11:00 h: Welcome

11:00 - 12:30 h: Workshop - Session 1

- Filippos Christou (Uni Stuttgart): „Availability Estimation in Core Networks using a Multilevel Bayesian Model“
- Maria Samonaki (TU München): „Survivability in Multi-Domain Optical Networks“
- Vignesh Karunakaran (ADVA): „Challenges and Requirements in Supporting OpenROADM in Disaggregated Optical Networks“

12:30 - 13:30 h: Lunch Break (TUB Mensa/Cafeteria)

13:30 - 15:30 h: Workshop - Session 2

- Tuan Khai Nguyen (TU Chemnitz): „Minimization of Connection Migration-induced Disruptions with Multiple Steps in Optical Flex-grid Networks“
- Ronald Romero Reyes (TU Chemnitz): „Planning Low-Cost SDN Metro/Core Networks with integrated, fast and robust IP-Optical Restoration“
- Arthur Witt (Uni Stuttgart): „Introduction of Quantum Computing for Network Optimization“
- Mario Wenning (ADVA): „Comparison of trusted Node Deployment Strategies with the Aid of optimized Demand Routing Algorithms“

15:30 - 15:45 h: Coffee Break

15:45 - 17:15 h: Workshop - Session 3

- Behnam Shariati (Fraunhofer HHI): „Telemetry Streaming in Open and Disaggregated Optical Networks“
- Kai Habel (Fraunhofer HHI): „Open Testbed Berlin - 5G and Beyond: Results and Outlook"
- Lars Kruse (CAU Kiel): „Exploiting Optical Spectrum and Autoencoders for Physical Layer Monitoring“

17:15 – 17:30 h: Wrap-Up/Closing