10th KuVS Workshop / Fachgespräch NGSDP – Agenda
"Virtualization Impacts on Service Delivery Infrastructures – SDN, NFV and Clouds"

Location: Fraunhofer-Institut für Offene Kommunikationssysteme FOKUS, Room Auditorium2, Kaiserin-Augusta-Allee 31, 10589 Berlin, Germany

Date: Monday, March 16, 2015

Agenda:
9:15 – 9:30 Welcome – Thomas Magedanz, Wolfgang Kellerer

9:30 – 10:45 Session 1: Ideas, Concepts and Visions – Chair: Julius Mueller
“The way forward: From SDN to SDX”, Paul Mueller (TU Kaiserslautern)
“Novel Methodologies for Realtime Performance Evaluations of NFV-Based Network Infrastructures”, Paul J. Kuehn (Universität Stuttgart)
“NFV Orchestration, SDN and Policy Control; Who does what?”, Alberto Diez (Unaffiliated professional)

10:45 – 11:15 Coffee Break

11:15 – 12:30 Session 2: Platform Virtualization in Practice – Chair: Paul Mueller
“Consequences of NFV for CPE design - how many VMs fit on my home router?”, Hagen Woessner (BISDN)
“On the impact of TV Virtualization on Content Protection technologies”, Alexandra Mikityuk, Oliver Friedrich (TU Berlin/TLABS)
“Prototyping New Concepts Beyond 4G – The Open5GCore”, Marius Corici (Fraunhofer FOKUS)

12:30 – 13:00 FOKUS Demos

13:00 – 14:00 Lunch Break

14:00 – 15:15 Session 3: Network Architectures and Platforms – Chair: Thomas Magedanz
“GW Elasticity in Data Centers: Options to Adapt to Changing Traffic Profiles in Control and User Plane”, Wolfgang Hahn (NOKIA)
“Cloud-native Application Design”, Sandro Brunner, Thomas M. Bohnert (ZHAW)

15:15 – 15:45 Coffee Break

15:45 – 17:20 Session 4: SDN & NFV – Chair: Paul J. Kuehn
“HyperFlex - An SDN Virtualization Architecture with Flexible Hypervisor Function Allocation”, Arsany Basta (Technische Universität München)
“Virtualization Impacts on Quality of Experience considering Home Gateways in the SDN/NFV-controlled Environment”, Ivan Furjanic (Fraunhofer ESK)
“An Optimization Model for Virtual Mobile Core Network Functions Embedding”, Andreas Baumgartner (TU Chemnitz)
“Heuristic Approaches to the Controller Placement Problem in Large Scale SDN Networks”, Stanislav Lange (Universität Würzburg)

17:20 – 17:50 Workshop Discussion and Wrap-up