1st Workshop on Software-Defined Networking and Network Function Virtualization for Flexible Network Management

David Hausheer, Oliver Hohlfeld, Thomas Zinner

www.sdnflex.org
Program at a Glance

Keynote: Challenges and Opportunities:
The Rise of Software Centric Networking

- 14.10 – 15.00 Keynote (Chair: David Hausheer)
- Speaker: Nicolai Leymann (Deutsche Telekom)

Technical sessions:
- 15.00 – 15.40: Session 1: NFV (Chair: Kalman Graffi)
- 16.10 – 17.20: Session 2: SDN (Chair: Thomas Zinner)
- 17.40 – 18.30: Session 3: Virtualization Aspects (Chair: Oliver Hohlfeld)

Social event:
- 20.00 – 22.00: Brau & Bistro (Altmarkt Cottbus)
Submissions & Review Phase

- 18 Submission from authors based in
  - 13 Countries
  - 5 Continents
- 7 Accepted papers (Acceptance rate 38%)

Reviewing process:
- 3 reviews / paper
- 2-3 papers / TPC member
  - 2 Weeks long online discussion phase
    - Extensively used for some papers
    - Input: likely accept / to be discussed / likely reject
  - Final decisions via telephone conference
Topics of the Papers

MD2-NFV: The Case for Multi-Domain Distributed Network Functions Virtualization

Open Elastic Provisioning of Hardware Acceleration in NFV Environments

Towards a GPU SDN Controller

Cost Efficiency of SDN in LTE-based Mobile Networks: Case Finland

Protocol Virtualization Through Dynamic Network Stacks

Investigating Isolation between Virtual Networks in Case of Congestion for a Pronto 3290 Switch

Load-Dependent Flow Splitting for Traffic Engineering in Resilient OpenFlow Networks

User

Legacy WAN

User

User

Cloud

Hypervisor

vSwitch

Legacy Network Control Plane

Northbound API

Eastbound API

Southbound API

Westbound API

Cloud
Acknowledgements

Technical Program Committee

- Marco Hoffmann (Nokia)
- Michael Jarschel (Nokia)
- Marcus Schöller (NEC, vice-chair IETF Reliability and Availability WG, ETSI ISG NFV)
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- Christian Esteve Rothenberg (CPqD – Campinas)
- Xenofontas Dimitropoulos (University of Crete & FORTH)
- Volker Hilt (Alcatel-Lucent Bell-Labs)

Authors of submitted papers

Keynote speaker
Nicolai Leymann

Additional session chair
Kalman Graffi

Event support:

Organization
Michael Kirsche
NetSys 2015 organizers
Start: 8 PM

Location: **Brau & Bistro**
- Altmarkt Cottbus
- See workshop web site for instructions
Call for Papers

Special Issue

Wiley International Journal on Network Management (IJNM):

Software-Defined Networking and Network Function Virtualization for Flexible Network Management

Important dates:

- Submission Deadline: June 30, 2015
- Publication: January 2016

Further information: sdnflex.org