



1ST IEEE / IFIP International Workshop on SDN Management and Orchestration SDNMO 2014

Krakow, Poland, Friday May 9th 2014

**8:15 AM – 9:45AM SDN Management and Orchestration (SDNMO) Keynote & Panel Chair/
Moderator: A. Galis – University College London, U.K.**

Key Note Presentation: “Softwarization: A Shift of Paradigm”

Antonio Manzalini – Telecom Italia

Panel: “Managing softwarization in modern networking and future networks and services including 5G Networks”

Slawomir Kuklinski - Orange Lab, Poland
Antonio Manzalini - Telecom Italia, Italy
Zoltan Turanyi - Ericsson, Hungary
Riccardo Guerzoni - Huawei Germany

9:45AM - 10:15AM Break

**10:15AM - 12:00PM Orchestration and Management (I)
Chair/Moderator: Antonio Manzalini - Telecom Italia, Italia**

OrchSec: An Orchestrator-Based Architecture For Enhancing Network-Security Using Network Monitoring And SDN Control Functions

Adel Zaalouk (RWTH Aachen University), Rahamatullah Khondoker (Fraunhofer SIT), Ronald Marx (Fraunhofer SIT), Kpatcha Bayarou (Fraunhofer SIT).

Programmable Management Framework for Evolved SDN

Slawomir Kuklinski (Orange Lab, Poland /Telekomunikacja Polska).

Towards a Scalable Software-Defined Network Virtualization Platform

Zdravko Bozakov (Leibniz Universität Hannover), Panagiotis Papadimitriou (Leibniz Universität Hannover).

The Dynamic Placement of Virtual Network Functions

Stuart Clayman (University College London), Elisa Maini (University of Naples Federico II, Naples), Alex Galis (University College London), Antonio Manzalini (Telecom Italia), Nicola Mazzocca (University of Naples Federico II, Naples).

SLA Management and Service Composition of Virtualized Applications in Mobile Networking Environments

Giada Landi (Nextworks), Thijs Metsch (Intel GmbH), Pedro Miguel Neves (Portugal Telecom Inovação), Julius Mueller (TU Berlin), Andy Edmonds (Zurich University of Applied Sciences), Paolo Secondo Crosta (Italtel).

12:00AM - 1:30PM Lunch

1:30PM – 3:15PM

Orchestration and Management (II)

Chair/Moderator: Slawomir Kuklinski - Orange Lab, Poland

Zoning for Hierarchical Network Optimization in Software Defined Networks

Xu Li (Huawei Technologies Canada), Petar Djukic (Huawei Technologies Canada), Hang Zhang (Huawei).

Design and Implementation of a Carrier Grade Software Defined Telecommunication Switch and Controller

Julius Mueller (TU Berlin), Yuwen Chen (TU Berlin), Benjamin Reichel (TU Berlin), Valentin Vlad (Fraunhofer FOKUS), Thomas Magedanz (Fraunhofer Institut FOKUS).

An Analytical Tool for Performance Evaluation of Software Defined Networking Services

Alfio Lombardo (University of Catania), Antonio Manzalini (Telecom Italia), Vincenzo Riccobene (University of Catania), Giovanni Schembra (University of Catania).

A Method for Evolving Networks by Introducing New Virtual Node/Link Types using Node Plug-ins

Yasusi Kanada (Hitachi).

QoE-based Bandwidth Allocation with Software Defined Networking in FTTH Networks

Li Kailong (Shanghai Jiao Tong University), Guo Wei (Shanghai Jiao Tong University), Zhang Wenyu (Shanghai Jiao Tong University), Hu Weisheng (Shanghai Jiao Tong University)

3:15PM - 3:45PM Break

3:45 PM - 4:45PM

Network and Management Abstractions

Chair/Moderator: Julius Mueller - TuB, Germany

VCell: Going Beyond the Cell Abstraction in 5G Mobile Networks

Roberto Riggio (CREATE-NET), Karina Gomez (CREATE-NET), Leonardo Goratti (CREATE-NET), Riccardo Fedrizzi (CREATE-NET), Tinku Rasheed (CREATE-NET).

ovstack : A Protocol Stack of Common Data Plane for Overlay Networks

Ryo Nakamura (University of Tokyo)

Traffic Engineering for Software-Defined Radio Access Networks

Hamid Farmanbar (Huawei), Hang Zhang (Huawei).