IEEE Workshop on Open-Source Software Networking (OSSN)
Workshop Program

SEOUL, KOREA – June 6 2016
http://opennetworking.kr/ossn

The IEEE International Workshop on Open-Source Software Networking (OSSN 2016) will be held on June 6, 2016 in Seoul Korea along with the 2nd IEEE International Conference on Network Softwarization (NetSoft 2016, sites.ieee.org/netsoft). The OSSN workshop aims to provide a venue for sharing experiences on developing and operating open-source software-centric networking tools and platforms. It intends to cover various aspects for open-source collaboration community of professionals from academia and industry. Full and short (work-in-process) papers are solicited to discuss experiences on development, deployment, operation, and experimental studies around the overall lifecycle of open-source software networking.

Topics of Interest

OSSN is targeting to cover papers that fall into any topics related with open-source software networking. Topics of interest include, but are not limited to, the following:

- SDN (Software Defined Networking): ONOS, Open Daylight, Ryu, …
- NFV (Network Function Virtualization): OPNFV, OpenMano, …
- Switching: Open vSwitch, Open Switch, Open Network Linux, Indigo, …
- Routing: Click, Zebra, Quagga, XORP, VyOS, Project Calico, …
- Wireless: OpenLTE, OpenAirInterface, …
- Cloud and Analytics: OpenStack Neutron, Docker networking, Hadoop, Spark, …
- Monitoring and Messaging: Catti, Nagios, Zabbix, Zenoss, Ntop, Kafka, RabbitMQ, …
- Security and Utilities: Snort, OpenVPN, Netfilter, IPtables, Wireshark, NIST Net, …
- Development and Simulation: NetFPGA, GNU radio, ns-3, …

Workshop Co-Chairs

- JongWon Kim, GIST (Gwangju Institute of Science & Technology), Korea
- Ivan Seskar, Rutgers University, USA

Technical Program Committee

- Jesús Alcober, Polytechnic University of Catalonia, Spain
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- Yufeng Xin, RENCI, USA
- Niky Riga, BBN, USA
- Kuang-Ching Wang, Clemson University, USA

Workshop Timetable

NetSoft 2016 - Workshop on OSSN (Open-Source Software Networking)

Monday, June 6, 2016		
10:30AM - 11:00AM	Registration & Coffee Break	
11:00AM - 12:30PM	**Opening & SDN/NV - Chair: Prof. Sungwon Lee / Kyunghee University, Korea**	
Opening	**OSSN Welcome**	
	JongWon Kim, *GIST, Korea*	
Full and Short Papers	**NDN.p4: Programming Information-Centric Data-Planes**	Full
	Salvatore Signorello, *University Of Luxembourg, Luxemburg*	
	Radu State, *University of Luxembourg, Luxemburg*	
	Jérôme François, *INRIA Nancy Grand Est, France*	
	Olivier Festor, *INRIA Nancy - Grand Est, France*.	
	Experimenting with Control Operations in Software-Defined Infrastructures	Full
	Stuart Clayman, *University College London, Great Britain*	
	Lefteris Mamatas, *University of Macedonia, Greece*	
	Alex Galis, *University College London, Great Britain*.	
	OFMon: OpenFlow Monitoring System in ONOS Controllers	Full
	Woojoong Kim, Jian Li, James Hong, *POSTECH, Republic of Korea*	
	Young-Joo Suh, *Pohang University of Science and Technology, Republic of Korea*.	
12:30PM - 2:00PM	Lunch Break	
2:00PM - 3:30PM	**Keynote & SDN - Chair: Prof. Younghan Kim / Soongsil University, Korea**	
Keynote	**Open-Source Networking with OpenStack and ONOS for Pragmatic Network/Security Solutions**	
	Jaewoong Chung (CEO), *Atto Research, Korea*	
Full and Short Papers	**hvbench: An open and scalable SDN Network Hypervisor Benchmark**	Short
	Christian Sieber, *TUM, Germany*	
	Andreas Blenk, Arsany Basta, Wolfgang Kellerer, *Technische Universität München, Germany*.	
	On Performance of OpenDaylight Clustering	Short
	Dongeun Suh, Seokwon Jang, Sol Han, Sangheon Pack, *Korea University, Republic of Korea*	
	Taehong Kim, Jiyoung Kwak, *ETRI, Republic of Korea*.	
3:30PM - 4:00PM	Coffee Break	
4:00PM - 5:30PM	**IoT-Cloud & SDN - Chair: Dr. Taesang Choi / ETRI, Korea**	
Full and Short Papers	**An Implementation of Hierarchical Service Function Chaining using OpenDaylight Platform**	Full
	Anh-Vu Vu, YoungHan Kim, *Soongsil University, Republic of Korea*.	
	Design and Implementation of LISP Controller in ONOS	Full
	Yoonseon Han, Seungho Ryu, *POSTECH, Republic of Korea*	
	Young-Joo Suh, *Pohang University of Science and Technology, Republic of Korea*	
	James Hong, *POSTECH, Republic of Korea*.	
	Leveraging Open-Source Software for Federated Multisite SDN-Cloud Playground	Short
	Aris Risdianto, *Gwangju Institute of Science and Technology (GIST), Republic of Korea*	
	Pang-Wei Tsai, Chu-Sing Yang, *National Cheng Kung University, Taiwan*	
	Teck Chaw Ling, *University of Malaya, Malaysia*	
	JongWon Kim, *Gwangju Institute of Science and Technology, Republic of Korea*.	
	Enabling Operation Data Visibility for SmartX-mini IoT-Cloud Playground	Short
	Seungryong Kim, *Gwangju Institute of Science & Technology, Republic of Korea*	
	JongWon Kim, *Gwangju Institute of Science and Technology, Republic of Korea*.	
	LoRaCloud: LoRa Platform on OpenStack	Short
	Jaeyoung So, *Kwangwoon Univ., Republic of Korea*	
	Daehwan Kim, Hongseok Kim, *Kwangwoon Univ, Republic of Korea*	
	Hyunseok Lee, *kwangwoon university, Republic of Korea*	
	Suwon Park, *Kwangwoon Univ, Republic of Korea*.	

Technical Sponsors

The technical sponsors are IEEE Software Defined Networks Committee, SDN/NFV Forum Korea, KICS (Korean Institute of Communications and Information Sciences) Open-Source System Study Group, IEEE Communications Society, IEEE Computer Society, IEEE Signal Processing Society and IEEE Consumer Electronics Society.