



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

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.

