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Networked Systems, Data center networking, Cloud computing and networking, Programmable dataplane, Networking support for Cloud, IoT, and AI systems.

Jan. 2011 - Jun. 2011

Sept. 2019 - Feb. 2020

Young Research Program (신진연구지원사업), NRF, Grant: 294,000,000 KRW

Mar. 2012 - Feb. 2014

2019F

2013S, 2012S

PROFESSIONAL Reviewer

ACTIVITIES

IEEE International Conference on Computer Communications (INFOCOM), 2020
IEEE International Conference on Distributed Computing Systems (ICDCS), 2019
IEEE Transactions on Cloud Computing, 2019
IEEE Networking Letters, 2019

TALKS

Tutorial: P4 SFC
SDN/NFV Forum P4 WG 2019 1st Meetup, Seoul, South Korea Apr. 19, 2019

Service Function Chaining in P4-enabled Programmable Switches
SDN/NFV Forum P4 WG 2018 2nd Meetup, Seoul, South Korea Oct. 12, 2018

Controller-independent Loss-aware Low Latency State Migration in Network Functions Virtualization
ONOS-P4 Brigade Work Days 2017, Seoul, South Korea Sept. 19, 2017

CONFERENCE PUBLICATIONS

1. **Gyuyeong Kim** and Wonjun Lee, "Service Function Chaining on Programmable Data Plane," to appear in *the 5th International Conference On Consumer Electronics Asia*, Seoul, South Korea, November 2020.
2. **Gyuyeong Kim** and Wonjun Lee, "Protocol-Independent Service Queue Isolation for Multi-Queue Data Centers," to appear in *the 40th IEEE International Conference on Distributed Computing Systems (ICDCS 2020)*, Singapore, July 2020. (Acceptance rate: 17.98%=105/508)
3. **Gyuyeong Kim** and Wonjun Lee, "Stable Matching with Ties for Cloud-assisted Smart TV Services," in *Proc. of the 14th IEEE International Conference on Consumer Electronics*, Las Vegas, NV, January 2014.
4. **Gyuyeong Kim** and Wonjun Lee, "Cannot Take My Allocation: Enforcing Fairness by Considering Demand and Payment in Clouds," in *Proc. of the 4th International Conference on Network of the Future*, Pohang, South Korea, October 2013.
5. **Gyuyeong Kim**, Hoorin Park, Jieun Yu, and Wonjun Lee, "Virtual Machines Placement for Network Isolation in Clouds," in *Proc. of 2012 Research in Applied Computation Symposium*, San Antonio, TX, October 2012.

JOURNAL PUBLICATIONS

1. **Gyuyeong Kim** and Wonjun Lee, "Enabling Service Queue Isolation in Multi-Tenant Data Centers," *IEEE Communications Letters (CL)*, Vol. 23, No. 11, pp. 1949-1952, November 2019.
2. **Gyuyeong Kim** and Wonjun Lee, "Absorbing Microbursts without Headroom for Data Center Networks," *IEEE Communications Letters (CL)*, Vol. 23, No. 5, pp. 806-809, May 2019.
3. **Gyuyeong Kim** and Wonjun Lee, "Tardy Flow Scheduling in Data Center Networks," *IEICE Transactions on Information and Systems*, Vol. E99-D, No. 9, pp. 2400-2403, September 2016.

PATENTS

1. Wonjun Lee and **Gyuyeong Kim**, "Method for Data Processing," *Korean Patent* 10-2064679, January 3, 2020.
2. Wonjun Lee and **Gyuyeong Kim**, "Method and Device for Scheduling Flow of Packet for Reducing Delay Time Due To Retransmit of Packet," *Korean Patent* 10-1841143, March 16, 2018.

AWARDS AND HONORS	IEEE Seoul Section International Student Paper Contest Bronze Paper Award	2014
	- Fault Tolerant Topology Reconfiguration in Optical Wireless Data Center Networks	
	Global Ph.D. Fellowship (GPF) , NRF, South Korea	2012 - 2014
	ACM-ICPC Seoul Regional Contest 10th Place	2009
	National Collegiate Programming Contest Silver Prize, South Korea	2009
	Oracle JavaFX Software Contest 3rd Prize	2009
	ACM-ICPC Seoul Regional Contest Honorable Mentions	2008

WORK EXPERIENCE	Korea University Lecture Evaluation (KLUE) http://klue.kr	
	- An online service providing course reviews and ratings based on student feedback at Korea University. Roughly 460K+ reviews by 45K+ members are available today	
	<i>President</i>	Jan. 2011 - Feb. 2015
	- Led our team and managed the service. Maintained the service infrastructure.	
	<i>Co-Founder and Junior developer</i>	Mar. 2010 - Jun. 2010
	- Designed and developed a part of the service.	

REFERENCES	Available upon request.
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