

Keon Jang

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EDUCATION	Korea Advanced Institute of Science and Technology (KAIST) , Daejeon, Korea Ph.D., Computer Science <i>Advisors: Sue B. Moon and KyoungSoo Park</i> MAR. 2006 ~ AUG. 2012 Korea Advanced Institute of Science and Technology (KAIST) , Daejeon, Korea B.S., Computer Science MAR. 2002 ~ FEB. 2006	
PROFESSIONAL EXPERIENCE	Google <i>Software Engineer</i> <ul style="list-style-type: none">Low latency congestion control for datacenters Intel Labs <i>Research Scientist</i> <ul style="list-style-type: none">E2: Elastic and extensible framework for NFV applicationsNetBricks: NFV programming framework based on rust KAIST <i>Post-Doctoral Researcher</i> <ul style="list-style-type: none">BESS (SoftNIC): Software packet processingDX: Latency based congestion control for datacenters Microsoft Research <i>Post-Doctoral Researcher</i> <ul style="list-style-type: none">Predictable network performance for inter-tenant traffic in the cloudSilo: Predictable message latency in the cloud Microsoft Research Extreme Computing Group (XCG) / Windows Azure <i>Research Intern</i> <ul style="list-style-type: none">SSL performance evaluation on Windows server KAIST <i>Research Assistant</i> <ul style="list-style-type: none">Network processing acceleration with GPUs	Mountain View, CA, USA JAN. 2016 ~ PRESENT Santa Clara, CA, USA NOV. 2014 ~ JAN. 2016 Daejeon, South Korea APR. 2014 ~ OCT. 2014 Cambridge, UK MAR. 2012 ~ MAR. 2014 Redmond, WA MAY. 2011 ~ AUG. 2011 Daejeon, South Korea MAR. 2006 ~ MAR. 2012
PUBLICATIONS	Refereed Conferences <ol style="list-style-type: none">Inho Cho, Keon Jang, and Dongsu Han. "Credit-Scheduled Delay-Bounded Congestion Control for Datacenters," In <i>SIGCOMM 2017</i>Aurojit Panda, Sangjin Han, Keon Jang, Melvin Walls, Sylvia Ratnasamy, and Scott Shenker. "Net-Bricks: Taking the V out of NFV," In <i>OSDI 2016</i>Shoumik Palkar, Chang Lan, Sangjin Han, Keon Jang, Aurojit Panda, Sylvia Ratnasamy, Luigi Rizzo, and Scott Shenker. "E2: A Framework for NFV Applications," In <i>SOSP 2015</i>Keon Jang, Justine Sherry, Hitesh Ballani, and Toby Moncaster. "Silo: Predictable Message Latency in the Cloud," In <i>SIGCOMM 2015</i>Changhyun Lee, Chunjong Park, Keon Jang, Sue Moon, and Dongsu Han. "Accurate Latency-based Congestion Feedback for Datacenters," In <i>ATC 2015</i>	

6. Joongi Kim, **Keon Jang**, Keunhong Lee, Sangwook Ma, Junhyun Shim, and Sue Moon. "NBA (Network Balancing Act): A High-performance Packet Processing Framework for Heterogeneous Processors," In *EuroSys 2015*
7. Hitesh Ballani, **Keon Jang**, Thomas Karagiannis, Changhoon Kim, Dinan Gunawardena, and Greg O'Shea. "Chatty Tenants and the Cloud Network Sharing Problem" In *NSDI 2013*
8. **Keon Jang**, Sangjin Han, Seungyeop Han, Sue Moon, and KyoungSoo Park. "SSLShader: Cheap SSL Acceleration with Commodity Processors" In *NSDI 2011*
9. Sangjin Han, **Keon Jang**, KyoungSoo Park, and Sue Moon. "PacketShader: A GPU-Accelerated Software Router," In *SIGCOMM 2010*
10. DK Lee, **Keon Jang**, Changhyun Lee, Gianluca Iannaccone, and Sue Moon. "Path Stitching: Internet-wide Path and Delay Estimation from Existing Measurements," In *INFOCOM Miniconference 2010*
11. Mongnam Han, Youngseok Lee, Sue Moon, **Keon Jang**, and Dooyoung Lee, "Evaluation of VoIP Quality over WiBro," In *PAM 2008*

Journals

1. Changhyun Lee, Chunjong Park, **Keon Jang**, Sue Moon, and Dongsu Han. "DX: Latency-Based Congestion Control for Datacenters," *IEEE/ACM Transactions on Networking*, Vol. 25, Issue 1, February, 2017, pp.335-348.
2. DK Lee, **Keon Jang**, Changhyun Lee, Gianluca Iannaccone, and Sue Moon, "Scalable and Systematic Internet-Wide Path and Delay Estimation from Existing Measurements," *Computer Networks*, Vol. 55, Issue 3, February 21, 2011 pp.836-866.

Workshops

1. Joongi Kim, Seonggu Huh, **Keon Jang**, KyoungSoo Park, and Sue Moon. "The Power of Batching in the Click Modular Router," In *APSys 2012*
2. Sangjin Han, **Keon Jang**, KyoungSoo Park, and Sue Moon. "Building a 100 Gbps Software Router with Commodity Hardware," In *LANMAN 2010* (invited paper)
3. **Keon Jang**, Sangman Kim, Geoffrey M. Voelker, and Sue Moon. "Implementation and Evaluation of a Mobile PlanetLab Node," In *ROADS 2009*
4. Shinae Woo, **Keon Jang**, Sangman Kim, Soohyun Cho, Jaehwa Lee, Youngseok Lee, and Sue Moon. "Best-case WiBro Performance for a Single Flow," In *MICNET 2009*
5. **Keon Jang**, Mongnam Han, Soohyun Cho, Hyung-Keun Ryu, Jaehwa Lee, Youngseok Lee, and Sue Moon. "3G and 3.5G Wireless Network Performance Measured from Moving Cars and High-Speed Trains," In *MICNET 2009*
6. DK Lee, **Keon Jang**, Changhyun Lee, Sue Moon, and Gianluca Iannaccone. "Improving Delay Estimation with Path-Stitching," In *CFI 2008*
7. **Keon Jang**, Shinae Woo, and Sue Moon. "Design Considerations for a Mobile Testbed," In *CFI 2008*

SERVICES

Program Committee for *HotMiddlebox 2016* and *APNet 2017*
 Reviewer for *Transactions on Networking* and *Computer Communication Review*
 External Reviewer for *SIGCOMM 2015* and *INFOCOM 2017*

AWARDS

EuroSys 2015 Best Student Paper	2015
NVIDIA Graduate Fellowship 2011-2012	2011
ACM SIGCOMM 2010 Best Poster	2010

REFERENCES

Prof. Sue Moon

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