

Conference Papers

- Kun Suo, Yong Shi, Ahyoung Lee, and Sabur Baidya, “Characterizing Networking Performance and Interrupt Overhead of Container Overlay Networks”, in Proc. of the ACM Southeast conference, Virtual, April 15-17, 2021.
- Jhilakshi Sharma, Donghyun Kim, [Ahyoung Lee](#), and Daehee Seo, “Differential Privacy using Fuzzy Convolution Neural Network (DP-FCNN) with Laplace Mechanism and Authenticated Access in Edge Computing”, in Proc. of *The 15th International Conference on Ubiquitous Information Management and Communication (IMCOM 2021)* IEEE, Seoul, South Korea, January 4-6, 2021
- Rupak Kumar Das and [Ahyoung Lee \(Corresponding author\)](#), “A Study of Load-Balancing Solutions of Mobile Cloud Computing for Next-Generation Mobile Applications,” in Proc. of *The Research in Adaptive and Convergent Systems (RACS 2020)* ACM, Gwangju, Korea, October 13-16, 2020
- Adam L. Gray and [Ahyoung Lee \(Corresponding author\)](#), “Experimental Study of Network Traffic Overhead in Cloud Environments,” in Proc. of *The Intermountain Engineering, Technology, and Computing Conference (i-ETC’20)* IEEE, Orem, Utah, USA, October 2–3, 2020
- [Ahyoung Lee](#), J.Y. Moon, S.D. Min, N.J. Sung, and H. Min, “Safety Analysis System Using Smart Helmet,” in Proc. of *The 20th International Conference on Internet Computing and IoT (ICOMP’19)*, Las Vegas, Nevada, USA, July 29-August 01, 2019.
- Adam L. Gray and [Ahyoung Lee \(Corresponding author\)](#), “Experimental Study of SDN-OpenStack Cloud Environments,” in Proc. of *The 20th International Conference on Internet Computing and IoT (ICOMP’19)*, Las Vegas, Nevada, USA, July 29-August 01, 2019.
- [Ahyoung Lee \(Corresponding author\)](#), P. Wang, S.C. Lin, I.F. Akyildiz, and M. Luo, “Dynamic Bandwidth Allocation in SDN based Next Generation Virtual Networks: A Deterministic Network Calculus Approach.” In Proc. of *the Research in Adaptive and Convergent Systems (RACS 2018)* ACM, Honolulu HI October 9-12, 2018.
- H. Nguyen, [Ahyoung Lee \(Corresponding author\)](#), and I. Ra, “Network-assisted HTTP Adaptive Streaming for Hybrid Software Defined Network.” In Proc. of *the Research in Adaptive and Convergent Systems (RACS 2018)* ACM, Honolulu HI October 9-12, 2018.
- [Ahyoung Lee](#), D.Y. Kim, and S.H. Kim, “Avoiding Congestion Channel in LPWA for Delay-Tolerant IoT Devices.” In Proc. of *The 13th Asia Pacific International Conference on Information Science and Technology*, Nha Trang, Vietnam. June 24-27, 2018. **(Best paper award)**
- J.Y. Mun, Jaehyoun Kim, [Ahyoung Lee](#), Mingoo Kang, and Min Hong, “Healthcare Game Contents using Bluetooth based Smart Pressure Mat.” In Proc. of *The 1st International Conference on ICT for Smart Health*, December 28-30, 2017.

- Ahyoung Lee, I. Ra, X. Wang. "A Hybrid Software Defined Networking Architecture for the Internet-of-Things." in Proc. of *The 12th Asia Pacific International Conference on Information Science and Technology*, Chiang Mai, Thailand. June 25, 2017. **(Best paper award)**
- Ahyoung Lee and I. Ra, "Performance analysis of ad hoc routing protocols: OLSR and Gossip-Based Routing Protocols," in Proc. of *The 42th US-Korea Summit on Science and Engineering (UKC 2013)*, New York, NJ, USA, August 7-10, 2013.
- Ahyoung Lee, I. Ra, C.G. Lavina, and J. Caballero, "Performance analysis of ad hoc routing protocols based on selective forwarding node algorithms," in Proc. of *The 4th International Conference on Information Science and Applications (IEEE, ICISA 2013)*, Pattaya, Thailand, June 24-26, 2013.
- Ahyoung Lee and I. Ra, "A QoS-aware routing for conserving resources in large-scale mobile ad hoc networks," in Proc. of *The 3rd International Workshop on Ubiquitous & Applications (IWUCA 2012) through (CUTE 2012)*, Hong Kong, China, December 20-22, 2012.
- Ahyoung Lee and I. Ra, "Ad hoc routing algorithm for conserving network resources," in Proc. of *International Conference on Computer Convergence Technology (ICCCT 2011)*, Seoul, Korea, October 22-22, 2011. **(Best paper award, acceptance rate 15%)**
- Ahyoung Lee and I. Ra, "Analysis of adaptive-gossip routing algorithm for conserving resources in ad-hoc wireless networks," in Proc. of *The 40th US-Korea Summit on Science and Engineering (UKC 2011)*, Park City, UT, USA, August 10-14, 2011. **(Best poster award)**
- Ahyoung Lee and I. Ra, "Adaptive-gossiping for an energy-aware routing protocol in wireless sensor networks," in Proc. of *The 6th Intl. Wireless Communications & Mobile Computing Conference (ACM, IWCMC 2010)*, Caen, France, June 28-July 2, 2010.
- Ahyoung Lee, I. Ra and H. Kim, "Performance study of ad hoc routing protocols with gossip-based approach," in Proc. of *The 12th Communications and Networks Simulation Symposium (ACM SpringSim, CNS 2009)*, San Diego, CA, USA, March 22-27, 2009. **(Best paper award)**