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Department of Computer Science & Engineering
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Education

1996 *Ph.D. in Computer Science, University of Maryland College Park*
1985 *MS in Computer Engineering, Seoul National University*
1983 *BS in Computer Engineering, Seoul National University*

Positions held

2013-present *Professor, Seoul National University (Computer Science & Engineering), Seoul, Korea*
1997-2013 *Professor, University of Arizona (Computer Science), Tucson, AZ, U.S.A.*
1984-1990 *Engineer, Samsung Electronics Corp. (Computer Network), Seoul, Korea*

Awards & Honours

CAREER Award, U.S. National Science Foundation, 1999-2004

Current editorial boards

Data Science and Engineering

Selected committee work

2017-2018 *SIGMOD (International Conference on Management of Data)*
2016-2017 *VLDB (International Conference on Very Large Data Bases)*
2017, 2019 *ICDE (International Conference on Data Engineering)*
2017-2018 *SSDBM (International Conference on Scientific and Statistical Database Management)*
2017-2018 *CIKM (International Conference on Information and Knowledge Management)*

Five selected (recent) publications

1. Gihwan Oh, Sangchul Kim, Sang-Won Lee, and Bongki Moon. *SQLite Optimization with Phase Change Memory for Mobile Applications. Proceedings of the VLDB Endowment, 8(12):1454-1465, August 2015.*
2. Sungchan Kim, Hyunok Oh, Chanik Park, Sangyeun Cho, Sang-Won Lee, and Bongki Moon. *In-storage processing of database scans and joins. Information Sciences, 327:183-200, 2016.*
3. Sangchul Kim, Junhee Lee, Srinivasa Rao Satti, and Bongki Moon. *SBH: Super byte-aligned hybrid bitmap compression. Information Systems, 62:155-168, 2016.*
4. Woon-Hak Kang, Sang-Won Lee, and Bongki Moon. *Flash as cache extension for online transactional workloads. The International Journal on Very Large Data Base, 25(5):673-694, 2016.*
5. Woon-Hak Kang, Sang-Won Lee, Bongki Moon, Yang-Suk Kee, and Moonwook Oh. *Durable Write Cache in Flash Memory SSD for Relational and NoSQL Databases. In Proceedings of 2014 ACM-SIGMOD Conference, pages 529-540, Snowbird, Utah, U.S.A., June 2014.*