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Date of Birth: November 4, 1952

Major Field: Enterprise Data Management and Data Architecture

Research Areas: Enterprise Data Modeling, Information Security and Privacy, Corporate Data Architecture

Education: B.S. in Computer Science, Soongsil University (Jan. 1975)

M.S. in Computer Science, Korea Advanced Institute of Science (Feb. 1977)

Ph.D. in Computer Science, University of Illinois at Urbana-Champaign (Jan. 1985)

Title of Ph.D. Dissertation: Performance of Concurrency Control Methods in Distributed   Database   Management   Systems.

Experience:

Assistant Professor, Dept. of Computer Science, Soongsil University (Mar. 1977 – Apr. 1983).

Research Associate, Facility Systems Division, United States Army Construction Engineering Research Laboratory (Sep. 1981 – Aug. 1984).

Assistant Professor, KAIST (1985 – 1990).

Visiting Professor, Dept. of Computer Science, University of Edinburgh (Mar. 1989 – Mar. 1990).

Chairman, Special Interest Group on Database, Korea Information Science Society (1990 – 1992).

Associate Professor, KAIST (1990 – 1997).

Program Committee Member, 1991 ACM International Conference on Management of Data.

Program Committee Member, 1992 IEEE Data Engineering International Conference.

Steering Committee Member, International Society for Database Systems for Advanced Applications(DASFAA) (1992 – 1999).

Program Committee Chair, International Symposium on Database Systems for Advanced Applications (DASFAA 93) (1991 – 1993).

Program Committee Chair, International Conference on Database Applications (1994).

Chair, Computer Engineering Division, College of Engineering, KAIST (1992 – 1994).

Chairman, Special Interest Group on Computer Systems, Korea Institute of Information Security and Cryptology (1994 – 1997).

Distinguished Scholar, Research Institute of Measurement and Computing Techniques, Hungarian Academy of Sciences (July 1994).

Visiting Professor, Computer Laboratory, University of Cambridge (July 1994).

Visiting Chief Information Advisor, Korean Broadcasting System (1994 – 1998).

Program Committee Member, 1995 Very Large Data Base International Conference.

Distinguished Visiting Professor, Dept. of Computer Science, Queens University of Belfast (July 1996).

Global 2000, Year 2000. Computer Problem(Y2K) International Congress, Korean Delegate (Oct. 1998 – Dec. 1999).

Y2K Expert Service Corp., UN International Y2K Cooperation Center (Nov. 1999 – June 2000).

Co-Chair, Committee for Evaluating IMT-2000 Third Generation Mobile Service Operators (Dec. 2000).

Chair, General MBA Division, College of Business, KAIST (Jan. 2000–   Dec. 2000).

Keynote Speaker, International Conference on Information Security: Managerial and Technological Challenges, New Delhi, India (Feb. 2001).

Director, European Association of Information Technology(EUROMICRO) (1991 – *Present*).

Commentator on Information Technology, Korean Broadcasting System (1992 – *Present*).

Advisor, Information Policy Planning, Ministry of Defense (1996 – *Present*).

Keynote Speaker, National Defense Interoperability, National Defense Symposium, Seoul, Korea(Nov. 2011).

Advisor, Korean Financial Supervisory Services (2014 – *Present*).

PhD Director and Head of Department, College of Business, KAIST (Mar. 2008– Nov. 2009).

Full Professor, KAIST (1997 – *Present*).

Volunteering Social Service Activities:

Advisor to Ministry of Foreign Affairs of Nicaragua, Managua, Nicaragua (Dec. 1991).

Advisor to Ministry of Industry of Romania, Bucharest, Romania (Aug. 1995).

Advisor to Ministry of Education of Kenya, Nairobi, Kenya (Dec. 1995, Aug. 1996).

Advisor to Kenyan Trainees in Information Technology, Seoul, Korea (Mar. 1997).

Advisor to National Information Development Agency of Cambodia, Phenom Penh, Cambodia (July – Aug. 2001).

UNDP Advisor to An-Najah National University, Nablus, Palestine (Aug. 2005 – Jan. 2006).

Goodwill Ambassador, Korean Red Cross (December 2011 – *Present*).

Membership: Association for Computing Machinery, Institute for Electrical and Electronic Engineers, EUROMICRO, Korea Information Science Society.

Publications: 71 International Journal Papers; 28 Domestic Journal Papers; 37 International Conference Papers; 57 Domestic Conference Papers; 20 Books Authored.

Thesis Supervision: 28 Ph.D. Students Supervised To Completion;2 Ph.D. Students Currently Under Supervision;

64 M.S. Students Supervised To Completion;

Achievements:

Developed Relational Database Management System *IM*, 1990 (First Prototype in Asia).

Developed Distributed Database Management System *DIME*, 1992 (First Prototype Ever in Asia).

Developed *Non-Stop* Data Modeling Methodology, 1997.

Honor: Top-Student Prize by Soongsil University and Korea United Foundation of Christian Education (Jan. 1975).

Fellowship at Third UNESCO Asian Computer Science School, Asian Institute of Technology, Bangkok, Thailand (Dec. 1998).

Top Seven Leading Computer Scientists of Korea in 21st Century, Dong-A Monthly Journal (July 1991).

Listed in Dong-A Who's Who in Korea, Dong-A Daily Newspaper (1992 – *Present*).

Academic Contribution Award, Korea Information Science Society (Feb. 1993).

Listed in Marquis Who's Who in The World, Marquis, U.S.A. (1994 – *Present*).

Listed in Joong-Ang Who's Who in Korea, Joong-Ang Daily Newspaper (1990 – *Present*).

Listed in World-Daily Who's Who in Korea, Segye Daily Newspaper (1995 – *Present*).

Listed in Who's Who Information Source Directory, Korea Institute of News Media Research (1995 – *Present*).

Best Teaching Award, KAIST (Feb. 1999).

"Albert Schweitzer of Science and Technology", DailyFocus (Jan. 20, 2009).

Alumni of The Year, KAIST, January 2009.