

## Curriculum Vitae



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### **EDUCATION:**

Ph. D. Industrial Engineering, Korea Advanced Inst. of Science and Technology, 1994  
MS. Industrial Engineering, Advanced Inst. of Science and Technology, 1989  
BA. Business Administration, Yonsei Seoul National University, 1986

### **EXPERIENCE:**

Principal Researcher, Protocol Engineering Center, Electronics and  
Telecommunications Research Institute(Feb 2003 – present)  
Special Fellow(on standardization), Electronics and Telecommunications Research  
Institute(Nov 2004 – present)  
Vice-Chairman, Tariff Group for Asia and Oceania(Oct 2004 – present)  
Co-rapporteur, Correspondence Group 2, ASTAP (July 2003 – Oct 2004)  
Team Leader, Techno-Policy Research Team, Electronics and Telecommunications  
Research Institute(June 2000 – Feb 2003)  
Senior Researcher, R&D Planning Management Department, Institute of Information  
Technology Assessment(June 1997 – June 2000)  
Visiting Faculty, Asian Institute of Technology (July 1995 – March 1997)  
Taught: Principle of Economic Analysis, Capital Budgeting Decision Analysis,  
Financial Analysis for Infrastructure Planning, Management Information  
Systems, Economic Analysis and Selection of Industrial Projects  
Invited Researcher, Techno-policy Study Division, Korea Institute of Machinery and  
Metals (Aug 1994 – Feb 1995)

### **ABSTRACT:**

He is an expert in telecommunications standardization strategy and now acting as a principal researcher, project manager, and special fellow on standardization of ETRI.

For the international standardization, he has participated in the ITU-T TSAG activity since Feb 2003 and has submitted several contributions including the proposal of restructuring on ITU-T SG. He is currently a Vice-Chairman of TAS and a convener of Correspondence Group on RFID in ITU-T TSAG.

For the regional standardization, he has served as a co-rapporteur of Correspondence Group for WSA in ASTAP (APT Standardization Program) forum from July, 2003 to October 2004.

Also he participated in China-Japan-Korea Ministers' meeting as a facilitator in

2003 and 2004. He taught economic analysis related courses in Asian institute of Technology as a visiting faculty from 1995 to 1997.

**PAPERS :**

“National R&D Performance Measurement: Case Study of Advanced Infrastructure Technology Program in Korea”, Proceedings of Portland International Conference on Management of Engineering and Technology, July 20-24, 2003, Portland, Oregon USA

“Service-oriented Mid Term R&D Planning in Korea: Mobile Telecommunications Technology Case”(with J. Lee, S. Kim, Y. Yoo, and M. Choi), Proceedings of ITS 14<sup>th</sup> Biennial Conference, Aug. 18-21, 2002, Seoul Korea.

“An application of the decision making method in public sector R&D of Korean digital broadcasting”(with Y. S. Yu and J. Lee), Proceedings of ITS 14<sup>th</sup> Biennial Conference, Aug. 18-21, 2002, Seoul Korea.

“An Analysis on the Selection Process of Core Wireless Communications Technologies in Korean National IT R&D Program”(with I. Roh and J. Lee), Proceedings of The 2002 International Conference on Circuits/Systems Computers and Communications( ITC-CSCC-2002), July 16-19, 2002, Phuket Thailand.

“National IT Technology Planning and Technology Roadmap”(with K. Om, M. S. Choi, Y. Auh, and Y. S. Yu), Proceedings of Korean Society for Technology Management and Economics, June 27, 2002. pp.125-139.

“The Korean R&D Programs for Information and Telecommunication technologies”(with S. J. Park), Proceedings of R&D Management Conference, Sep. 6-7, 2001, Dublin Ireland, p. 519.

“Performance Measurement of National R&D Programs for Information and Telecommunication Technologies”, Proceedings of the 2000 Fall Conference of Korean Institute of Industrial Engineers, 2000.

“A Study on End-of-pipe Costs in the Manufacturing Sector in a Developing Economy”(with D. U. Jeon & J. S. Kim), International Journal of Management Science, Vol. 4, No. 1, May 1998, pp. 1-19.

“Assessing the Benefits of Water Quality Improvements Using Contingent Valuation Method: Case Study of the Kumgang Area”(with H. J. Cho and J. S. Kim), IE Interfaces, Vol. 11, No. 3, 1998, pp. 209 – 218.

“An Economic Analysis of Purchasing Management System in the Construction Equipment Industry Using System Dynamics Approach”(with D. U. Jeon, J. S. Kim and S. W. Roh), Proceedings of the 1998 Spring Joint Conference of Korean Operation Research and Management Science Society and Korean Institute of Industrial Engineers, 1998.

“Analysis of Corporate Environmental Activities Using Multi-dimensional Scaling”(with D. U. Jeon and J. S. Kim), Proceedings of the 1997 Fall Conference of Korean Operations Research and Management Science Society, KORMS, 1997, pp.63-66.

“National R&D Planning for Information and Telecommunication Technologies”(with S. Lee, H. E. Lee and Y. B. Lee), Proceedings of the 1997 Fall Conference of Korean Operations Research and Management Science Society, KORMS, 1997, pp.94-100.

“Economic Analysis of Power Plant Utilities Under CO<sub>2</sub> Emission Tax”(with T. J. Kim and J. S. Kim), IE Interfaces, Vol. 10, No. 1, 1997, pp. 237 – 248.

“Private Investments on the Environment in Korea,” (with D.U. Jeon and J.S. Kim) Proceedings of the International Conference on Urban Engineering in Asian Cities in the 21<sup>st</sup> Centuries, Nov. 20-23, 1996, Bangkok Thailand, pp. A156-161.

“A Comparative Study on Environmental Technology and its Human Resources in the Asia-Pacific Countries,” (with J.S. Kim and J.G. Kim), Proceedings of the International Conference on Urban Engineering in Asian Cities in the 21<sup>st</sup> Centuries, Nov. 20-23, 1996, Bangkok Thailand, pp. A146-151.

“Three Different Types of Interest Rates in the Application of the Mathematical Programming to Capital Budgeting,” Proceedings of the 1995 Spring Joint Conference of Korean Operation Research and Management Science Society and Korean Institute of Industrial Engineers, 1995.

"Capital Budgeting Model with Flexible Budget,"(with J. S. Kim), Computers and Industrial Engineering, Vol. 27, Nos 1-4, pp.317-320, 1994.

“Use of Incremental Internal Rate of Return As a Shadowprice in Integer Programming Model for Capital Budgeting Problem”(with J.S. Kim), Proceedings of the 1994 Fall Conference of Korean Institute of Industrial Engineers, KIIE, p. 384

“Capital Budgeting Model with Flexible Budget” (with J.S. Kim), Proceedings of 16th International Conference on Computers & Industrial Engineering, March 7-9, 1994, pp. 522-525.

“Equivalent Mathematical Programming Models of the Capital Budgeting Problem”(with J. S. Kim), Computers and Industrial Engineering, Vol. 20, No. 4, pp. 451-460, 1991.