

RESUME

Name: Dong-Seong Kim
Professor
Networked System Lab. (NSL)
Department of IT Convergence Engineering
School of Electronic Engineering
Kumoh National Institute of Technology

D108, Digital Building,
1, Yanghodong, Daehakro 61
Gumi, Gyeongbuk, Korea, 730-701
Email: dskim@kumoh.ac.kr



CAREERS

- June, 2014 – Present **Director and Head**
Convergence Technology Institute,
ICT-Convergence Research Center (ICT-CRC)
Funded by Ministry of Science, ICT and Future Planning,
Korea

- June, 2010 – Present **Chair**
Graduate School of Electronic Engineering,
Dept. of Military IT System (Samsung Thales) and
Dept. of IT Convergence,
Kumoh National Institute of Technology (KIT),
Korea

- 2007.12 - 2009. 2 **Visiting Professor**
Network Research Group,
Dept. of Computer Science,
U.C. Davis, CA, U.S.A.

- 2003.3 - 2004.2, 2005 **Post-doctoral and Visiting Researcher**
Wireless Network Lab.,
School of ECE.,
Cornell Univ. (CU),
NY, U.S.A

- 1998.3 - 2003. 2 **Ph.D. degree**

(Main Topic: Real time communication and Industrial Network),
Control Information System Lab.,
School of ECE,
Seoul National Univ., Korea

1994.8 - 2003.2

Full-Time and Chief Researcher

Engineering Research Center for Advanced Control and Instrumentation (ERC-ACI)
Automation and Systems Research Institute,
Seoul National University, Korea.

SELECTED INTERNATIONAL JOURNALS

1. P.T.A. Quang and Dong-Seong Kim, "Throughput-aware Routing for Industrial Sensor Networks: Application to ISA100.11a", Vol. 9, No. 4, IEEE Transactions on Industrial Informatics, 2014.
2. T. T. Le, D.-S. Kim, "An Efficient Throughput Improvement through Bandwidth Awareness in Cognitive Radio Networks", Journal of Communications and Networks (JCN) ((ISSN: 1976-5541), Vol. 16, No.2, pp.146-154, 2014
3. Agi Prasetyadi, Dong-Seong Kim, "Faulty Node Detection in Distributed Systems using BCH code", IEEE Communications Letter, Vol. 17, No. 3, p.620-623, March 2013.
4. Agi Prasetyadi, Dong-Seong Kim, "Decoding Scheme of Error Correction using Fake Error Addition: 4G Cellular System", IEEE Transactions on Consumer Electronics, 2013.
5. P.T.A.Quang and Dong-Seong Kim, "Enhancing Real-time delivery of Gradient Routing for Industrial Wireless Sensor Networks", IEEE Transactions on Industrial Informatics, vol.8, no.1, pp.61-68, Feb. 2012.
6. Nguyen Quoc Dinh and Dong-Seong Kim, "Performance Evaluation of Priority CSMA-CA Mechanism on ISA100.11a Wireless Network," Computer Standard and Interface, Vol. 34, Issue 1, pp. 117-123, Jan. 2012.

Refer to our research group website for more details publications.

<http://nsl.kumoh.ac.kr/>

<http://scholar.google.co.kr/citations?user=Fuu6i50AAAAJ&hl=en>

RESEARCH INTEREST

- Industrial wireless control networks
- Fieldbus and Real-time systems
- Networked embedded systems
- Wired/wireless military networks