



• Field Wire-less communication system, etc.  
• Name Lee, Yong-up  
• Title Professor

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## Educational background

1992 ~ 1996 The Korea Advanced Institute of Science and Technology (Doctor of Engineering - The Department of Electricity and Electronic Engineering)  
1985 ~ 1987 The Korea Advanced Institute of Science and Technology (Master of Engineering - The Department of Electricity and Electronic Engineering)  
1981 ~ 1985 Seoul National University (Bachelor of Engineering - The Department of Electronic Engineering)

## Major careers

2011 ~ 2012 Visiting Scholar at Pennsylvania State University, U.S.  
2007.02 ~ 2008.01 Dean of the Department of Electronic Engineering, Graduate School  
2006.07 ~ 2007.01 Head professor of Major in the Electronic Engineering  
2003 ~ 2004 Visiting Professor at UNSW University in Sydney, Australia  
2003.02 ~ 2004.01 Dean of the Division of Information and Communication Engineering  
2000.02 ~ 2001.01 Dean of the Division of Information and Communication Engineering  
2000.02 ~ 2001.01 Professor in charge of Multimedia Communication

## Studies & Books

### Theses

- "The performance enhancement with multiple antenna technology in indoor-to-outdoor communication system", IEICE Tr. Communication (2003)
- "Efficient hardware-software partitioning for a digital dental x-ray system", IEICE Tr. Communication (2003)
- "Multiple antenna technology for the indoor wireless system", IEICE Tr. Communication (2002)
- "A Suboptimal receiver for WCDMA systems", IEICE Tr. Communication (2002)
- "Multiuser filters for CDMA systems with imperfect channel knowledge", Signal Processing (2001)
- "Optimum tilt angles in two dimensional phased array radar systems", IEICE Tr. Communication (2000)
- "Analysis of Quasi-ML Multiuser Detection of DS/CDMA Systems in Asynchronous Channels", IEEE Tr. Communication (1999)
- "Distributed source modeling and direction-of-arrival estimation techniques", IEEE Tr. Signal Processing (1997)
- "Estimation of direction of arrival for angle-perturbed sources", IEICE Tr. Communication (1997)
- "Estimation of two dimensional DOA under a distributed source model and some simulation results", IEICE Tr. Communication (1996)
- "Semi-blind method for transmit antenna array in CDMA system", Proc. IEEE VVTC (2000)
- "Performance limitation of TAD in FDD mode over fast Rayleigh fading channels", Proc. IEEE CDMA (2000)
- Weighted-Average Based AOA Parameter Estimations for LR-UWB Wireless Positioning System [IEICE Transaction on Communications, SCI(E), 단독, 2011]
- LED IT 기반의 간편한 비캐리어 가시광 통신 시스템 구현 [한국통신학회논문지, KCI등재, 공동(교신), 2011]

## Others

### Social Career

- Chief researcher of the Information and Communication R&D Center, Samsung Electronics Co., Ltd.

### Affiliated Society

- (Semi-scholarship member), (Regular member), the Korean Institute of Communications and Information Sciences (Life member), and the Institute of Electronics and Information Engineers (Regular member)