



• Field	Microwave Engineering, etc	• Office	College of Engineering A1206
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Education background

1988 ~ 1996 UCLA/Ph.D. (Electrical Engineering)
1985 ~ 1987 (Master of Engineering - The Department of Nuclear Engineering)
1981 ~ 1985 (Bachelor of Engineering - The Department of Nuclear Engineering)

Major careers

2011.02 ~ 2013.01 Dean of the Department of Electronic Engineering
2005.11 ~ 2007.10 Director of Information and Electronics Research Institute
2004.02 ~ 2005.01 Head professor of Major in the Electronic Engineering

Studies & Books

Theses

- "The performance enhancement with multiple antenna algorithm between indoor and outdoor wireless communication", J. of KICS (2003)
- "Small Signal Response Characteristics of Microwave Reflectometry", J. of KEES (2003)
- "Results of Preliminary Testing of Blip and Cancellation Coils for the Smasung Superconductor Test Facility (SSTF)", IEEE Trans. Appl. Superco. (2003)
- "Simulation of Dynamic Stress in PF Superconducting Magnets for KSTAR Under Normal Operating Conditions", IEEE Trans. Appl. Superco. (2003)
- "The Magnetic Properties of the Ferromagnetic Materials Used for HTS Transformers at 77K", IEEE Trans. Appl. Superco. (2003)
- "Magnetic Field Analysis of HTS Transformer Windings with High Currents", IEEE Trans. Appl. Superco. (2003)
- "The results of performance tests of superconducting wires for KSTAR magnets", Adv. Cryo. Engineer. (2002)
- "The comparison of active and passive cancellation coils for SSTF", IEEE Trans. Appl. Superco. (2002)
- "Fabrication of cables for the background-filled magnet system of SSTF", IEEE Trans. Appl. Superco. (2002)
- "Design and construction of the KSTAR tokamak", Nuclear Fusion (2001)
- "Data acquisition and database management system for Samsung superconductor test facility", ICALEPS (2001)
- "AC losses and heat removal in three-dimensional winding pack of Samsung superconducting test facility under pulsed magnetic field", Cryogenics (2001)
- "The conductors of the 50 kA superconducting transformer for SSTF", Physica C (2001)
- Wavelet cross correlation을 이용한 의식적인 의도와 무의식적인 의도에 따른 뇌활성 신호의 특징 추출 [정보과학회논문지, KCI등재, 공동(제1), 2011]
- LED IT 기반의 간편한 비캐리어 가시광 통신 시스템 구현 [한국통신학회논문지, KCI등재, 공동(참여), 2011]

Others

Affiliated Society

- IEEE
- APS
- KEES
- KPS