

• Field Physics electronics, biomedical engineering, etc

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## Education background

1989 ~ 1995 University of Maryland (Ph.D of Electrical Engineering)  
1983 ~ 1985 Kyungpook National University (Master of Engineering)  
1979 ~ 1983 Kyungpook National University (Bachelor of Engineering)

## Major careers

2000 ~ 2003 Dean of Division of Information and Communication Engineering  
1995 ~ 1998 Manager of the Electronic Department, Y.P. Lee, Mock & Partners

## Studies & Books

### Research

- "A partial correlation vector approach for classifying intention-modulated neurons", 『한국뇌학회/한국뇌신경과학회 공동학술대회』 (2004)
- "Real-time brain-computer interface using activities of single neurons in the cerebral cortex: Intentional machine control", 『한국뇌학회/한국뇌신경과학회 공동학술대회』 (2004)
- "Recovery of normal behavior and neural activity of basal ganglia of Parkinson's disease model rats acupuncture treatment", 『한국뇌학회/한국뇌신경과학회 공동학술대회』 (2004)
- "Activity-dependent Gating of Input in Somatosensory System", 『한국뇌학회/한국뇌신경과학회 공동학술대회』 (2004)
- "극 저주파 및 휴대전화 환경 변수를 고려한 세포막 활동 전위 모형", 『의공학회지』 (2003)
- "양자 우물 소자 모델링에 있어서 다중 에너지 수준위 Boltzmann 방정식의 Self-consistent한 해법의 개발", 『전자공학회지』 (2002)
- "Pauli 배타 원리를 적용한 축퇴 양자 우물 소자 모델링", 『전자공학회지』 (2002)
- "Efficient Self-Consistent Semiconductor Quantum Well Device Modeling by a Direct Solution of Boltzmann Transport Equation", University of Maryland (1995)
- "박막 SiO<sub>2</sub>의 덮이 밀도와 포획단면적 특성", 『경북대학교』 (1985)

## Others

### Affiliated Society

- The Institute of Electronics and Information Engineers,