



• Field Motor control application, etc.

• Name Kim, Jeom-keum

• Title Professor

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## Education background

1886 ~ 1992 Seoul National University (Doctor of Engineering - The Department of Control and Instrumentation Engineering)  
1983 ~ 1886 Seoul National University (Master of Engineering - The Department of Control and Instrumentation Engineering)  
1978 ~ 1882 Seoul National University (Bachelor of Engineering - The Department of Control and Instrumentation Engineering)

## Major careers

2017.02 ~ 2018.12 Dean of the Department of Electronic Engineering  
2015.11 ~ 2016.08 Dean of the Department of Energy Engineering  
2013.02 ~ 2015.01 Director of the Research Institute for Information and Electronics  
2012.02 ~ 2012.11 Director of the Research Institute for Information and Electronics  
2007.07 ~ 2008.09 Team Leader of U-Health Business  
2006 ~ 2008 Team Leader of GOAL-NURI Business  
2006.07 ~ 2007.06 Team Leader of U-Health Business  
2006.02 ~ 2006.06 Head professor of Major in the Electronic Engineering  
2002.09 ~ 2004.08 Dean of the College of Information and Electronics Engineering  
2001.02 ~ 2002.01 Head professor of Major in the Mechatronics  
1997.08 ~ 1998.01 Dean of the Department of Electronic Engineering  
1994.03 ~ 1995.01 Dean of the Bachelor of Engineering

## | Studies & Books

### ■ Theses

- "Simultaneous Switching Noise Minimization Technique Using Dual Layer Power Line Mutual Inductors", VLSI Design (2001)
- "H-Inf control of discrete-time linear systems with time-varying delays in state", Automatica (1999)
- "Design of a STT Missile Autopilot Using Functional Inversion and LMI Approach", 39th IEEE CDC (2000)
- "Robust Adaptive Control of Uncertain Nonlinear Systems via Disturbance Observer Techniques", 2003 IEEE IECON (2003)
- "시변시간지연을 갖는 이산시간 선형시스템의 점근 안정도", 대한전기학회 논문지 (1999)
- "정맥마취에서 HRV분석에 의한 자율신경반응의 임상적 고찰", 대한의용생체공학회 추계학술대회 (2003)
- "TCI Development: From the Viewpoint of Biomedical Engineering", 3rd Congress of the Asian Oceainc Society for IntraVenous Anesthesia (2001)
- "4-콤파트먼트 약동학적 모델을 이용한 효과치 목표 농도 조절 주입기 개발", 제24회 대한 의용생체공학회 춘계학술대회 논문집 (2001)
- "근력을 포함한 가상환경 하에서 사용자가 느끼는 무게감에 관한 연구", 제10회 HCI2001 학술대회 논문집 (2001)
- "불확실한 비선형 시스템의 수동성에 대한 연구", 대한전기학회 논문지 (1996)
- "상태변수에 시변 시간 지연을 갖는 이산 시간 선형 시스템의 H 제어", 98한국자동제어학술회의 논문집 (1998)
- "시변 시간 지연을 갖는 불확실한 이산 시간 선형 시스템의 강인 안정도", 98 한국 자동제어 학술회의 논문집 (1998)
- "불확실한 시간 지연 이산시간 선형 시스템의 H  $\infty$ 강인제어", 대한 전기학회 논문지 (1997)

## | Others

### ■ Major research performance

- Engineering - Electronics / Information and Communication Engineering - Control and Instrumentation Systems, Industrial Electronics, Mechatronics

### ■ Academic activities

- The Korean Institute of Electrical Engineers
- The Institute of Control, Robotics and Systems

### ■ Affiliated Society

- The Korean Institute of Electrical Engineers and the Institute of Control, Robotics and Systems