

Electronic Engineering

1. General Overview

We have 27 professors who are leading systemized and practical education in the School. In the School of Electronic Engineering, we are especially interested in intelligent robots, digital broadcasting, ubiquitous systems, next-generation wireless communications systems, advanced imaging systems, embedded systems, and SoC.

2. Electronics Engineering Major

· Introduction

Electronic Engineering Major puts emphasis on creative education for intelligent, autonomous, and cooperative electronic systems based on information technology. Its curriculum was carefully designed to cultivate highly-educative, practical, and devotional engineers. Finally, it aims to cultivate global IT leaders in various fields of future society. To fulfill its final goals, it intensively carries out “1) Interdisciplinary and practical education, 2) concurrent education of new theories and practices, 3) industry-cooperative education with state-of-the-art companies, and 4) international and domestic voluntary work in engineering”. Its curriculum covers state-of-the art technologies such as semiconductor devices/design, digital system, signal/image processing, display, and communications for intelligent autonomous mobile objects (e.g. robots, vehicles, airplanes). Its graduates make their ways to various research/practical positions such as industries, institutes, public enterprises, patent attorneys, universities, schools, and company establishment.

· Faculty members

Name	Title	Phone (+82-2-)	Research Topics
Kim, Boo-Gyoun	Professor	820-0635	Electromagnetic Wave Application and Sensors
Hahn, Hernsoo	Professor	820-0709	Sensor Fusion ;Robot Vision
Song, Inchaeh	Professor	820-0708	Semiconductor Devices and Integrated Circuits
Im, Sungbin	Professor	820-0906	Digital Communication Systems and Higher-Order Signal Processing
Lee, Jaejin	Professor	820-0901	Channel coding, storage system
Cha, Hyung-Tai	Professor	820-0711	Video/Audio Signal Processing, Perceptual and Emotional Evaluation
Hong, Min-Cheol	Professor	820-0716	Video/Image processing and Visual Communication
Yoo, Myungsik	Professor	820-0717	Computer Network
Lee, Seongsoo	Associate Professor	820-0692	SoC Design
Shin, Hyun-Chool	Associate Professor	828-7165	Electronic Circuit and Data Communication
Park, Changkun	Assistant Professor	828-7166	Mobile Communication Systems, Digital Signal Processing
Lee, Hojin	Assistant Professor	820-0634	Device and pixel electrode circuits for AM-OLED displays
Park, Minho	Associate Professor	828-7176	Wired/Wireless networks and Security
Yoo, Geonwook	Associate Professor	820-0938	Solid-state devices

Hong, Sun K.	Associate Professor	820-0939	Applied Electromagnetics, Signal Processing
Lee, Heesub	Professor	828-7035	
Chung, Weon-gook	Professor	828-7036	
Kim, Youngtak	Associate Professor	828-7162	Artificial Intelligenece Robot systems
Yim, Myungsik	Associate Professor	828-7158	

3. IT Convergence Major

· Introduction

IT Convergence major originated from the school of electronic engineering. Since 2000s, IT technologies have been developed dramatically, which is leading to the fusion between different technologies inside IT as well as the convergence of IT and other industrial technologies. In order to meet the demands of times, we reorganized IT Convergence major to promote academic development, enhance the educational satisfaction, and increase career opportunities of graduates. The curriculum of IT Convergence major is based on electronic engineering and information & communication engineering. The education curriculum provides the basic knowledge of these engineering technologies, and the advanced education for the convergence of IT and diverse emerging technologies on the basis of the first training. We foster leadership experts having specialized research capabilities, practical skills, scientific thinking, application abilities through the comprehensive curriculum.

· Faculty members

Name	Title	Phone (+82-2-)	Research Topics
Bae, Myung-Jin	Professor	820-0902	Speech Communication Engineering, Mobile and Handheld Communication, Sound Engineering
Seo, Chulhun	Professor	820-0903	Wireless Communication RF Sytem
Kim, Young-Han	Professor	820-0904	Computer Network
Shin, Yoan	Professor	820-0632	Wireless Communications Systems & Communication Signal Processing
Lee, Chanho	Professor	820-0710	Digital System Design
Lee, Won-Cheol	Professor	820-0907	Mobile Communication Systems, Digital Signal Processing
Kim, Dongsung	Professor	820-0713	Medical imaging and computer vision
Jung, Souhwan	Professor	820-0714	Network Security
Kim, Chonghoon	Professor	820-0712	Optic & Wireless Communication Systems
Moon, Yong	Associate Professor	820-0715	Integrated Circuits Design
Chung, Yun Won	Assistant Professor	820-0908	mobile networks
Shin, Oh-Soon	Assistant Professor	820-7167	Wireless communication
Lee, Jong-Ho	Assistant Professor	828-7161	Wireless communication
You, Kwangboc	Associate Professor	828-7194	
Bae, Jeomhan	Professor	828-7164	System on a Chip, IoT System
Park, Hyeongwoo	Assistant Professor	820-0936	Sound Engineering, Sound Signal Processing
Hong, Seungmo	Assistant Professor	828-7163	Wireless RF & Digital Signal Processing
Ahn, Iksoo	Assistant Professor	820-0905	Applied Acoustic Contents
Dinh Ngoc Thanh	Assistant Professor	828-7271	IoT, 5G, Wireless Ad-hoc and sensor networks, NFV/SDN, Infomation centric networking