

2015 봄학기 KAIST 전기및전자공학부 박사논문세미나 발표



4월 03일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	노재형	문재균	Self-iterating linear equalization for 2D intersymbol interference
11:45	양희성	전주환	A Study on the Development of Localization Methods for Distributed MIMO Radar Systems
13:00	김영화	조성환	High-speed ADC using time-domain signal processing
14:15	이재승	이상국	A 2.4GHz Multi-Channel OOK Receiver Adopting Receiver-Based FLL

시 간	발표자	지도교수	발표제목
14:30	최현석	박철순	Study on data rate improvement for STNO-based wireless communication
15:45	김홍이	박철순	Millimeter-wave Antenna-in-Package Design for Mobile Communications
16:00	송인상	박철순	Low Power Beamforming System for 60 GHz Mobile Applications
17:15	조성준	박철순	Millimeter-wave Low Power Wideband Signal Generator in CMOS Technology

4월 10일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	임한성	성단근	Energy-Efficient Mechanisms in Heterogeneous Networks
11:45	윤동규	이 용	Design of optimal link-layer protocols for wireless networks
13:00	김민현	이용훈	Compressed Sensing Approach to Channel Estimation in Massive MIMO Systems
14:15	조훈경	전주환	Spatio-temporal Radar Target Identification using RCS Modeling and HMM

시 간	발표자	지도교수	발표제목
14:30	곽기욱	김대식	A novel tactile stimulation system based on a computational model of the fingerpad
15:45	이승호	노용만	Subject-independent facial expression recognition
16:00	유종범	유경식	Nanophotonics circuits for on-chip optical links
17:15	권경목	유경식	Development of light emitting and detecting devices for photonic integrated circuit

4월 17일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	강유성	박동조	Dynamic Key Establishment Method Using an RFID Anti-Collision Protocol
11:45	강정원	박동조/ 정명진(공동)	Online motion segmentation and its application to generic object hypotheses generation
13:00	진승리	박동조	Linear Precoding Design for Mutual Information Maximization in Generalized Spatial Modulation with Finite Alphabet Inputs
14:15	허아영	박동조	Beamforming Schemes Using Duality for MIMO Two-Way Relay Systems

시 간	발표자	지도교수	발표제목
14:30	이재훈	박동조	Linear Precoder Design for Sensing-Based Spectrum Sharing in Cognitive Radio Networks
15:45	생바로셀	류승탁	Flash-Assisted Time-Interleaved (FATI) Successive Approximation (SA) ADC for Low Power, High Speed A/D Conversion
16:00	김종인	류승탁	Time-domain latch interpolation techniques for flash ADC
17:15	오길근	류승탁	Pipelined ADC with Supply-Referencing technique for WAVE Application Systems

5월 01일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	김선아	이상국	Terahertz monolithic imager adopting VCO-based signal processing technique
11:45	원유선	이상국	A 24 GHz ISM Band Pulse Radar with an Improved Range Resolution for Short-Range Applications
13:00	김진우	박현철	Iterative Beamforming Using Duality for Full-Duplex Multiuser MIMO Systems
14:15	임상훈	하정석	Secret Key Agreement with Large Antenna Arrays under the Pilot Contamination Attack

시 간	발표자	지도교수	발표제목
14:30	김은희	김문철	A Study on Statistical Learning Based Dynamic Topic and User Modeling for Automatic TV Pro-gram Recommendation
15:45	조승현	김문철	An Efficient Scheme for In-loop Filtering across Tile Boundaries for Multi-Core HEVC Hardware Decoders with 4K/8K-UHD Video Applications
16:00	최원철	신민철	A study on thermoelectric properties of silicon and metal silicide hetero-junction structure
17:15	윤영광	유승협	Low frequency noise and reliability of nanowire FETs and Junctionless accumulation mode FinFETs

5월 08일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	박재훈	권인소	Efficient local invariant feature
11:45	이준영	권인소	Photometric approaches for appearance modeling and image editing
13:00	박재식	권인소	Image-based 3D Modeling via Constrained Optimization
14:15	최진호	유창동	Underdetermined High-resolution DOA Estimation: A 2pth-order Source-signal/Noise Subspace Constrained Optimization

시 간	발표자	지도교수	발표제목
14:30	신진수	이창희	Optical devices based on polymer waveguide for compact and low-cost optical transceiver
15:45	유상화	이창희	Interferometric Noise Suppression based DWDM Optical System
16:00	홍정표	한민수	An Optimally-Modified Multichannel Wiener Filter with Speech Presence Probability
17:15	이은정	박홍식	ECONet: End-to-End Delay Guaranteed Cooperative Energy Optimization Algorithm toward Green Internet using Ant Colony Optimization

5월 15일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	박준석	김이섭	A Unified interest point detection and matching hardware for real-time vision system
11:45	김동건	성영철	Two-Stage Beamformer Design for Massive MIMO Downlink by Trace Quotient Formulation
13:00	박병용	박성욱	A study on 5G mobile antennas using low loss Mg2SiO4-MgTiO3 material
14:15	정명호	박성욱	Propagation Measurement of Rayleigh Fading Channel at 28GHz using FMCW Radar

시 간	발표자	지도교수	발표제목
14:30	신동현	박성욱	The study on antenna for automotive radar
15:45	심동훈	정윤철	Optical Transmission Technology for High-capacity Short-reach Network
16:00	채승완	홍성철	Terahertz wave CMOS Power Detector with On-chip Antenna
17:15	표기태	홍성철	K-band FMCW Radar Transceiver CMOS IC

5월 22일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	김경훈	유회준	Real-time Markerless Augmented Reality Processor for Smart Glasses
11:45	홍선주	유회준	Electrical Impedance Tomography SoC & System for Wearable Healthcare
13:00	유민욱	김탁곤	HLA service management for interoperation of federations
14:15	김지환	정 승	Traffic-aware Base Station Sleep Mode Control in Cooperative Networks

시 간	발표자	지도교수	발표제목
14:30	조신영	문건우	Impact of Ripple-Current Charging on Battery Performance
15:45	김재현	문건우	Research on Load Adaptive Control for Improving Light-Load Efficiency in Server and Network Power Supply
16:00	김준호	문건우	Study on Full-Bridge Converter with Integrated and Hybrid Structure for On-board Charger in Electric-Powered Vehicles
17:15	정순홍	박현욱	A Fast Mode Decision Method using Adaptive Ordering of Modes for HEVC Inter Coding

5월 29일
우리별 세미나실
(E3-2, 2201호)

시 간	발표자	지도교수	발표제목
10:30	기영욱	김준모	Sequential Convex Programming for Computing Information-Theoretic Minimal Partitions
11:45	황원준	김준모	Unified Classifier using Multiple Feature for Face Recognition
13:00	홍슬기	조병진	Characteristics of Graphene RF Field Effect Transistors and Integrated Engineering for CMOS-Graphene Hybrid Circuit
14:15	최정민	유승협	Organic vapor jet printing system

시 간	발표자	지도교수	발표제목
14:30	배윤성	나종범	Automatic road extraction from remote sensing images based on a normalized second derivative map
15:45	김지혜	나종범	An effective post-filtering framework for 3D PET image denoising based on noise and sensitivity characteristics
16:00	유석봉	나종범	Blind Post-Processing for Compression Artifact Reduction in Low Bit-Rate Coded Videos
17:15	정성아	강준혁	Physical-layer Optimization for Localization based on Wireless Networks

제2공동강의실
(E3-2, 1220호)

시 간	발표자	지도교수	발표제목
10:30	이주석	양경훈	Design and Characterization of RTD Oscillators for THz Wave Generation
11:45	김대원	최양규	Triboelectric Generator for Mechanical Energy Harvesting
13:00	최준한	조규형	Wireless Power Charger IC
14:15	정민용	조규형	An Error-Based Controlled Single-Inductor 10-Output DC-DC Buck Converter with High Efficiency at Light Load Using Adaptive Pulse Modulation

시 간	발표자	지도교수	발표제목
14:30	QU WANYUAN	조규형	A design-oriented analysis for Miller Compensation and its application to multistage amplifiers.
15:45	원호섭	배현민	Phase Rotator PLL-based Low-power Transceiver IC and Sigma-tracking EOM-based Adaptive Equalizer for 100-Gigabit Ethernet Link
16:00	김정중	김병국/ 이주장(공동)	Trajectory Optimization with Particle Swarm Optimization for Motion Planning
17:15	최상혁	전주환	A stochastic CRB for non-unitary beam-space transformations and its application to optimal steering angle design