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[CDC] Chip Design Contest

Date	Feb. 25, 2014 (Tue.)
Place	Room M/ 제1공학관 508호 (# 508, Engineering Building I)
CDC001	A 60/120 GHz Push-push Voltage Controlled Oscillator in 65 nm CMOS Technology 저자: Namhyung Kim, Jongwon Yun, and Jae-Sung Rieh 소속: School of Electrical Engineering, Korea University
CDC002	2 A 60 GHz Injection-Locked Frequency Divider in 65 nm CMOS Technology 저자: Namhyung Kim, Jongwon Yun, and Jae-Sung Rieh 소속: School of Electrical Engineering, Korea University
CDC003	A 5 GHz Phase Locked Loop in 0.11-µm CMOS Technology 저자: Namhyung Kim, Jongwon Yun, and Jae-Sung Rieh 소속: School of Electrical Engineering, Korea University
CDC004	A Low-Power Low-Noise CMOS Instrumentation Amplifier for Versatile Biopotential Signal Acquisition 저자: 최종환, 이욱준, 신현철 소속: 광운대학교 전파공학과
CDC005	5 A 1 W, 68 % PAE Stacked RF Power Amplifier Using 0.18-µm SOI CMOS 저자: Jung-Lin Woo, Sunghwan Park, and Youngwoo Kwon

소속: Department of EECS and INMC, Seoul National University

CDC006 A 14-b Ratio-Independent Algorithmic ADC 저자: Seunghuen Song, Kichang Jang, Chulkyu Park, and Joongho Choi 소속: Department of Electrical and Computer Engineering, University of Seoul

- **CDC007** Designed Opamp Sharing SDM with FDPA(Feedback Delay Path Addition) Technique 저자: Euihoon Jung, Kisang jung, Jaebung Kim, and Seongik Cho 소속: Div. of Electronic & Information Engineering, Chonbuk National University
- **CDC008** Design and Implementation of BPSK Modem in 0.35 um CMOS Process 저자: Cheolmin Ahn, Youngsik Kim 소속: Department of Information and Technology, Handong Global University
- **CDC009** Vibration Induced Self-startup for Dual-source Energy Harvesting Interface 저자: Young-Sub Yuk, Hui-Dong Gwon, Sung-Won Choi and Gyu-Hyeong Cho 소속: Department of Electrical Engineering, KAIST
- CDC010 A 2.4µW 400nC/s Constant Charge Injection for Wirelessly-Powered Electro-Acupuncture 저자: Hyungwoo Lee, Yongsu Lee, and Hoi-Jun Yoo 소속: Department of Electrical Engineering, KAIST
- **CDC011** An ANN-Searching Processor for Full-HD 30fps Video Object Recognition 저자: Gyeonghoon Kim, Jinwook Oh, Dongjoo Shin, and Hoi-Jun Yoo 소속: Department of EE, KAIST

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Room M/ 제1공학관 508호 (# 508, Engineering Building I) Place **CDC012** 채널간 전류 오차를 보상하는 PLL구조를 이용한 Current regulator의 설계 저자: 임을수, 황인철 소속: 강원대학교 전기전자공학과 **CDC013** H+ Ion-sensitive Transistor based on Gated Lateral Bipolar Junction Transistor (GLBJT) 처자: Hyeon-Ji Yun¹, Hyun-Min Jeong², Hyurk-Choon Kwon², and Shin-Won Kang¹ 소속: ¹Department of Sensor and Display Engineering, Kyungpook National University, ²School of Electronics Engineering, College of IT Engineering, Kyungpook National Universitv A Hough Transform-Based Line Detection Accelerator **CDC014** 저자: Jeong-Rok Lee, Hyeon-Sik Son, Kyeong-ryeol Bae, and Byungin Moon 소속: School of Electronics Engineering, Kyungpook National University Wide dynamic range CMOS Linear-Logarithmic active pixel sensor **CDC015** 저자: Sung-Hyun Jo¹, Myunghan Bae¹, Minho Lee¹, Jeongyeob Kim², Byoung-Soo Choi¹, Pyung Choi¹ and Jang-Kyoo Shin^{1,2} 소속: ¹School of Electronics Engineering, College of IT Engineering, Kyungpook National University, ²Department of Sensor and Display Engineering, Kyungpook National University **CDC016** Design of Analog-Digital Signal Processing Circuit for y-ray Detection 저자: You Mi Kwon¹, Hee-Sung Kang¹, Ji-Hyun Kim¹, Soo-Jin Yu¹, Ju-Yeung Kim¹, Minho Lee¹, Young-Kyu Kwon², Deok-Hwan Hyun³, Jung-Hee Lee¹ and Yong Soo Lee¹ 소속: ¹School of Electronics Engineering, Kyungpook National University, ²Department of Electronics Engineering, Uiduk University, ³Department of Electrical Energy and Electronic Engineering, Gyeongju University 320MHz ~2.2GHz 32분주 다이나믹 D-플립플롭 디바이더 **CDC017** 저자: 정재상, 하정완, 김창우 소속: 경희대학교 전자전파공학 **CDC018** Understanding CMOS Amplifier Design Issues in D-band by Fabricating **Conventional Amplifier** 저자: S.H. Choi, K.J. Lee, and M. Kim 소속: School of Electrical Engineering, Korea University Low Area / Power Viterbi Decoder Enabled by Logic Compatible eDRAM **CDC019** 저자: Woong Choi, Gyuseong Kang and Jongsun Park 소속: School of Electrical Engineering, Korea University Low Area FFT Processor with Logic Compatible Embedded DRAM **CDC020** 저자: Gyuseong Kang, Woong Choi, and Jongsun Park 소속: School of Electrical Engineering, Korea University

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CDC021	Varification of Low Power and Ultra High Speed On-Chip CMOS Temperature
	Sensor 저자: Jiwoong Jang, Jinse Kim, Reum Oh, Man Young Sung 소속: Department of Electrical Engineering, Korea University
CDC022	A 6-Level Signaling Driver for High Speed Interface 저자: Tae-Hoon Lee, Seong-Ju Lee, Suki Kim 소속: School of Electrical Engineering, Korea University
CDC023	Design of a successive approximation registered ADC with a modified capacitor switching method 저자: Jung-Min Lee, and Jong-In Song 소속: School of Information and Communications, GIST
CDC024	A Chopper-Stablized Current-Feedback Instrumentation Amplifier with a Tunable Gain and Low-cutoff Frequency for EEG Acquisition Applications 저자: Chung-Jae Lee, and Jong-In Song 소속: School of Information and Communications, GIST
CDC025	Characterization of Interface States based on the Sub-bandgap Photonic Subthreshold Current in MOSFETs 저자: Jungmin Lee, Jun Seok Hwang, Jaeyeop Ahn, Hyunjun Choi, Hagyoul Bae, Sungwoo Jun, Jinsu Yoon, Sung-Jin Choi, Dae Hwan Kim and Dong Myong Kim 소속: School of Electrical Engineering, Kookmin University
CDC026	Oscillation RF-DC Converter for Wireless Energy Harvesting 저자: Jihoon Lee, Wonjae Jung, Hyobin Jung, Yoonjae Nam, Donggyun Yoo, Yongki hur and Junseok Park 소속: School of Electronical Engineering, Kookmin University
CDC027	An Active Switching DC-DC Converter for wireless energy harvester 저자: Jihoon Lee, Wonjae Jung, Hyobin Jung, Snaggu Yoon, Donggyun Yoo, Yongki Hur and Junseok Park 소속: School of Electronical Engineering, Kookmin University
CDC028	A Design of High Efficiency Microwave Wireless Power Acceptor IC 저자: Jihoon Lee, Wonjae Jung, Hyobin Jung, Anggu Yoon, Yoonjae Nam, Yongki hur and Junseok Park 소속: School of Electronical Engineering, Kookmin University
CDC029	A Design of Up-Down Converter for WCDMA Repeater 저자: Hyo-Bin Jung, Won-Jae Jung, Sang-Kyu Kim, Se-Mi Lim, Ji-Hoon Lee, Kyu-Hyun Nam, Jun-Seok Park 소속: School of Electrical Engineering, Kookmin University

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Place	Room M/ 제1공학관 508호 (# 508, Engineering Building I)
CDC030	A Design of Transceiver for Advanced UHF band RFID Reader 저자: Hyo-Bin Jung, Won-Jae Jung, Sang-Kyu Kim, Se-Mi Lim, Ji-Hoon Lee, Kyu-Hyun Nam, Jun-Seok Park 소속: School of Electrical Engineering, Kookmin University
CDC031	16-channel LED Driver IC for Full-Color LED Display 저자: Hyobin Jung, Wonjae Jung, Sanggu Yoon, Yoonjae Nam, Donggyun Yoo and Jun- Seok Park 소속: School of Electronical Engineering, Kookmin University
CDC032	A Design of Wideband Programmable Gain Amplifier(PGA) for LTE Repeater System 저자: Hyo-Bin Jung, Jun-Seok Park 소속: School of Electrical Engineering, Kookmin University
CDC033	A 10-bit 10-MS/s Asynchronous Successive Approximation Register ADC using MOM Capacitive DAC 저자: Yeon-Ho Jeong, Sang-Min Park, and Young-Chan Jang 소속: Department of Electronic Engineering, Kumoh National Institute of Technology
CDC034	2조 동선에서 500 Mbps 이더넷 전송이 가능한 물리적 부호계층의 설계 저자: 전성배, 박해원, 정해 소속: 금오공과대학교 전자공학과
CDC035	A CMOS Conductometric Sensor Readout Circuit Design Using Single-Wall Carbon Nanotube Sensor Arrays 저자: JongHo Park ¹ , Cheolhwan Lim ² , Sujith S Dermal ² , Sungyong Jung ² and Hoon-Ju Chung ¹ 소속: ¹ School of Electronic Engineering, Kumoh National Institute of Technology, ² Electrical Engineering Department, The University of Texas at Arlington
CDC036) On-Chip Spectral Analyzer 저자: Woo-Hun Hong, Byeong-Ho Kang, Kyung Ki Kim 소속: School of Electronic and Electrical Engineering, Daegu University
CDC037	An 8b 2GS/s Time-Interleaved Folding-Interpolation ADC with Self-Calibration 저자: Donggwi Choi, Daeyun Kim and Minkyu Song 소속: Department of Semiconductor Science Dongguk University
CDC038	A CMOS Image Sensor based on a Cyclic ADC with a Digital Logarithmic Counter 저자: Kyungtae Kim, Daeyun Kim and Minkyu Song 소속: Department of Semiconductor Science, Dongguk University

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Place	Room M/ 제1공학관 508호 (# 508, Engineering Building I)
CDC039	6-bit 1GS/s Fully Differential Current Steering DAC 저자: GeunYeong Park, ChaeYeol Lim and MinKyu Song 소속: Department of Semiconductor Science, Dongguk University
CDC040	An Implementation of H.264 Decoder with Reference Frame Access Optimization 저자: Eunchong Lee, Youngsuk Kang, Donggil Kang, Jeongwoo Yoo and Youpyo Hong 소속: Division of Electronics and Electrical Engineering, Dongguk University
CDC041	GPS/Galileo를 동시 지원하는 멀티밴드 저전력 65-nm CMOS RF 수신기 저자: 최치훈 ¹ , 최준우 ² , 김민수 ¹ , 남일구 ¹ 소속: ¹ 부산대학교 전기공학과, ² SK하이닉스 Mobile 개발본부
CDC042	A 1-4Gb/s All Digital CDR 저자: Isak Hwang and Jinwook Burm 소속: Department of Electronic Engineering, Sogang University
CDC043	CMOS rectifier circuit for Piezoelectric Energy Harvesting Device 저자: Dongjae Han, Seunghwan Song and Kwang-Seok Yun 소속: Department of Electronic Engineering, Sogang University
CDC044	94 GHz Resistive Mixer 저자: Jihoon Kim, Hongjong Park, Sangho Lee, and Youngwoo Kwon 소속: Department of EESC and INMC, Seoul National University
CDC045	V-band Low Noise Amplifier for 60GHz WPAN Applications 저자: Hongjong Park, Sangho Lee, and Youngwoo Kwon 소속: Department of EECS and INMC, Seoul National University
CDC046	26-GHz VCO와 주파수 3 체배기를 이용한 77-GHz QVCO 설계 저자: 송재훈, 남상욱 소속: 서울대학교 뉴미디어 통신공동연구소
CDC047	A CMOS Integrated Carbon Nanotube Biosensor Array with AC Measurement Capability 저자: Seok Hynag Kim, Jin-Hong Ahn and Young June Park 소속: Department of Electrical and Computer Engineering, Seoul National University
CDC048	A 4.0-6.0GHz All-Digital Phase-Locked Loop with a Digitally Controlled Oscillator Using Digitally Controlled Current Source 저자: Sungwoo Kim, Taeho Kim, Sungchun Jang, Sanghyeok Chu, Deog-Kyoon Jeong 소속: Department of Electrical and Computer Engineering, Seoul National University
CDC049	Implementation of Multiple Event Handling Processor 저자: Dabujin Lee, Sehyun Song, Kichul Kim 소속: School of Electrical and Computer Engineering, University of Seoul

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CDC050	Current-Mode SAR ADC for Resistance Variation Analysis Aimed at Adaptive Reference Control in Cross-Point ReRAM 저자: Se-Jin Baik ¹ , Jong-Min Baek ¹ , Sang-Yun Kim ^{1,2} , Jae-Koo Park ¹ , Kee-Won Kwon ¹ 소속: ¹ College of Information and Communication Engineering, Sungkyunkwan Univ., ² Memory Division, Samsung Electronics Co., LTD.
CDC051	PFM/PWM Dual Mode Feedback LED BLU Driver IC 저자: Hong-Jin Kim, Young-Jun Park, Chang-Jae Yoo, and Kang-Yoon Lee 소속: IC Lab, SungKyunKwan University
CDC052	V-band PLL용 60GHz VCO의 설계 저자: 이종석, 문용 소속: 숭실대학교 전자공학과
CDC053	Supply Modulator with Compact Size 저자: Seokhyun Yoon, Changhyun Lee, and Changkun Park 소속: School of Electronic Engineering, Soongsil University
CDC054	Improved Layout of LC Tank for Voltage Controlled Oscillator 저자: Milim Lee, and Changkun Park 소속: School of Electronic Engineering, Soongsil University
CDC055	넓은 입력 범위를 갖는 가변 이득 시간 증폭기 저자: Doohyun Shon and Taewook Kim 소속: Department of Electrical & Electronic Engineering, Yonsei University
CDC056	77 GHz 90°, 45°, 22.5° 위상 변위기 설계 저자: 이효성, 민병욱 소속: 연세대학교 전기전자공학부
CDC057	발룬을 이용한 C-Band 마이크로파 스위치 설계 저자: 김경원, 민병욱 소속: 연세대학교 전기전자공학과
CDC058	Step Response Calculation of a Single-Ended Buffer with Arbitrary Power-Supply Voltage Fluctuations 저자: Eunkyeong Park, Junho Lee, Jingook Kim 소속: School of Electrical and Computer Engineering, UNIST
CDC059	초소형 센서노드를 위한 MPPT 제어기능을 갖는 삼중입력 에너지 하베스팅 회로 설계 제 저자: 윤은정, 박종태, 유종근 소속: 인천대학교 전자공학과

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Place	Room M/ 제1공학관 508호 (# 508, Engineering Building I)
CDC071	Band Pass Filter with Pseudo-Resistor for Biosensor signal detection 저자: Nam Pyo Hong, Chung-Gun Kim, and Young Wan Choi 소속: School of Electrical and Electronics Engineering, College of Engineering, Chung- Ang University
CDC072	Noise analysis of CMOS pre-amplifier design 저자: In-II JUNG ¹ and Young-Wan Choi ² 소속: ¹ Rare Isotope Science Project, Institute for Basic Science, ² School of Electrical and Electronics Engineering, Chung-Ang University
CDC073	A Light Amplitude Modulated Neural Stimulator with Photodiode for Visual Prostheses 저자: Kyomuk Lim, Jindeok Seo, Changho Seok, Hyounho Kim, Seunghyun Im, and Hyoungho Ko 소속: Department of Electronics, Chungnam National University
CDC074	9 bit SAR ADC with Kickback Noise Reduced Comparator 저자: 임승현, 서진덕, 임교묵, 석창호, 김현호, 고형호 소속: 전자공학과 충남대학교, 차세대전자기판회로학과 충남대학교
CDC075	5 A Digital Hearing Aid SoC in 65nm CMOS 저자: Wooseok Byun, Hyeji Kim, Yeon-Tae Kim, and Ji-Hoon Kim 소속: Department of Electronics Engineering, Chungnam National University
CDC076	Kogge-Stone 바이패싱 덧셈기 설계 저자: 안종훈, 최성림, 남병규 소속: 충남대학교 컴퓨터공학과
CDC077	A capacitance multiplier using the current conveyors 저자: Dae-Hwan Lee, Min-Su Kim, and Yeong-Seuk Kim 소속: Department of Semiconductor Engineering, Chungbuk National University
CDC078	HV EDMOS with LNDC (laterally Non-uniform Doped Channel) 저자: Min-Hyuk Sung ¹ , Min-Su Kim ¹ , Ki-Ju Baek ¹ , Yeong-Seuk Kim ¹ and Kee-Yeol Na ² 소속: ¹ Department of Semiconductor Engineering, Chungbuk National University, ² Department of Semiconductor Electronics, Chungbuk Provincial College
CDC079) 프로세서 침입탐지를 위한 아날로그 센서 회로 설계 저자: 고강호, 신상진, 김석만, 조경록 소속: 충북대학교 정보통신공학과
CDC080	Highly efficient supply modulator for Envelope Tracking RF Power Amplifier (ET RF PA) 저자: Jimin Kwon, Jungjoon Kim, and Bumman Kim 소속: Department of Electrical Engineering, POSTECH

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Date Feb. 25, 2014 (Tue.) Room M/ 제1공학관 508호 (# 508, Engineering Building I) Place **CDC081** Highly efficient quadrature transmitter using RF Digital-to-Analog Converter (RF DAC) 저자: Hadong Jin, Dongsu Kim, and Bumman Kim 소속: Department of Electrical Engineering, POSTECH A 0.4 V Driving Multi-Touch Capacitive Sensor with the Driving Signal Frequency **CDC082** set to (n+0.5) Times the Inverse of the LCD VCOM Noise Period 저자: Jae-seung Lee, Dong-Hee Yeo, Jae-Yoon Sim, Byung-Sub Kim, and Hong June Park 소속: Pohang University of Science and Technology (POSTECH) **CDC083** 1축 진동형 MEMS 자이로의 구동회로 제작 저자: 김민서¹, 임을수³, 권혁진², 황인철³, 임근배² 소속:¹포항공과대학교 융합생명공학부,²포항공과대학교 기계공학과,³강원대학교 전 기전자공학과 **CDC084** 6.2 – 9.7 GHz LNA Using Series RLC Input Matching and Resistive Feedback 저자: Ji An Park, Choon Sik Cho 소속: School of Electronics, Telecommunication and Computer Engineering, Korea Aerospace University **CDC085** 10-bit, 40 MS/s, 30 mW Pipelined ADC in 0.18 um CMOS Technology 저자: Cheolmin Ahn, Youngsik Kim 소속: Department of Information and Technology, Handong Global University **CDC086** Design and Implement of 8-bit Segmented Type DAC in 0.35 um Technology 저자: Cheolmin Ahn, Youngsik Kim 소속: Department of Information and Technology, Handong Global University **CDC087** An Envelope Tracking Modulator for the Mobile Power Amplifiers 저자: Minchul Kim and Junghyun Kim 소속: Department of the Electronics and System Engineering, Hanyang University **CDC088** PFM-PWM Dual-mode Circuit using CMOS OTAs 저자: Min-Hye Kang, Fan Zhang, and Hee-Jun Kim 소속: Department of Electronic Systems Engineering, Hanyang University Wide gain Range Variable Gain Amplifier **CDC089** 저자: Chang-Woo Lim and Tae-Yeoul Yun 소속: Department of Electrical Engineering and Computer Science, Hanyang University **CDC090** A High-Image-Quality Data Driver IC for Flat Panel Displays 저자: Jong-Seok Kim and Byong-Deok Choi 소속: Department of Electronic Engineering, Hanyang University

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Place	Room M/ 제1공학관 508호 (# 508, Engineering Building I)
CDC091	A CMOS Temperature Sensor Using Multi-Core Structure 저자: Tai-Soon Park, and Sang-Gyu Park 소속: Department of Electronics Computer Engineering, Hanyang University
CDC092	High-Linearity Variable-Gain Drive Amplifier 저자: Jun-Young Park and Tae-Yeoul Yun 소속: Department of Electrical Engineering and Computer Science, Hanyang University
CDC093	Capacitive Touch Screen Panel Readout Circuit against Display Noise 저자: Duhyun Jeon, Hyun-Woo Kim, and Byong-Deok Choi 소속: Department of Electronic Engineering, Hanyang University
CDC094	10-bit Two-Step Single Slope ADC for A Low-Power CMOS Image Sensor 저자: Duhyun Jeon, Don-gu Lee, and Byong-Deok Choi 소속: Department of Electronic Engineering, Hanyang University
CDC095	Energy/Power efficient Multimedia Processor for Low-Level Image Processing with DVFS and Dynamic gating 저자: Jun-Seok Park, Hyo-Eun Kim, Sang-Hye Chung, Jaehyeong Sim, Wongyu Shin, Dongil Lee, Jeongmin Yang, and Lee-Sup Kim 소속: Department of Electrical Engineering, KAIST
CDC096	An Inductorless Wideband LNA in 0.18-µm CMOS Technology 저자: Yang Hun Lee, Sun Yool Kang, and Chul Soon Park 소속: Department of Electrical Engineering, KAIST
CDC097	BER optimum adaptive reference calibration ADC 저자: Sejun Jeon, Hyeon-Min Bae 소속: Department of Electrical Engineering, KAIST
CDC098	A Low-Power Parallel Multiplier based on Optimized Bypassing Architecture 저자: Sunjoo Hong, Hyunki Kim, and Hoi-Jun Yoo 소속: Department of Electrical Engineering, KAIST
CDC099	A Dynamic Electrode Impedance Matched Acupuncture-Type Diagnosis System 저자: Kiseok Song, Taehwan Roh, Minseo Kim, and Hoi-Jun Yoo 소속: Division of Electrical Engineering, School of EE, KAIST
CDC100	Adaptive Output-Voltage Boost Converter for Compact Electro-Acupuncture System 저자: Hyungwoo Lee, Yongsu Lee, and Hoi-Jun Yoo 소속: Department of Electrical Engineering, KAIST

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Place	Room M/ 제1공학관 508호 (# 508, Engineering Building I)
CDC101	A 34.1fps Scale-space Processor with Two-dimensional Cache for Real-time Object Recognition 저자: Youchang Kim, Junyoung Park, Gyeonghoon Kim, Jin-Mook Lee, and Hoi-Jun Yoo 소속: Department of Electrical Engineering, KAIST
CDC102	A 37.5 μW Body Channel Communication Wake-up Receiver with Injection- locking Ring Oscillator for Wireless Body Area Network 저자: Hyunwoo Cho, Joonsung Bae, Jaeeun Jang, and Hoi-Jun Yoo 소속: Department of Electrical Engineering, KAIST
CDC103	High-speed Support Vector Machine Processor 저자: Junyoung Park, Kyeongryeol Bong, and Hoi-Jun Yoo 소속: Department of Electrical Engineering, KAIST
CDC104	Retinex Image Enhancement Processor for Robust Illumination Adaptation 저자: Junyoung Park, Sung-Pill Choi, and Hoi-Jun Yoo 소속: Department of Electrical Engineering, KAIST
CDC105	A Low-Power Integrator Circuit Design for Infrared Sensor 저자: Yeong Seon Kim, Hee Chul Lee 소속: Department of Electrical Engineering, KAIST
CDC106	Self-bias controlled ROIC for Uncooled Infrared sensors 저자: Y. M. Jo, D. H. Woo and H. C. Lee 소속: Department of Electrical Engineering, KAIST
CDC107	Emulated zero-inductor current sensor for buck-type DC-DC converter 저자: Sung-Wan Hong 소속: Department of Electrical Engineering, KAIST
CDC108	CMOS Band-gap Reference with High PSRR and Low TC 저자: Seki Kim, Gyu-Hyeong Cho 소속: KAIST
CDC109	적혈구 응집능 측정 Read-Out IC 설계 저자: 최석환, 조규형 소속: 한국과학기술원 전기및전자공학과
CDC110	5 Level Audio Power Amplifier for reducing the switching noise and EMI effect 저자: Young-Sub Yuk, Hui-Dong Gwon, Sung-Won Choi, and Gyu-Hyeong Cho 소속: Department of Electrical Engineering, KAIST
CDC111	40V 16 channels PWM LED current driver for display applications 저자: Park, Changbyung 소속: Department of Electrical Engineering, KAIST

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CDC112	PWM LED Current Diver Feedback Voltage Generator for Boost Converter in LED BLU 저자: Park, Changbyung 소속: Department of Electrical Engineering, KAIST
CDC113	On Chip PID Compensation 저자: Sung-woo Lee, Gyu-Hyeong Cho 소속: KAIST
CDC114	Digitally Aided Analog Multiplier Based on a Resistor-String Digital to Analog Converter 저자: Seungchul Jung and Gyu-Hyeong Cho 소속: KAIST
CDC115	A Novel Current Balancing Technique for the Four-Phase Buck 저자: Jun-Han Choi, and Gyu-Hyeong Cho 소속: Department of Electrical Engineering, KAIST
CDC116	A Layout Technique for the Highly-Matched Current Bias Cell 저자: Jun-Han Choi, and Gyu-Hyeong Cho 소속: Department of Electrical Engineering, KAIST
CDC117	Streaming ISO18000-6 Type C RFID Tag Design 저자: Joon Goo Lee, Seon Wook Kim, Jae-Sung Rieh, Jongsun Park, and Chulwoo Kim 소속: School of Electrical and Computer Engineering, Korea University
CDC118	저 복잡도를 가지는 2Gbps급 IEEE 802.11ac용 LDPC 인코더의 FPGA 구현 저자: 박효빈, 김나래, 이성주 소속: 세종대학교 정보통신공학과
CDC119	Design of a Fractional-N Frequency Synthesizer for Near Field Communication 저자: Hyuk Ryu, Keum-Won Ha, Joonhong Park, and Donghyun Baek 소속: School of Electrical Engineering, Chung-Ang University
CDC120	용량형 입력 임피던스 증가 루프를 적용한 생체 신호 측정 회로 저자: 석창호 ¹ , 임교묵 ² , 서진덕 ¹ , 김현호 ¹ , 임승현 ¹ , 고형호 ^{1,2} 소속: ¹ 충남대학교 전자공학과, ² 충남대학교 차세대전자기판회로학과
CDC121	트위스티드 연결구조를 이용한 small 스윙 도미노 회로 저자: 안상윤, 김석만, 조경록 소속: 충북대학교 정보통신공학
CDC122	M2M authentication module based on PUFs 저자: Piljoo Choi and Dong Kyue Kim 소속: Department of Electronics Engineering, Hanyang University

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Date	Feb. 25, 2014 (Tue.)
Place	Room M/ 제1공학관 508호 (# 508, Engineering Building I)
CDC123	Offline User Authentication Method of Smart Card using PUF 저자: Jae Seong Lee and Dong Kyue Kim 소속: Department of Electronics and Computer Engineering, Hanyang University
CDC124	AES hardware module with masking against side channel attacks 저자: Jae Seong Lee and Dong Kyue Kim 소속: Department of Electronics and Computer Engineering, Hanyang University
CDC125	Low-Power Design of Hardware One-Time-Password Generators for Card-Type OTPs
CDC126	저자: Sung-Jae Lee, Jae Seong Lee, Mun-Kyu Lee, Sang Jin Lee, Doo-Ho Choi and Dong Kyue Kim 소속:Hanyang University Built-in Hardware Pseudo-Random Test Module for Physical Unclonable Functions
CDC127	저자: Jae Seong Lee, Piljoo Choi, Song-Ju Kim, Byong-Deok Choi, and Dong Kyue Kim 소속:Hanyang University Benzene Gas Detection using A Mosfet-BJT Hybrid Mode Operated Gated Lateral BJT
CDC128	저자: H. Yuan, H.M. Jeong, J.S. Lee, B.H. Kang, S.H. Yeom, S.W. Lee, S.H. Kim, J.K. Shin, and S.W. Kang 소속:Kyungpook National University 0.18µm CMOS 공정을 이용한 12-bit 1MSps 연속 근사화 아날로그-디지털 변환기 설 계
CDC129	저자: 성명우, 최성규, 김성우, 김신곤, 이주섭, 오세명, 서민수, 류지열 소속:Pukyung National University CMOS 스위치를 이용한 디지털 이득 제어 구조의 PGA 설계
CDC130	저자: 김철환, 박승훈, 이정훈, 임재환, 이주섭, 최근호, 임윤성, 류지열 소속:Pukyung National University A New Low-Power Programmable CMOS Gain Amplifier
	저자: Seung-Hun Park, Jung-Hoon Lee, Sung-Woo Kim, Seung-Kyu Choi, Cheol-Hwan Kim, Myeong-U Seong, Shin-Gon Kim, and Jee-Youl Ryu 소속:Pukyung National University
CDC131	PET Detector with Adaptive Circuits 저자: Himchan Park, Kyunghoon Kim and Jinwook Burm

소속:Sogang University

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CDC132	An Arbitrary Waveform 16 Channel Neural Stimulator with Adaptive Supply Regulator in 0.35 μm HV CMOS for Visual Prosthesis
CDC133	저자: Jindeok Seo, Kyomuk Lim, Sangmin Lee, Jaehyun Ahn, Seokjune Hong, Hyungjung Yoo, Sukwon Jung, Sunkil Park, Dong-il"Dan"Cho, and Hyoungho Ko 소속:Seoul National University Multi-Channel Stimulator IC using a Channel Sharing Method for Retinal Prostheses
CDC134	저자: Jae-Hyun Ahn, Sang-Min Lee, Seok-June Hong, Hyung-Jung Yoo, Suk-Won Jung, Sun-Kil Park, Hyoung-Ho Ko, anse Dong-il"Dan"Cho 소속:Seoul National University A 2.0GHz Sub-Harmonically Injection-Locked Ring PLL with Self-Coordinated Injection Timing
CDC135	저자: Kyoung-Ho Kim, Chi-Hun Song, and Kee-Won Kwon 소속:Sungkyunkwan University An Improved Supply Regulator for Ring Oscillator in Split-Tuned Phase-Locked Loops
CDC136	저자: Chi-Hun Song, Jong-Moon Choi, Kyoung-Ho Kim, and Kee-Won Kwon 소속:Sungkyunkwan University 초광대역 임펄스 라디오를 위한 CMOS 펄스발생기
CDC137	저자: 김원종, 권익진 소속:Ajou University A 6-bit 500MS/s CMOS A/D Converter with a Digital Input Range Detection Circuit
CDC138	저자: Dai Shi, Gi-Yoon Lee, Sang Min Lee, and Kwang Sub Yoon 소속:Inha University 뉴런 신호 자극을 위한 8비트 전류 구동형 DAC
CDC139	저자: 박지현, D. Shi, 윤광섭 소속:Inha University Design of High-Linear CMOS Circuit using a Constant Transconductance Method for Gamma-Ray Detection System
CDC140	저자: In-II Jung, Ju Hahn Lee, Chun Sik Lee and Young-Wan Choi 소속:Chung-Ang University Low Power 20-GHz Current-Mode Frequency Divider in 0.18-µm CMOS Phase- Locked Loop
	저자: Jungwoong Park and Namsoo Kim ,Hyeim Jeong, Kyeongrok Lee, and Hoyong Choi 소속:Chungbuk National University

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CDC141	A Single-Chip Time-Interleaved 32-Channel Analog Beamformer for Ultrasound Medical Imaging
	저자: Ji-Yong Um, Jae-Hwan Kim, Eun-Woo Song, Yoon-Jee Kim, Jae-Yoon Sim, Hong- June Park
CDC142	소속:Pohang University of Science and Technology 전치 증폭기 공유 기법을 이용한 8-bit 10-MSample/s Folding & Interpolation ADC
CDC143	저자: 안철민, 김영식 소속:Handong Global University 동시 양방향 통신이 가능한 2-Gbps 인덕터 결한 링크
	저자: 전민기*, 유창식**
CDC144	소속:Hanyang University A Simultaneous Multithreading Heterogeneous Object Recognition Processor with Machine Learning Based Dynamic Resource Management
	저자: JinWook Oh, Gyeonghoon Kim, Junyoung Park, Injoon Hong, Seungjin Lee, Joo- Young Kim, and Hoi-Jun Yoo 소속·KAIST
CDC145	내방사선용 Shift Register의 제작 및 양성자를 이용한 SEU 측정 평가
	저자: 강근훈, 노영탁, 이희철
CDC146	소속:KAIST 우주용 ADC의 누적방사선량 영향 분석
	저자:김태효,이희철
CDC147	소쪽:KAIST Emulated Multi-Path PID Compensator for Buck Converters with Large Step- Down Ratio
	저자: Se-Won Wang, Young-Jin Woo, Gyu-Ha Cho, Gyu-Hyeong Cho
CDC148	소쪽:KAIST An 8-bit Compact Hybrid DAC for Current-Mode Driving AMOLED Displays
	저자: Jin-woo Kim,Jin-Chul Lee, Hyun-Sik Kim, Jun-Hyeok Yang, Sang-Hui Park and Gyu-Hyeong Cho 소솔·KAIST
CDC149	A 0.791mm2 Fully On-Chip Controller with Self-Error-Correction for Boost DC-DC Converter Based on Zero-Order Control
	저자: Tae-Hwang Kong, Sung-Wan Hong, Sungwoo Lee, Jong-Pil Im, Gyu-Hyeong Cho 소속:KAIST