PROGRAM

The 6th International Conference on Integrated Circuits, Design, and Verification (ICDV 2015)

Venue: The University of Science - Vietnam National University Ho Chi Minh city; 227 Nguyen Van Cu St., Ward 4, District 5, Ho Chi Minh City, Vietnam

Monday, August 10, 2015						
START	STOP					
8:00	8:30	REGISTRATION				

MO1: ICDV-VJMW Joint Plenary Session: Opening and Keynote Talks
Room: Vung Tau (Conference Hall I)
Co-chair: Xuan-Tu Tran, VNU University of Engineering and Technology, Vietnam
Co-chair: Cong-Kha Pham, University of Electro-Communications, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
8:30	8:35	-	-	Ngoc Binh Nguyen	Vietnam National University, Hanoi	Welcome Address by IEICE Vietnam Section
8:35	8:40	-	-	Nguyen Van Hieu	HCM University of Science, Vietnam	Welcome Address by the hosting university
8:40	8:45	-	-	Minoru Fujishima	Hiroshima Univ., Japan	ICDV Opening Speech
8:45	8:50	-	-	Kenji Itoh	Kanazawa Inst. Tech., Japan	VJMW Opening Speeches
8:50	9:00	Photo Session				
9:00	9:30	#47	Keynote	Huynh Cuong	HCM University of Technology, Vietnam	Design of A Short-Range X-Band FMCW Radar
9:30	10:00	#26	Keynote	Kazuya Masu	Tokyo Institute of Technology, Japan	How to challenge in IoT-IoE era for LSI engineers
10:00	10:20			Break & Poster Session & Booth		

MO2: ICDV Session I
Room: Vung Tau
Co-chair: Trong-Tu Bui, Ho Chi Minh city University of Science, Vietnam
Co-chair: Kunio Uchiyama, Hitachi, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
10:20	10:50	#18	Invited	Shiro Kamohara	Renesas Electronics Corporation Japan	Ultralow-Voltage Design and Technology of Silicon-on-Thin-Buried-Oxide (SOTB) CMOS in IoT Era
10:50	11:10	#31	Oral	Xuan-Thuan Nguyen, Hong-Thu Nguyen, Trong-Thuc Hoang, Katsumi Inoue, Osamu Shimojo, Toshio Murayama, Kenji Tominaga, Cong-Kha Pham	The University of Electro-Communications (UEC), The University of Science (HCMUS), Advanced Original Technologies Co., Ltd (AOT), Nippon Computer Dynamics Co. Ltd (NCD)	DataBase Processor (DBP) - A New Search Engine for the Big Data Era
11:10	11:40	#24	Invited	Hitoshi Sugihara, Sao Noguchi, Kazunobu Morimoto, Pham Tuong Hai and Ichiro Naka	Renesas Electronics Corporation Japan, Renesas Design Vietnam	Renesas Design Vietnam – A Successful Model in Building-Up the Semiconductor Industry at Vietnam
11:40	12:00	#40	Oral	Toan Nguyen Ngoc, Hung Cao Van, Quyet Hoang Van, My Nguyen Ngoc Phi, Tetsuya Shibayama, Seiji Mochizuki, Kenichi Iwata and Thang Minh Le	Renesas Design Vietnam & Renesas Electronics Corporation Japan	A 0.51ms Low-latency & Variant Bitrate H.264 Video Decoder for Surround View Monitoring and Car Infotainment
12:00	13:30			LUNCH		

MO3: ICDV Session II
Room: Vung Tau
Co-chair: Xuan-Tu Tran, VNU University of Engineering and Technology, Vietnam
Co-chair: Kiichi Niitsu, Nagoya University, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
13:30	14:00	#14	Invited	Toshiro Hiramoto	The University of Tokyo	Present Status of Characteristics Variability in Advanced MOSFETs
14:00	14:30	#23	Invited	Hanpei Koike, Masakazu Hioki, Yasuhiro Ogasahara, Hayato Ishigaki, Toshiyuki Tsutsumi, Tadashi Nakagawa, Toshihiro Sekigawa	National Institute of AIST, Meiji University	Flex Power FPGA and AISTino
14:30	15:00	#27	Invited	Nobuhiko Nakano	KEIO University	A Design of Multi Channel Neural Recording Low-Noise Low-Power Amplifier
15:00	15:30	#15	Invited	Atsushi Muramatsu, Hong Gao, Hiroyuki Nakamoto	Fujitsu Laboratories Limited	Thin and Flexible IoT-supporting Beacon Requiring No Battery Replacements
15:30	15:50			Break & Poster Session & Booth		

MO4: ICDV Session III
Room: Vung Tau
Co-chair: Duc-Hung Le, HCM University of Science, Vietnam
Co-chair: Hirofumi Shinohara, Waseda University, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
15:50	16:10	#3	Oral	Yoshimasa Minami, Atsushi Watanabe, Daichi Orihara and Nobuhiko Nakano	Keio University	Bootstrap Charge Pump DC-DC Boost Converter using Multi Capacitors for Operating in Subthreshold Region
16:10	16:30	#45	Oral	Huong Nguyen, Giang Dang, Minh-Trien Pham	VNU University of Engineering and Technology	Applying Improved Discrete PSO onto Mesh-based Network-on-Chip Application Mapping
16:30	16:50	#7	Oral	Yosuke Kuramoto, Jiro Ida	Kanazawa Institute of Tehcnology	Evaluation of 0.2um SOI Based Super Steep Subthreshold Slope Device for Sensor and Ultra Low Power Applications
16:50	17:20	#20	Invited	Makoto Nagata, Kohki Taniguchi and Noriyuki Miura	Kobe University	Adaptive Suppression of Power Delivery Network Resonance with Chip-Package-Board Interaction
17:20	17:50	#36	Invited	Kiichi Niitsu and Kazuo Nakazato	Nagoya University	CMOS Electrochemical Biosensing for Big-Data-Based Healthcare
18:00	20:00			Banquet		

Tuesday, 11 August 2015

TU01: ICDV Session IV
Room: Vung Tau
Co-chair: Trong-Tu Bui, HCM University of Science, Vietnam
Co-chair: Akira Tsuchiya, Kyoto University, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
8:30	9:00	#28	Invited	Yuko Hara-Azumi, Tanvir Ahmed, Takuya Azumi, Nikil D. Dutt	Tokyo Institute of Technology	Instruction-Set Extension of Embedded Microprocessor for Timing Speculation
9:00	9:20	#8	Oral	Yuuta Kunori, Jiro Ida	Kanazawa Institute of Tehcnology	Evaluation of Parasitic Capacitance in Gate Controlled Diode and Rectifier Circuit for High Efficiency RF Energy Harvesting
9:20	9:40	#22	Oral	Tuan Anh Vu, Duong Bach Gia, Tor Sverre Lande	VNU University of Engineering and Technology	Non-Coherent IR-UWB Receiver Front-End for High-Precision Ranging and Localization
9:40	10:00	#37	Oral	Phuoc Tran	VNU-HCM International University	A Compact Model for Linear, Nonlinear and Saturation Current in Graphene Field-Effect Transistors for RF Applications
10:00	10:20			Break & Poster Session & Booth		

TU02: ICDV Session V
Room: Vung Tau
Co-chair: Xuan-Tu Tran, VNU University of Engineering and Technology, Vietnam
Co-chair: Takeshi Shima, Kanagawa University, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
10:20	10:50	#29	Invited	Ken Nakamura and Hiroe Iwasaki	NTT Media Intelligence Laboratories	Architecture of 8K Scalable HEVC encoder LSI
10:50	11:10	#35	Oral	Tuan Nguyen-Viet, Duc-Hung Le	HCM University of Science	Selectable Register- and RAM-based TCAM Implementation using FPGAs
11:10	11:40	#25	Invited	Hidetoshi Onodera	Kyoto University	Dependable VLSI Platform with Variability and Soft-Error Resilience
11:40	12:00	#41	Oral	Tieu-Khanh Luong, Van-Phuc Hoang, Cong-Kha Pham	Le Quy Don Technical University, The University of Electro-Communications	An FPGA Implementation of OFDM System for IEEE 802.22 WRAN
12:00	13:30			LUNCH		

TU03: ICDV Session VI
Room: Vung Tau
Co-chair: Vu Tuan Anh, VNU University of Engineering and Technology, Vietnam
Co-chair: Jiro Ida, Kanazawa University, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
13:30	14:00	#19	Invited	Takeshi Shima, Nicodimus Retdian and Kento Takeuchi	Kanagawa University	New Design Methodologies for TDC and Programmable SC DC-DC Converter
14:00	14:20	#46	Oral	Trung-Thanh Le	Vietnam National University, Hanoi	Fast and Slow Light Enhancement Based on Cascaded Microring Resonators Using the Sagnac Reflector on Silicon Waveguides
14:20	14:50	#30	Invited	Kenshi Saho	Ritsumeikan University	Ultra Wideband Doppler Radar Signal/Image Processing for Human Motion Recognition
14:50	15:10	#34	Oral	Toan Dao, Heisuke Sakai	Japan Advanced Institute of Science and Technology	Formation of Electrode Layer using Commercial Inkjet Printer for Bendable and Large-Area Electronics
15:10	15:30			Break & Poster Session & Booth		

TU04: ICDV Session VII
Room: Vung Tau
Co-chair: Duc-Hung Le, HCM University of Science, Vietnam
Co-chair: Cong-Kha Pham, University of Electro-Communications, Japan

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
15:30	16:00	#43	Oral	Van-Khan Phan, Thanh-Huyen Do, Van-Phuc Hoang and Van-Lan Dao	Le Quy Don Technical University	An Energy-Efficient Wireless Sensor Network using ZigBee Standard
16:00	16:20	#44	Oral	Ary Morales, William Polanco	FreeScale	Verification Bridge to Test High Speed Debug Interface for Automotive System in Package

TU5: Closing
Room: Vung Tau

START	STOP	Paper #	Type	Author(s)	Affiliation(s)	Title
16:20	16:35		Closing	- Prof. Ngoc Binh Nguyen - Prof. Minoru Fujishima	IEICE Vietnam Section, VNU Hiroshima University	- Conference summary - Closing speech & Next Conference announcement

POSTER SESSIONS	10/08 10:00-10:20 10/08 15:30-15:50 - 11/08 10:00-10:20	#42	Poster	Toan Dao	Japan Advanced Institute of Science and Technology	Stretched-Exponential Distribution for Investigation of Stability of Tuned Threshold Voltage Organic CMOS
		#10	Poster	Minh-Huan Vo, Ai-Quoc Dao	HCM University of Technical and Education	Dual Recycled Charge for Saving Leakage Power in Carry Look Ahead Adder for Low Power Applications
		#33	Poster	Toan Dao	Japan Advanced Institute of Science and Technology	Controllable CMOS Circuits with Floating-Gate Like-based OTFT
		#21	Poster	Thai Nguyen	ICDREC	The Implementation of Low Power, Cost Saving Decimation Filter in ICDREC Sigma-Delta 24-bit ADC
		#32	Poster	Dinh-Tuan Pham, Dinh-Chinh Nguyen, Van-Vinh Pham, Ba-Cuong Doan, Duc-Tan Tran	VNU University of Engineering and Technology	Development of a Wireless Sensor Network for Indoor Air Quality Monitoring
		#5	Poster	Thi Nguyen Duy Manh, Liem Giap Pham Hoang	HCM University of Science, Renesas Design Vietnam	Clock Tree Synthesis with Advanced Optimization Techniques
		#39	Poster	Nhan Nguyen Huu	University of Information Technology	A Method For Vehicle License Plate Detection on FPGA Platform