KJMW2007 Session Schedule

Nov. 15 (Thursday)			Nov. 16 (Friday)	
	Room 1- 2F	Room 2-3F		Room 1-2F
			9:30-10:45	Session 7 (5) **- Signal/Power Transmission and Processing -**
			10:45-11:00	Coffee Break
			11:00-12:30	Session 8 (6) **- Signal Generation and Noise Reduction Techniques -**
13:00-13:10	Opening		12:30-14:00	Lunch
13:10-14:40	Session 1 (6) **- Amplifier Techniques -**	Session 2 (6) **- Field Theory and Simulations -**	14:00-15:30	Session 9 (6) **- Metamaterials and their Applications -**
14:40-14:55	Coffee Break	Coffee Break	15:30-15:45	Coffee Break
14:55-16:10	Session 3 (5) **- Frequency Conversion -**	Session 4 (5) **- Advanced Antennas -**	15:45-17:00	Session 10 (5) **- Millimeter-Wave and Terahertz-Wave Technologies -**
16:10-16:25	Coffee Break	Coffee Break	17:00-17:10	Closing
16:25-17:25	Session 5 (4) **- Propagation and Absorbers -**	Session 6 (4) **- Advanced Filters -**	17:30-18:30	KJMW Committee Mtg.
18:30-21:00	Social Meeting			

Room: Room 1-2F
Time: 13:10-14:40 on Thursday, November 15

Session 1	Amplifiers		
Chairs	Nam-Young Kim (Kwangwoon Univ.) and Hiroshi Okazaki (NTT DoCoMo)		
Paper ID	Authors	Title	Affiliation
TH01-1	Toshiro Kodera, Nobuhiko Ando and Makoto Taromaru	A basic study on EER transmitter with burst-width envelope modulation based on triangle-wave PWM	ATR
TH01-2	Noriyuki Mukai* , Hiroyuki Arai* and Kazuhisa Yamauchi†	A 300-400MHz band high efficiency power amplifier with intrinsic harmonics termination for SDR	Yokohama National University, Mitsubishi Electric Corp.
TH01-3	Chin-Leong Lim	0.5 W High Linearity Power Amplifier for Broadband Wireless (3.3 ~ 3.9 GHz)	Avago Technologies
TH01-4	Shigeo Kawasaki	Compact, Planar and High-Power Spatial Power Combiner by Active Integrated Antenna Technique at 5.8 GHz	Kyoto Univ.
TH01-5	Yoichi Kawano, Toshihide Suzuki, Yasuhiro Nakasha, Tatsuya Hirose and	A 25 GHz, 40 mW Fully-Integrated Power Amplifier in Standard 90 nm Si-MOS Technology	Fujitsu Ltd.
TH01-6	Chi-Wan Park and Jichai Jeong	Consideration of Linearity in Cascode Low Noise Amplifiers using Double Derivative Superposition Method with a Tuned Inductor	Korea Univ.

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Session 2	Field Theory and Simulations		
Chairs	Y. K. Cho (Kyungpook National Univ.) and Mitsuo Taguchi (Nagasaki Univ.)		
Paper ID	Authors	Title	Affiliation
TH02-1	JaeJong Ryu, WuSeong Lee, YeonKwan Moon, Hanchul Kim, and HyunChul Choi	Time Domain Sheme Based on Positive Sampling Basis Associated with Coifman Scaling Function	Kyungpook National University
TH02-2	Mitsuo Taguchi1), Yasushi Hamada2) and Yuta Sanabe3)	Numerical Analysis of Electromagnetic Field Distribution in Hollow Metallic Rectangular Parallelepiped with Roof	1),3) Nagasaki Univ. 2) Maeda Motor Corp.
TH02-3	Kai Ding, Takaharu Hiraoka and Jui-Pang Hsu	Calculation of Propagation Eigenmode for Stripline with Finite Thickness based on Equivalent Network along Horizontal or Vertical Direction	Kanagawa Univ.
TH02-4	Sung-Jin Kim, Kun-Woo Kim, Kyung-Hyun Oh, and Taek-Kyung Lee	Calculation of Near-Field Radiation from Microstrip Using Green's Functions for Arbitrary Height	Korea Aerospace University
TH02-5	Yong Heui Cho	TE Scattering from Large Number of Grooves Using Green’s Functions and Floquet Modes	Mokwon University
TH02-6	Tarek Bdour, Noemen Ammar, Taoufik Aguili and Henri Baudrand	Modeling of Wave Penetration through Cylindrical Aperture Using an Iterative Method Based on Transverse Wave Concept	Sys’Com Laboratory in Engineering school of Tunis

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Session 3	Frequency Conversion		
Chairs	Kenjiro Nishikawa (NTT) and Chulhun Seo (Soongsil Univ.)		
Paper ID	Authors	Title	Affiliation
TH03-1	Fumiki Onoma, Koji Tsutsumi, Shintaro Shinjo, and Noriharu Suematsu	A 5.2 GHz Linearized SiGe Quadrature Modulator Using Current Feedback from Output Buffer	Mitsubishi Electric Corp.
TH03-2	Won-Jun Choi, Jae-Wook Ko, and Nam-Young Kim	Highly Linear 1.765 GHz Downconversion Double Balanced Mixer using InGaP/ HBT Technology for AF-ICS Application	Kwangwoon University
TH03-3	Won-Jun Choi, Young-Ho Lee, Nam-Young Kim	Broadband MMIC Mixer with High Output Power using InGaP/GaAs HBT Technology	Kwangwoon University
TH03-4	Masaki Ishii and Kiyomichi Araki	Analysis of Nonlinear Distortion in Direct Sampling Mixers	Tokyo Institute of Technology
TH03-5	Takafumi Nasu and Kiyomichi Araki	Noise Analysis of Switched Capacitor Networks in Direct Sampling Mixers	Tokyo Institute of Technology

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Session 4	Advanced Antennas		
Chairs	Takashi Ohira (Toyohashi Univ. of Tech.) and Dong Chul Park (Chungnam National Univ.)		
Paper ID	Authors	Title	Affiliation
TH04-1	Jaechun Lee and Sangwook Nam	Q Evaluation of Small Insulated Antennas in a Lossy Medium and Practical Radiation Efficiency Estimation	Seoul National University
TH04-2	E. J. Kim, H. H. Jung, Y. S. Lee and Y. K. Cho*	Compact Meander Slot Antenna with Open-ends	Kumoh Natl. Institute of Tech., *Kyungpook Natl. University
TH04-3	Hyo-Won Song, Hee-Soon An, Jung-Nam Lee, Jong-Kweon Park, and Jin-Suk Kim	Design of the Tree-Shaped UWB Antenna Using Fractal Concept	Hanbat National University
TH04-4	Kun Woo Kim, Ki-Hyoung Bae, Kyung-Hyun Oh, and Hyun-Sik	The Realization of Wideband Antenna Using Fractal of Crosswise shape	Samsung Thales Co.
TH04-5	Senggil Jeon, Kwangwoo Ryu, Youngki Lee and Jaehoon Choi	Internal Broadband Folded Monopole Antenna for DTV Laptop Application	Hanyang University

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Session 5	Propagation and Absorbers		
Chairs	Taek-Kyung Lee (Korea Aerospace Univ.) and Hitoshi Shimasaki (Kyoto Institute of Tech.)		
Paper ID	Authors	Title	Affiliation
TH05-1	Young man Song, Dong Il Kim, Chang-Mook Choi, Dae Hee Lee	Development of the EM Wave Absorber for ETC System Using MnZn-ferrite and Carbon	Korea Maritime University
TH05-2	Myoung-Won Jung, Il-Tak Han, Moon-Young Choi, Joo-Hwan Lee*, Jeong-Ki Pack	Study on the Empirical Prediction of 1-min Rain Rate Distribution from Various Integration Time Data	Chungnam National University, *ETRI
TH05-3	G. Hendrantoro 1, Muriani 2, D. Cahyon 1 A.Mauludiyanto 1, A. Matsushima 3	Measurement of Time-Varying Rainfall Rate in Surabaya and Estimation of Attenuation Statistics by Synthetic Storm Technique	1.Institut Teknologi Sepuluh Nopember, 2.Universitas Sains dan Teknologi Jayapura, 3.Kumamoto University
TH05-4	Duttagupta S.	Prediction of Line-of-Sight Microwave Signal Fading through Meteorological Parameters	Institute of Radio Physics & Electronics

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Session 6	Advanced Filters		
Chairs	Hai-Young Lee (Ajou Univ.) and Moriyasu Miyazaki (Mitsubishi Electric Corp.)		
Paper ID	Authors	Title	Affiliation
TH06-1	Sung Soo Choi and Dong Chul Park	Design and Fabrication of a New Dual-Mode Microstrip Ring Resonator Bandpass Filter Using Micromachining Technology	Chungnam National University
TH06-2	Masaya Tamura1, Toshio Ishizaki1, Michael Hoeft2, and Hidekazu Tamai1	Novel Vertical Split Ring Resonator Fabricated in LTCC	1 : Panasonic Electronic Devices Co,an 2 : Panasonic Electronic Devices Europe GmbH
TH06-3	Yuta Takagi, Kei Satoh, Kunihiro Kawai, Daisuke Koizumi, and Shoichi Narahashi	Compact 2.1/3.6 GHz Planar Bandpass Filter	NTT DoCoMo Inc.
TH06-4	Han-Ul Moon, Young-Ho Cho, Seung-Un Choi, and Sang-Won Yun	Cross-coupled Combline Bandpass Filter using Active Capacitance Circuit	Sogang University

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Session 7	Signal/Power Transmission and Processing		
Chairs	Shigeo Kawasaki (Kyoto Univ.) and Jeong-Ki Pack (Chungnam National Univ.)		
Paper ID	Authors	Title	Affiliation
FR07-1	Youn-Myoung Gimm*#, Jae-Sung Yoo*, Ho-Sang Yoo#, Mija Kim#	Receiving Coil Analysis for Wireless Power Transmission with Inductive Coupling	* Dankook University # EMF Safety, Seoul, Korea
FR07-2	Sung- ho Joo, Don-Yeop Kim, Sang-Hoon Lee, Se-Jang Oh, Ki-Sang Kang, and Hai-Young Lee	Resistively-Terminated Via-Stubs for Signal Integrity Improvement in the Semiconductor Test Board	Ajou University
FR07-3	Joo-Il Hong, Sun-Mook Hwang, Chang-Su Huh, Uk-Youl Huh, Jin-Soo Choi	Malfunction and Destruction Analysis of CMOS IC by Intentional High Power Microwave	Inha University
FR07-4	In-Sik Choi and Hyo-Tae Kim*	Feature Extraction of Radar Targets using Evolutionary Adaptive Wavelet Transform	Hannam University, *Pohang University
FR07-5	Anindya Kundu, Mainak Mukhopadhyay, Binay Kumar Sarkar and Ajay Chakrabarty	Implementation Issues of Adaptive Array Processing for Space borne GPS Receiver	Indian Institute of Technology

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Session 8	Signal Generation and Noise Reduction Techniques		
Chairs	Jichai Jeong (Korea Univ.) and Tsuneo Tokumitsu (Eudyna)		
Paper ID	Authors	Title	Affiliation
FR08-1	Takayuki Tanaka, Mitsuhiro Ueyama, and Masayoshi Aikawa	A Push-Push Oscillator Using Coupled Microstrip Lines in Common Feedback Loop	Saga University
FR08-2	Cheng Qian, Bhanu Shrestha, Ho-San Na, and Nam-Young Kim	A Comparative Analysis of two Differential Colpitts VCOs in InGaP/GaAs HBT Technology	Kwangwoon University
FR08-3	Jaewon Choi, and Chulhun Seo,	Broadband VCO Using Electronically Controlled Metamaterial Transmission Line Based on Varactor-Loaded Split-Ring Resonator	Soongsil University
FR08-4	Takana Kaho#, Motoharu Sasaki†, Yo Yamaguchi#, Kenjiro Nisikawa#, and Kazuhiro Uehara#	Miniaturized Multilayer Inductors on GaAs Three-dimensional MMIC	#NTT Corporation, †Kyushu University
FR08-5	Hui Gao1, Zhi-Qiang Lu2, Feng-Chang Lai3	A Fully Integrated CMOS Integer-N Frequency Synthesizer for GPS Receiver	1CEC Huada Electronic Design Co., Ltd. 2Cadence Beijing R&D Center, 3Harbin Institute of Technology
FR08-6	Yuta Tsubouchi, Rennichi Moritomo, Masahiro Akiyama and Saeko Oshiba	A Peak-Voltage-Control Circuits and Its Application to Noise Reduction from High Speed RZ Signals	Kyoto Institute of Technology

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Session 9	Metamaterials and their Applications		
Chairs	Sangwook Nam (Seoul National Univ.) and Atsushi Sanada (Yamaguchi Univ.)		
Paper ID	Authors	Title	Affiliation
FR09-1	Young Bae Park, Han Nah Joh, Se Ho Kim and Young Yun	A miniaturized Band Rejection Filter with New Compact Photonic Band-Gap (PBG) Cell Employing Comb-type Microstrip Line	Korea Maritime University
FR09-2	Hiromitsu Uchida, Naofumi Yoneda, Yoshihiko Konishi, and Shigeru Makino	An Elliptic-Function Bandpass Filter Employing Left-Handed Operations of an Inter-Digital Coupled Line	Mitsubishi Electric Corporation
FR09-3	Sungtek Kahng and Jeong-ho Ju	Left-Handedness based Bandpass Filter Design for RFID UHF-Band applications	University of Incheon
FR09-4	Hiroshi Kubo, Hidetaka Kuwahara, and Atsushi Sanada	A Left-Handed Transmission Line Using a Magnetic Symmetrical Plane	Yamaguchi Univ.
FR09-5	Young Yun, Han-Nah Joh, Young-Bae Park, Se-Ho Kim, Hae-Cheon Kim, Woo-Jin Chang, Hong-Gu Ji, and Ho-Kyun Ahn	Basic RF Characteristics of the Microstrip Line Employing Periodically Perforated Ground Metal on MMIC	Korea Maritime University
FR09-6	Ikuo Awai, Seiji Kida and Osamu Mizue	Very Thin and Flat Lens Antenna Made of Artificial Dielectrics	Ryukoku University

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Session 10	Millimeter-Wave and Terahertz-Wave Technologies		
Chairs	Jongsuck Bae (Nagoya Institute of Tech.) and Sang-Won Yun (Sogang Univ.)		
Paper ID	Authors	Title	Affiliation
FR10-1	Thomas Derham, Hirokazu Kamoda, Toru Iwasaki and Takao Kuki	Active MMW Imaging System using the Frequency-Encoding Technique	NHK (Japan Broadcasting Corporation) Science and Technical Research Laboratories
FR10-2	Makoto Okiyokota and Futoshi Kuroki	L-Shaped Vertical Strip Line as a Primary Radiator for 2-Dimensional Parabolic Reflector at 60 GHz	Kure National College of Technology
FR10-3	Ryo-ji Tamaru and Futoshi Kuroki	High Permittivity Tape Transmission Line Embedded in Low Dielectric Support at Millimeter-Wave Frequencies	Kure National College of Technology
FR10-4	Jongsuck Bae, Yuan Jun Xian, and Sho Yamada	Transmission Properties of an Optically Excited Finline Used for a Doppler Frequency Converter	Nagoya Institute of Technology
FR10-5	Irina Khmyrova	Plasma Effects in HEMT-like Structures: Equivalent Circuit Model and Simulation	University of Aizu