

Special S-Tu1 - Biomedical Devices (@ Biyang Room)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 17, 2011 (Tue) (13:00 ~ 17:10)	Prof. Wang (NiTech) Dr. Soon Ik Jeon (ETRI)	S-Tu1-1	26	Toshihiro Kumagai	Chiba University	A study of wireless power transmission for capsular endoscope in consideration with the effect of human body
		S-Tu1-2	46	Dr. Soon Ik Jeon	ETRI	Media Channel Evaluation in UHF EM Tomography System for Breast Cancer Detection
		S-Tu1-3	230	Porf. Ken Sasaki	University of Tokyo	Electrode Design for Watch-type Intra-body Communication Device
		S-Tu1-4	234	Mr. Jaehoon Lee	KAIST	X-band Radar System for Detecting Heart and Respiration Rates
		S-Tu1-5	112	Oliver Lauer	Swiss Federal Institute of Technology Zurich	Investigations of an IR-UWB Based Hardware Demonstrator for Wireless Patient Monitoring
		S-Tu1-6	241	Dr. Fukuro Koshiji	Tokyo University of Science	Electromagnetic characteristics of an aperture antenna in metal housing wall of handheld equipments
		S-Tu1-7	168	Dr. Taehong Kim	Chungnam National University	Consideration on the Reconstruction Algorithms for Breast Cancer Detection
		S-Tu1-8	176	Junghee Choi	Seoul National University	A Low-Power CMOS Chirp-Spread-Spectrum OOK Transmitter for In-Body Communication
		S-Tu1-9	204	Jingjing Shi	Nagoya Institute of Technology	A Feasibility Study of In-body to On-body Transmission with IR-UWB Transceiver
		S-Tu1-10	208	Ji Chen	University of Houston	Evaluating of surface heating for medical implants associated with MRI RF exposure
		S-Tu1-11	221	Dr. Raul Chavez-	Oslo University Hospital	Experimental Assessment of Interference in the 2.4 GHz ISM Band from Wireless Medical Sensors on the Imaging System of an Advanced Operating Room

Special S-Tu2 - EMC Techniques in GHz Range (@ Chuja Room)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 17, 2011 (Tue) (13:00 ~ 15:00)	Dr. Takashi Harada (NEC) Dr. Eiji Hankui (NEC)	S-Tu2-1	98	Dr. Masahiro Tsuchiya	National Institute of Information and Communications	Real-Time Visualization of Propagations of Electric Waves in GHz Range
		S-Tu2-2	249	Jonghyun Cho	KAIST	Noise Coupling and Shielding in Through-Silicon Via (TSV)-based 3D IC
		S-Tu2-3	61	Myunghoi Kim	KAIST	Vertically Alternating Impedance Electromagnetic Bandgap (VAI-EBG) Structure for Noise Mitigation in Multi-layer PCBs
		S-Tu2-4	222	Prof. Todd Hubing	Clemson University	Estimating Radiated Emissions from Heatsinks on Printed Circuit Boards above 1 GHz
		S-Tu2-5	138	Dr. Yoshiki Kayano	Akita University	Prediction of EM Radiation at GHz Frequency from a PCB Driven by a Connected Feed Cable
		S-Tu2-6	194	Dr. Koichi Kondo	NEC TOKIN Corporation	GHz noise suppression of printed wiring boards using a directly-plated ferrite thin film

Special S-Tu3 - EMC design of PCB related to digital wireless communication (@ Chuja Room)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 17, 2011 (Tue) (15:30 ~ 17:30)	Prof. Masahiro Yamaguchi (Tohoku Univ.) Dr. Takashi Harada (NEC)	S-Tu3-1	31	Dr. Yasushi	National Institute of Information and Communications	APD Measurement of Electromagnetic Noise as an Approach to Effective Detection of EMI Issues in Wireless Systems
		S-Tu3-2	223	Prof. Atsuhiko	Tokyo Institute of Technology	Wide-angle EM-wave absorber design using loop array metamaterial
		S-Tu3-3	151	Dr. Mizuki Iwanami	NEC Corporation	Evaluation of Electromagnetic Noise Coupling Channel in Wireless LAN Mounted Printed Circuit Boards
		S-Tu3-4	154	Hiroshi Toyao	NEC Corporation	Experimental Demonstrations of EMI Suppression Using Open Stub Electromagnetic Bandgap Structures
		S-Tu3-5	175	Dr. Akira Shojiguchi	NEC corporation	Detecting electromagnetic coupling paths in Printed Circuit Boards using time series analysis
		S-Tu3-6	197	Naoki Kobayashi	NEC Corporation	Miniature EBG designs using SPICE models of multiple planes

Special S-We1 - IEMI / HEMP (@ Biyang Room)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 18, 2011 (Wed) (09:100 ~ 11:20)	Dr. William A. Radasky (Metatech) Prof. Leonid Siniy (All Russia Research Institute of Automatic)	S-We1-1	227	Dr. W.A.Radasky	Metatech Corporation	Approach for the Threat Assessment of E1 HEMP and Wideband IEMI on Commercial Electronics
		S-We1-2	82	Dr. Edward Savage	Metatech Corporation	Options for Mitigation of IEMI Induced Pulses on Commerical Building Cabling
		S-We1-3	170	Evgeni Genender	Leibniz University Hannover	IEMI Detection Method Based on the Observation of the Network Traffic
		S-We1-4	142	Prof. Edl Schamiloglu	University of New Mexico	Stochastic Topological Approach Using Wave-chaos for Electromagnetic Effects (STUWEE)
		S-We1-5	254	Dr. Lihua Shi	Nanjing Engineering Institute	Modeling of Surface Transfer Impedance in Time Domain
		S-We1-6	225	Mr. Ruslan Kiricheck	Information processing technology and telecommunication	Improvement of Russian Regulatory System on Protection against Electromagnetic Attacks

Special S-We2 - EMC problem with medical electronic equipment caused by wireless communications and radiated interferences (@ Chuja Room)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 18, 2011 (Wed) (09:100 ~ 10:00)	Prof. Eisuke Hanada (Shimane Univ. Hospital)	S-We2-1	140	Dr. Eisuke Hanada	Shimane University Hospoital	A safe and reliable method for installing wireless LAN into a hospital
		S-We2-2	149	Dr. Takato Kudou	Oita University	FDTD simulations for constructing appropriate medical/healthcare electromagnetic environment
		S-We2-3	153	Satoshi Ishihara	NTT DOCOMO	Method for Evaluating EMI of Implanted Medical Devices from Body Area Network Devices

Special S-We3 - Recent topics concerning EMC technology of telecommunication system (@ Chuja Room)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 18, 2011 (Wed) (10:40 ~ 12:00)	Prof. Nobuo Kuwabara (KiTech) Dr. Kazuo Murakawa (NTT) Dr. Yoshiharu Akiyama	S-We3-1	233	Dr. Kasuo Murakawa	NTT EAST	Lightning Protections for Telecommunication equipment of FTTH services in Customer Premises
		S-We3-2	236	Mr. Toshihisa Masuda	NTT	Lightning Surge Current Inducing on In-house Power and Telecommunication Networks
		S-We3-3	239	Prof. Nobuo	Kyushu Institute of Technology	Investigating Relation between EFTB Test and RF Conductive Immunity Test using BER
		S-We3-4	237	Mr. Norihito Hirasawa	NTT	Comparison of Common Mode Disturbances Measured by using Different Types of Impedance Stabilization Networks

Special S-We4 - Computational Dosimetry in RF (@ Ballroom 4)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 18, 2011 (Wed) (14:00 ~ 15:40)	Soichi Watanabe (NICT) Ae-Kyung Lee (ETRI)	S-We4-1	150	Dr. Soichi Watanabe	National Institute of Information and Communications	Variability in Whole-Body Averaged SAR for Young Children Exposed to Vertically and Horizontally Polarized Electromagnetic Plane Waves from 30 MHz to 3 GHz
		S-We4-2	92	Dr. Tongning Wu	CATR/TMC	Chinese Adult Anatomical Models for EMF Exposure Assessment and Discussion on Population Representation
		S-We4-3	188	Dr. Ae-Kyoung Lee	ETRI	Korean Voxel Models and FDTD Calculations of Whole-Body Averaged SAR in Free Space
		S-We4-4	167	Mr. Joonhyeok Oh	Chungnam National University	SAR calculations for mice in a cage in the whole body exposure environment
		S-We4-5	196	Yoshifumi Kawamura	Hokkaido University	Whole-Body Averaged SAR Estimation of Japanese Humans Exposed to 2 GHz H-Polarized Plane-Wave Using External Electric-Field Scanning

Special S-We5 - ESD and Transient (@ Ballroom 3)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 18, 2011 (Wed) (16:10 ~ 17:50)	Prof. Kawamata (HiTech)	S-We5-1	34	Dr. Masso Masugi	Ritsumeikan University	Two-dimensional clustering approach to an analysis of electrostatic discharge in terms of EMI assessment
		S-We5-2	64	Prof. Takayoshi Ohtsu	Suzuka National College of Technology	Characteristic of Radiated Electromagnetic wave by ON/OFF discharge on Sub-micron gap.
		S-We5-3	101	Dr. Ikuko Mori	Suzuka National College of Technology	Wideband Measurement of Discharge Currents below 2 kV for Air Discharges of an ESD-gun
		S-We5-4	130	Prof. Ken Kawamata	Hachinohe Institute of Technology	Amplitude Properties of Radiated Electromagnetic Field Intensity Caused by Low Voltage ESD in Spherical Electrode
		S-We5-5	139	Prof. Hiroshi Inoue	Akita University	EMC Problem Caused by Arc Discharge at Slowly Separating Silver-Based Contacts

Special S-We6 - Computational Dosimetry in ELF/Intermediate Frequency (@ Ballroom 4)						
Date & Time	Orgernizer & Chair	Assignment	Paper #	Speaker	Affiliation	Title
May 18, 2011 (Wed) (16:10 ~ 17:30)	P. S. W. Leung (City Univ. of Hong Kong) A. Hirata (NiTech)	S-We6-1	207	Isao Hamamoto	University of Miyazaki	Numerical Investigation of Contact Current and Internal Body Resistances of Human at 60 Hz
		S-We6-2	232	Porf. Eungsik Kim	Hoseo University	Measurement of Induced Current in Phantom Brain Model under Uniform 60Hz Magnetic field
		S-We6-3	238	Dr. Yukihisa Suzuki	Tokyo Metropolitan University	Dosimetry of Induced Quantities within Human body due to Non-uniform Magnetic Field Exposure in Intermediate Frequency Band
		S-We6-4	229	Dr. Kwok Hung Chan	City Univ. of Hong Kong	A Study on Human Exposure to Power Frequency Radiation in High-Rise Buildings