Technical Session

Technical T-Tu1 - EMC on System (@Ballroom 2)

Session Chair	Date & Time	Assignment	Paper #	First Name	Last Name	Affiliation	Title	Nationality
Prof. Toshio Sudo (Shibaura Institute) Prof. Jae-Hyun Lee (Chungnam Nat. Univ.)	May 17, 2011 (Tue) (13:00 ~ 17:10)	T-Tu1-1	17	Marcel	Doorn	EMC Technology Manager	EMC Expert System for Architecture Design	Netherlands
		T-Tu1-2	62	Christian	Hoffmann	Technische Universitaet Muenchen	A Time-Domain System for CISPR 16-1-1 compliant Measurements above 1 GHz	Germany
		T-Tu1-3	111	Hee-do	Kang	Yonsei University	Prediction of Noise Coupling Mechanism from External Digital Interconnect to Antenna System	Korea
		T-Tu1-4	124	Yoshitaka	Toyota	Okayama University	Mode-equivalent Modelling of System Consisting of Transmission Lines with Different Imbalance Factors	Japan
		T-Tu1-5	214	gyu-yeol	kim	Sungkyunkwan University	Transmitted Signal Analysis in Multiplexing Transmission Lines	Korea
		T-Tu1-6	84	Christian	Poschalko	Robert Bosch AG	Influence of the PCB Dielectric Material on the Coupling of PCB Traces to Enclosure Cavities	Austria
		T-Tu1-7	217	Soongkeun	Lee	chungnam national university	Analysis of multilayer PCB resonance and Enclosure aperture radiation	Korea
		T-Tu1-8	56	Hongmei	Fan	Cisco Systems (China) R&D	Impact of Bend Routing on Radiated Emission from Differential Signal Pairs	China
		T-Tu1-9	85	Weishan	Soh	Nanyang Technological University	Study of Effectiveness of Edge-Mounted Capacitors on High-Speed Board Emission	Singapore
		T-Tu1-10	90	Ha Yeon	Kim	Sogang University	PCB Edge Structure for Reducing Radiated Emission	Korea
		T-Tu1-11	224	Umberto	Paoletti	Hitachi	Equivalent Circuit for Common Mode Current and Some Applications	Japan

Technical T-Tu2 - Fundamental EMC (@Ballroom 3)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Dr. Erping Li (A*STAR IHPC) Prof. Yeon-Choon Chung (Seokyung Univ.)	May 17, 2011 (Tue) (13:00 ~ 16:30)	T-Tu2-1	25	Bernd	Jaekel	Siemens AG	Current Status of Standardization related to Electromagnetic Compatibility and Functional Safety	Germany
		T-Tu2-2	183	Jin-Bong	Kim	Korea Institute of Materials Science	Design of the radar absorbing structure for wind turbine blades	Korea
		T-Tu2-3	179	sung woo	jung	Yeungnam University	Approximation Methods in Insertion Loss Analysis of Transmission Line Crossing a Rectangular Aperture in an Infinite Ground Plane	Korea
		T-Tu2-4	200	Jun Gyu	YANG	Radio Research Agency	The interference effect of radiated emissions below 30 MHz from PDP TV onto AM and SW broadcasting reception	Korea
		T-Tu2-5	152	Wen-yan	Yin	Zhejiang University	Transient Responses of 3-D PEC Composites Illuminated by an EMP	China
		T-Tu2-6	141	Patrick Y.	Du	The Hong Kong Polytechnic University	An Improved Method for Evaluating Low-frequency Shielding Performance of 3D Conductive Plate	Hong Kong
		T-Tu2-7	186	Mucahit	Sarnik	Master Student	Modified Theory of Physical Optics and Applications	Turkey
		T-Tu2-8	147	Wei	Luo	Shanghai Jiao Tong University	Investigation on Electromagnetic Responses of Wire-Surface Composite Objects Illuminated by an EMP using Hybrid TDPO-MOT Method	China

Technical T-Tu3 - EMC on Package & Semiconductor (@Ballroom 4)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Dr. Sonia Ben Dhia (INSA de Toulouse) Prof. Wansoo Nah (Sungkyunkwan Univ.)	May 17, 2011 (Tue) (13:00 ~ 17:10)	T-Tu3-1	102	Hanfeng	Wang	Missouri University of Science and Technology	The Effects of Substrate Doping Density on The Electrical Performance of Through-Silicon-Via (TSV)	United States
		T-Tu3-2	158	Jun So	Pak	KAIST	GHz EMI Generator in 3D Stacked Chip-PDN with Through Silicon Via (TSV) Connections	Korea
		T-Tu3-3	48	huang	fen	South China University of Technology	Vein Power Plane for Printed Circuit Board Based on Constructed Vein Tree	China
		T-Tu3-4	120	Bumhee	Bae	KAIST	Modeling and Analysis of Power Supply Noise Effects on Analog-to-Digital Converter with Off-chip PDN Effects	Korea
		T-Tu3-5	103	Feng-Chang	Chuang	National Chung Hsing University	Magnetoresistive Sensor Readout Circuit and Field Canceling System in Next Generation Nano-Fab	Taiwan
		T-Tu3-6	23	Muhammad	Abuelma'atti	King Fahd University of Petroleum and Minerals	Effect of Electromagnetic Interference (EMI) on the DC Shift and Harmonic Performance of DIODE-Connected NMOSFET	Saudi Arabia
		T-Tu3-7	41	Kyoungchoul	Koo	KAIST	Estimation of Vertical Noise Coupling on 900MHz Low Noise Amplifier from 200MHz On-chip Switching-mode Power Supply in 3D-IC	Korea
		T-Tu3-8	59	Ralf	Heinrich	Teseq GmbH	Investigations on the Suitability of Reverberation Chambers for Radiated EMC Testing of Integrated Circuits	Germany
		T-Tu3-9	60	Alexandre	Boyer	INSA de Toulouse	Development of an Immunity Model of a Phase-Locked Loop	France
		T-Tu3-10	83	Alexandre	Boyer	INSA de Toulouse	Bulk Current Injection modeling and validation on passive loads and an active circuit	France

Technical T-We1 - Lightning & Power System (@Ballroom 2)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Prof. Yoshino BaBa (Doshisha Univ.) Mr. Dongshik Shin (LG)	May 18, 2011 (Wed) (09:00 ~ 12:00)	T-We1-1	66	Xiaoming	Zhang	Tsinghua University	Development of a wideband transient electric field sensor	China
		T-We1-2	159	Yoshihiro	Baba	Doshisha University	A Simplified Model of Corona Discharge on an Overhead Wire for FDTD Simulations	Japan
		T-We1-3	163	Zhongyuan	Zhang	North China Electric Power University	Modeling and Calculation for Conductive Coupling Caused by Lightning Over-voltage in Substation Based on Numerical Inverse Laplace Transform	China
		T-We1-4	210	Sungtek	Kahng	Univ. of Incheon	The Field of Power/Ground Planes influenced by the HPEM Source, and its Damage Reduction	Korea
		T-We1-5	162	Fangming	RUAN	Guizhou Normal University	Micro-Air gap Velocity Effect of Inter-electrode on Parameters	China
		T-We1-6	125	Elodie	Bachelier	ONERA	Electromagnetic numerical and experimental study for optimizing the Lightning Protection System of the SOYUZ launching pad in Kourou	France
		T-We1-7	32	Mingli	Chen	The Hong Kong Polytechnic University	Detection Efficiency of A Regional Lightning Location Network in China	Hong Kong
		T-We1-8	73	Magnus	Olofsson	Swedish National Electrical Safety Board	EMC in Power Systems including Smart Grid	Sweden

Technical T-We2 - EMC Measurement (@Ballroom 3)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Prof. Wei Xing Chang (Zhejiang Univ.) Prof. Ki-Chae Kim (Yungnam Univ.)	May 18, 2011 (Wed) (09:00 ~ 12:00)	T-We2-1	40	Toshihiro	Takatsu	The University of Electro-Communications	A New Method for Measuring of Complex Near Electromagnetic Field on PCB	Japan
		T-We2-2	33	Jens	Medler	Rohde & Schwarz	Conditional use of Spectrum Analyzers for EMI Compliance Measurements	Germany
		T-We2-3	79	Ken	Sato	Graduate school of engneering Utsunomiya Univ.	A Measurement Method for 2-D EMF Distributions Using Infrared Tracker	Japan
		T-We2-4	76	Yang	Zhao	Nanjing Normal University	Design of Radiated EMI Analysis System in GTEM cell Based on Lab VIEW	China
		T-We2-5	127	Seungwoo	Lee	Chungbuk National University	Analysis of Reference Site Method in Korean OATSs	Korea
		T-We2-6	245	Dennis	Handlon	Agilent Technology	Radiated Emissions Measurements in an Open Area Test Site	United States
		T-We2-7	199	Hongsik	Keum	Korea Radio Promotion Association	Effect of a Shelter on SVSWR Validation at OATS	Korea

Technical T-We3 - EMC on Bio-Medical (@ Ballroom 4)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Prof. Koshiji (Tokyo Univ.) Prof. Nam Kim (Choongbuk Nat. Univ.)	May 18, 2011 (Wed) (09:00 ~ 12:00)	T-We3-1	117	Mauro	Feliziani	University of L'Aquila	Magnetic Field Analysis and Lumped Inductance Extraction for Wireless Power Transfer in Implanted Medical Devices	Italy
		T-We3-2	155	Akimasa	Hirata	Nagoya Institute of Technology	Conservative Estimation of Whole-Body Averaged SAR in Grounded Human Models for Plane Wave Exposure at Resonant Frequencies	Japan
		T-We3-3	157	Akimasa	Hirata	Nagoya Institute of Technology	Propagation of UWB Electromagnetic Noise Due to Electrostatic Discharge on the Human Body	Japan
		T-We3-4	63	Bernd	Jaekel	Siemens AG	Investigations Concerning Far-Field to Near-Field Relations in the Frequency Range 30 ~ 1000 MHz	Germany
		T-We3-5	93	Tongning	Wu	CATR/TMC	Application of Improved Multi-scale Sample Entropy Method to Analyze the Complexity of Red Blood Cellâ€™s Flickering with the Effect of Aging and ELF	China
		T-We3-6	97	Mi-Na	Hong	Korea Institute of Radiological and Medical Sciences	Effect of extremely low frequency electromagnetic fields on levels of intracellular reactive oxygen species and gene expression profile in MCF10A cells	Korea
		T-We3-7	242	Alireza	Baghai-Wadji	RMIT University	On the Construction of Physics-inspired Integral Representations for the Dirac δ-Function in EMC Applications	Australia
		T-We3-8	243	Alireza	Baghai-Wadji	RMIT University	On the Genesis of Differential Operators in EMC Applications	Australia

Technical T-We4 - PI & SI (@ Ballroom 2)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Prof. James L. Drewniak (MUST) Prof. Jong-Gwan Yook (Yonsei Univ.)	May 18, 2011 (Wed) (14:00 ~ 16:50)	T-We4-1	118	Lian Nee	Soh	Altera Corporation (M) Sdn Bhd	F/2-Rule: In-Depth Jitter Analysis from Spectral, Noise, and System Perspectives	Malaysia
		T-We4-2	171	Xiaomin	Duan	Technische Universitaet Hamburg-	A Hybrid CIM/MoM Approach for Power Plane Analysis Including Radiation Loss	Germany
		T-We4-3	38	Seiji	Torigoe	The University of Electro-	Crosstalk Analysis of Sufficiently Separated Two Sets of Coupled Trace Pair Over Ground Split	Japan
		T-We4-4	91	Dazhao	Liu	Electromagetic Compatibility Laboratory	Quantifying High-Speed Channel Performance Using A Novel Time-Domain Convolution Method	United States
		T-We4-5	110	Eakhwan	Song	KAIST	A Wide-band Passive Equalizer Design Using Multi-layer PCB Parasitics for 30 Gbps Serial Data Transmission	Korea
		T-We4-6	131	En-Xiao	Liu	Institute of High Performance Computing	Equivalent Circuit Model for Modeling Via-Stripline Transition in Multilayered Electronic Packages	Singapore
		T-We4-7	156	Tae-Lim	Song	Yonsei University	Enhancement of Signal Integrity in Asymmetric Branch Structure for High-Speed Digital Circuits	Korea

Technical T-We5 - Automotive EMC (@ Ballroom 3)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Prof. Todd Hubing (Clemson Univ.) Prof. Seungyoung Ahn (KAIST)	May 18, 2011 (Wed) (14:00 ~ 15:40)	T-We5-1	201	Jun Gyu	Yang	Radio Research Agency	Analysis of Radiated Emission Characteristic Generated from an Electric Railway System	Korea
		T-We5-2	104	shingo	okada	Sizuoka University	Modeling, Simulation, and Measurement of Common-Mode Current for Automotive Electromagnetic Compatibility	Japan
		T-We5-3	161	Hanol	Choi	Chungnam National University	Analysis of Switching Noise and Radiation of Aperture and Cable	Korea
		T-We5-4	198	XueLian	Gao	North China Electric Power University	Improved Direct Power Injection Model of 16-bit Microcontroller for Electromagnetic Immunity Prediction	China

Technical T-We6 - Antenna & Propagation(@ Biyang room)

Session Chair	Date & Time	Assignment	Paper	First Name	Last Name	Affiliation	Title	Nationality
Prof. Tzong-Lin Wu (NTU) Prof. Sungtek Kahng (Incheon Univ.)	May 18, 2011 (Wed) (14:00 ~ 16:50)	T-We6-1	27	Shih-Chung	Tuan	Oriental Institute of Technology	Novel Approximate Electromagnetic Formulations to Estimate the Performance of Parabolic Reflector Antennas	Taiwan
		T-We6-2	74	Toshihiro	Yamane	Tokyo Institute of Technology	Developement of VHF and UHF Ferrite Fin Absorber Panel for Buildings and Evaluation with Edge Diffraction Treatment	Japan
		T-We6-3	96	Li	Xiao	Chungbuk National Univeristy	A novel multi-band CPW-fed antenna with band-passed and band-notched characteristics for WLAN/UWB application	Korea
		T-We6-4	134	seyed mohsen	hosseini	South Branch	CPW-fed circular Slot Monopole Antenna with a band-notch structure for UWB applications	Iran
		T-We6-5	209	Mohd Fareq	Abd Malek	Universiti Malaysia Perlis (UniMAP)	Microwave Application using Rectangular Barium Strontium Titanate (BST) Dielectric Ceramic Array Antenna	Malaysia
		T-We6-6	114	Chia-Ching	Chu	I-SHOU university	Study of the Organic Semiconductor Thin Film Device Embeded Into A Patch Antenna	Taiwan