

# Final Technical Program

## DAY 1 (Wednesday – August 11, 2010)

Wednesday 8/11/2010	8:00 - 9:30	<b>Registration</b>			
	9:35 - 9:45	<b>Welcome Speech by General Co-chair: Professor Nguyen Van Khang</b> <b>Welcome Speech by HUST's President</b> <b>Speech of General Co-Chair: Professor Iwao Sasase</b> <b>Chair of ICCE 2010 LOC: Conference introduction (Prof. Nguyen Huu Thanh - HUST)</b>			
		<b>Keynote Session</b> <b>Chaired by: (pending)</b> <b>Conference Hall: Yersin Ballroom</b>			
	9:45 - 10:15	<b>Keynote 1: Prof. Thomas Magedanz (Technical University of Berlin, Germany) -</b> <b>"Evolution from the Next Generation of Fixed and Mobile Networks towards the Future Internet - Challenges and Approaches"</b>			
	10:15 - 10:45	<b>Coffee Break</b>			
	10:45 - 11:15	<b>Keynote 2: Prof. Anh-Vu Pham (University of California, Davis, USA) -</b> <b>"Liquid Crystal Polymer for Microwave and Millimeter-Wave Multi-layer Packages and Modules"</b>			
	11:15 - 11:45	<b>Keynote 3: Dr. C. Randy Giles (ED and President, Bell Labs Seoul, Alcatel-Lucent, South-Korea) -</b> <b>"Green Touch -- Limiting the ICT Carbon Footprint"</b>			
	11:45 - 12:15	<b>Keynote 4: Dr. Pham Manh Lam (Vice President, National Institute of Information and Communications Strategy, Ministry of Information and Communications of Vietnam, Vietnam) -</b> <b>"Vietnam information and communication technology – a new age of development in the next decade",</b>			
	12:15 - 13:30	<b>Lunch at the Feast Restaurant</b>			
		<b>Chair: (pending)</b> <b>Conference Hall: Yersin Ballroom A</b>	<b>Chair: (pending)</b> <b>Conference Hall: Yersin Ballroom B</b>	<b>Chair: (pending)</b> <b>Conference Hall: Hon Chong</b>	<b>Chair: (pending)</b> <b>Conference Hall: Hon Tre</b>
13:30 - 15:30	<b>Tutorial 1: Prof. Thomas Magedanz (Technical University of Berlin, Germany) -</b> <b>"Towards the Wireless Future Internet - Understanding the Role of Emerging Mobile Broadband Networks and the Evolved Packet Core",</b>	<b>Tutorial 2: Prof. Erdal Cayirci (University of Stavanger, Norway),</b> <b>"Security in Wireless Ad Hoc Sensor and Mesh Networks",</b>	<b>Tutorial 3: Dr. Khoa Nguyen (Vice-President, Silicon Frontline, USA)-</b> <b>"Field Solvers and Parasitic Extraction for Advanced Analog and Digital Designs",</b>	<b>Tutorial 4: Dr. Linus Lau (Computer Simulation Technology (CST) -</b> <b>"Complete Technology in computational electromagnetic"</b>	

	15:30 -16:00	<b>Coffee Break</b>			
	16:00 - 18:00	<b>Tutorial 5:</b> Markus Fiedler ( Blekinge Institute of Technology, Sweden )- <i>"Quantitative relationships between Quality of Experience and Quality of Service"</i> ,	<b>Tutorial 6:</b> Prof. Kris Steenhaut (VUB and Erasmushogeschool Brussel, Belgium) - and Dr. Yann-Aël Le Borgne (Computational Modeling lab (COMO) and Informatics and Electronics Group (ETRO), Vrije Universiteit Brussel, Belgium). <i>"Wireless Sensor Networks for Environmental Monitoring"</i> ,	<b>Tutorial 7:</b> Prof. Van Tam Nguyen (Telecom ParisTech, France) - <i>"Cognitive radio networks : a top-down analysis through European research Projects"</i> ,	<i>Pending</i>
		<b>Conference Hall 2</b>		<b>Conference Hall 3</b>	

## DAY 2 (Thursday – August 12, 2010)

		<b>Track I: Communication Networks Conference Hall: Hon Tre</b>		<b>Track II: Applied Electronics Conference Hall: Hon Chong</b>	
		<b>Communication Networks 1 Chaired by: (pending)</b>		<b>Applied Electronics 1 Chaired by: (pending)</b>	
		<b>Presentation</b>	<b>Authors</b>	<b>Presentation</b>	<b>Authors</b>
<b>Thursday 8/12/2010</b>	8:30 - 9:00	<b>Invited paper: "Graphical Demonstration of the Coherent Demodulation of GMSK"</b>	<i>Ho Huat Peh, Tjeng Thiang Tjhung, Fumiuyuki Adachi and Tony Quee Seng Quek,</i>	Design of Microcontroller-based Transcranial Impulse Electrotherapy Stimulation Device	<i>Viet Dzung Nguyen, Quang Huan Dao, Phuong Trung Lai Huu, Ngoc Tien Pham</i>
	9:00 - 9:20	Performance Evaluation of SOM Based Localization for Anisotropic Wireless Ad-hoc Networks	<i>Pham Doan Tinh, Makoto Kawai</i>	An Energy-Efficient 32-bit Adder Operating at Subthreshold Voltages in 45-nm CMOS	<i>Anh T. Tran and Bevan M. Baas</i>
	9:20 - 9:40	Adaptive Transmission Range Assignment Algorithm for In-routing Image Compression on Wireless Sensor Networks	<i>Vinh Tran-Quang, Phat Nguyen Huu, Takumi Miyoshi</i>	Investigation on the interaction among light, material and temperature field in the transient lens effect	<i>Hong Duc Doan, Ken Okazaki, Kazuyoshi Fushinobu</i>
	9:40 - 10:00	iPath: Achieving High-performance End-to-end Paths for Multi-homed Mobile Hosts	<i>Vu Thi Huong Giang, Michio Honda, Hiroshi Sakakibara, Hideyuki Tokuda</i>	An Analytical Model for Energy Quantization Effect in Nano-p-MOSFETS	<i>Amit Chaudhry, J. N. Roy</i>

10:00 - 10:30	<b>Coffee Break + POSTER Session: Communication Networks</b>			
10:30 - 11:00	<b>Invited paper: "MAC and Routing Protocols for Ad hoc near sea surface sensor networks"</b>	<i>Erdal Cayirci</i>	Novel anodic aluminum oxide (AAO) nanoporous membrane for wearable hemodialysis device	<i>Ajab K.Kasi, Jafar K.Kasi, Nitin Afzulpurkar, Erik Bohez, Adisorn Tuantranont, Banchong Mahaisavariya</i>
11:00 - 11:20	A Novel Queue Management Mechanism for IP Networks	<i>Nguyen Hong Son, Le Quoc Cuong</i>	Thermometer-to-binary Encoder With Bubble Error Correnction Circuit for Flash Analog-to-Digital Converter	<i>Bui Van Hieu, Seunghyun Beak, Seunghwan Choi, Jongkook Seon, Taikyeong Ted. Jeong</i>
11:20 - 11:40	On Generating Power-Law Networks with Assortative Mixing	<i>Khanh Nguyen Duc A. Tran</i>	A Wide Frequency Range and Adjustable Duty Cycle CMOS Ring Voltage Controlled Oscillator	<i>Minh-Hai Nguyen, Cong-Kha Pham</i>
11:40 - 12:00	A Traffic-Adaptive Multi-Channel MAC protocol for Wireless Sensor Networks	<i>Joris Borms, Kris Steenhaut, Phung Kieu Ha, Bart Lemmens</i>	Design of Laboratory Information System for healthcare in Vietnam BK-LIS	<i>Vu Duy Hai, Nguyen Duc Thuan</i>
12:00 - 13:30	<b>Lunch at the Feast Restaurant</b>			
	<b>Communication Networks 2</b> Chaired by: <i>(pending)</i>		<b>Applied Electronics 2</b> Chaired by: <i>(pending)</i>	
13:30 - 13:50	Cost Evaluation of Hybrid-Hierarchical Optical Cross-connects for Cost-effective Optical Path Networks	<i>Hai-Chau Le, Hiroshi Hasegawa, Ken-ichi Sato</i>	RF Energy Harvesting Circuit with On-chip Antenna for Biomedical Applications	<i>Huyen Le, Neric Fong, Howard Cam Luong</i>
13:50 - 14:10	The Design Methods for Logical Topologies with Consideration both Traffic Demand and Hop Count of Physical Route in IP over WDM Networks	<i>Quynh Nhu Quang Nguyen, Tuan Van Nguyen</i>	Electro-Optic Modulator Bias Point Optimization by Detecting its Nonlinear Behavior	<i>Dang Thanh Bui, Bernard Journet</i>
14:10 - 14:30	A Study on Handoff Issues in Radio over Fiber Network at 60 GHz	<i>Bien Van Quang, R. Vankatesha Prasad, Ignas Niemieeger, Nguyen Thi Viet Huong</i>	Design of a 256-KBit EEPROM IP for Touch-Screen	<i>Gyu-Sam Cho, Du-Hwi Kim, Ji-Hye Jang, Moo-Hun, Park, Pan-Bong Ha, Young-Hee Kim, Jung-Hwan Lee</i>
14:30 - 14:50	Route Switching Protocol for Network Coding in Ad Hoc Networks	<i>Shinji Kano, Takahiro Wada, Iwao Sasase</i>	Low Input Impedance Current Comparator Using in Pulse-Width Modulation	<i>Chun Wei Lin and Sheng Feng Lin</i>
14:50 - 15:10	Efficient Delivery of Monitoring Data in Networked Fishing Boats	<i>Tien Pham Van, Tuan Do Trong and Tien Dung Nguyen</i>	Real-time communication between MATLAB and IEDs in electrical distribution systems using OPC technology	<i>L. Le- Thanh, R. Caire, D. ThermoZ-Liaudy</i>

	15:10 - 15:40	<b>Coffee break + Joint POSTER Session: Microwave Engineering and Applied Electronics</b>			
	15:40 - 16:00	Novel 2-D OCDMA Systems using Multi-Code Modulation and Optical Hard-Limiters	<i>Ngoc T. Dang, Anh T. Pham, Hien T. T. Pham</i>	Tunable Photonic Crystal Filter of Pabry-Perot Interferometer Using PLZT Thin Film as Defect Layer	<i>Le Van Hai, Takeshi Kanashima, Masanori Okuyama</i>
	16:00 - 16:20	Channel Coding for 2-D FSO/CDMA Systems over Strong Atmospheric Turbulence Channels	<i>Tu A. Luu, Ngoc T. Dang and Anh T. Pham</i>	A Lab on Chip for Single Cell Trapping Via both Positive Dielectrophoresis and Negative Dielectrophoresis for Biomedical Application	<i>Ngoc-Duy Dinh, Tran Hoang Vu, Chien-Wei Sung, Cheng-Hsien Liu</i>
	16:20 - 16:40	Outage Probability of Selection Relaying Networks with Distributed Switch and Stay Combining over Rayleigh Fading Channels	<i>Thanh Tran-Thien and Tuan Do-Hong and Bao Vo Nguyen Quoc,</i>	SESSION CLOSE	SESSION CLOSE
	16:40 - 17:00	Performance of Cognitive Radio Networks with Maximal Ratio Combining over Correlated Rayleigh Fading	<i>Trung Q. Duong, Thanh-Tan Le, and Hans-Jürgen Zepernick</i>		
	17:00 - 17:20	Trust Level Evaluation for Communication Paths in MANETs by Using Attribute Certificates	<i>Shinichiro Inoue, Masakuni Ishii, Naofumi Sugaya, Takeshi Yatagai, Iwao Sasase</i>		
	17:20 - 17:40	Contention vs. Polling in wireless high-bit-rate packet transfer for fast movers in connected micro-cells	<i>Phan Thanh Hoa, Takahiko Yamada</i>		
		SESSION CLOSE	SESSION CLOSE		
	From 18:30	Gala Dinner at the Pool Side			
<b>DAY 2 (Thursday – August 12, 2010)</b>					
<b>Thursday 8/12/2010</b>		<b>Track III: Signal Processing and Applications Conference Hall: Yersin Ballroom A</b>		<b>Track IV: Microwave Engineering Conference Hall: Yersin Ballroom B</b>	
		<b>Signal Processing and Applications 1 Chaired by (pending)</b>		<b>Microwave Engineering 1 Chaired by Prof. Sang-Gug Lee and Prof. Hiroshi Shirai</b>	

	<b>Presentation</b>	<b>Authors</b>	<b>Presentation</b>	<b>Authors</b>
8:30 - 9:00	<b>Invited Paper: "Research Development and Standardization Activities on Distributed Spectrum Sensing for Dynamic Spectrum Access"</b>	<i>Ha Nguyen Tran, Yohannes D. Alemseged, Chen Sun, and Hiroshi Harada</i>	<b>Invited paper: "Numerical Simulations of Surface Plasmon Gap Waveguides for Nanometric Optical Circuits"</b>	<i>Kazuo Tanaka, Tran Trong Minh and Masahiro Tanaka</i>
9:00 - 9:20	Two-fold Symmetric Diamond-Shaped 2-D Filter Design with Quincunx Sampling Application	<i>A. J. Seneviratne, H. H. Kha, H. D. Tuan, T.Q. Nguyen</i>	Complex Permittivity Estimation From Free Space RCS Measurement	<i>Hiroshi Shirai and Masayuki Ishikawa</i>
9:20 - 9:40	Robust video fingerprinting system	<i>Daniel Pereira, Luis Loyola</i>	60-GHz-Band Planar Slot Antenna Using Organic Substrates for Ultra-Small WPAN Modules	<i>Satoshi Yoshida, Hiroshi Oguma, Suguru Kameda, Tadashi Takagi, and Kazuo Tsubouchi</i>
9:40 - 10:00	Automatic Classification of Speaker Characteristics	<i>Phuoc Nguyen, Dat Tran, Xu Huang, and Dharmendra</i>	Study on the maximum effective refractive index of single interface SPP waveguide	<i>Ruijian Rao, Tiantong Tang</i>
10:00 - 10:30	<b>Coffee Break + POSTER Session: Communication Networks</b>			
10:30 - 10:50	A New Fuzzy Membership Computation Method for Fuzzy Support Vector Machines	<i>Trung Le, Dat Tran, Wanli Ma and Dharmendra Sharma</i>	Magnetic Induction Channel Models and Link Budgets: A Comparison between Two Agbinya-Masihpour Models	<i>Johnson I. Agbinya, Mehroush Masihpour</i>
10:50 - 11:10	Generation of F0 contours for Vietnamese speech synthesis	<i>Do Dat Tran, Eric CASTELLI</i>	Simulation and Implementation of Improved Chaotic Colpitts Circuit for UWB Communications	<i>Nguyen Xuan Quyen, Bui Tran Quyet, Vu Van Yem, Nguyen Tien Dzung and Thang Manh Hoang</i>
11:10 - 11:30	Terrain Classification Based On Structure For Autonomous Navigation in Complex Environments	<i>Duong.V Nguyen, Lars Kuhnert, Jens Schlemper, and Klaus-Dieter Kuhnert</i>	Compact Wilkinson Power Divider Based on Novel Via-less Composite Right/Left-handed (CRLH) Transmission Lines	<i>Hai Hoang Ta and Anh-Vu Pham</i>
11:30 - 11:50	A New Descriptor for Image Retrieval Using Contourlet Co-occurrence	<i>Hoang Nguyen-Duc, Tuan Do-Hong, Thuong Le-Tien, Cao Bui-Thu</i>	A Novel Quadruple L-Shaped Meandered Line Electromagnetic Band Gap Structure	<i>Son Trinh-Van, Chien Dao-Ngoc</i>
12:00 - 13:30	<b>Lunch at the Feast Restaurant</b>			
	<b>Signal Processing and Applications 2</b> Chaired by <i>(pending)</i>		<b>Microwave Engineering 2</b> Chaired by <b>Prof. Kazuo Tanaka and Dr. Dao Ngoc Chien</b>	

13:30 - 13:50	Enhancing the Recognition of Medication Intake using a Stereo Camera	<i>Huu-Hung Huynh, Jean Sequeira, Marc Daniel, Jean Meunier</i>	An Ergodic Wideband MIMO Channel Simulator Based on the Geometrical T-Junction Scattering Model for Vehicle-to-Vehicle Communications	<i>Zhou Wei, Matthias Pätzold, Chen Wei and He Zhiyi</i> To be presented by Yuanyuan Ma, University of Agder, Norway
13:50 - 14:10	Gain Function Estimation for TDC-Based Subspace Speech Enhancement	<i>Jia-Ching Wang and Chang-Hong Lin</i>	Analysis and Computation of Electromagnetic Scattering by Multiple Spheres Configuration	<i>Nguyen Tien Dong, Masahiro Tanaka, and Kazuo Tanaka</i>
14:10 - 14:30	Fast Fingertips Positioning Based on Distance-based Feature Pixels	<i>Le Dung, Makoto Mizukawa</i>	A Nearly-Zero Ultra-Flattened Dispersion Photonic Crystal Fiber: Application to Broadband Transmission Platforms	<i>Nguyen Hoang Hai, Nguyen Hoang Dai, Hoang Tuan Viet, Nguyen The Tien</i>
14:30 - 14:50	Blind Speech Separation in Convolutional Mixtures Using Non-Gaussianity Maximization and Inverse Filters	<i>Nam Vuong-Hoang, Trung Nguyen-Quoc, Linh Tran-Hoai</i>	Compact Printed Ultra-Wideband Antenna with Three Subband Notches	<i>Nguyen Dang Trang, Dong Hyun Lee, and Hyun Chang Park</i>
14:50 - 15:10	Power Allocation for Amplify and Forward MIMO-OFDM Relay Network	<i>Nguyen Ngoc Van, Fuqiang and Ping Wang</i>	A GA-based Optimized Broadband Millimeter-Wave Quasi-Yagi Antenna	<i>Bui Van Ha, Dao Ngoc Chien</i>
15:10 - 15:40	<b>Coffee break + Joint POSTER Session: Microwave Engineering and Applied Electronics</b>			
15:40 - 16:00	Speech enhancement using modified IMCRA and OMLSA methods	<i>Tien Dung Tran, Quoc Cuong Nguyen and Dang Khoa Nguyen</i>	Design Dual-band Microstrip Monopole Antenna	<i>Tran Minh Tuan</i>
16:00 - 16:20	Implementation of Webcam-based Touchscreen	<i>Hoang Minh Phuong, Nguyen Tien Dzung, Thang Manh Hoang</i>	Evaluation of Human Testis Absorption in the Near Field of Cellular Phone	<i>Tuan Anh Vu, Uyen Dinh Nguyen</i>
16:20 - 16:40	Detect Abnormalities in Mammograms by Local Contrast Thresholding and Rule-based Classification	<i>Viet Dzung Nguyen, Thu Van Nguyen, Tien Dzung Nguyen, Duc Thuan Nguyen, Hong Van Hoang</i>	Optimization Of PIFA Antenna Using An Auto-embedded Genetic Algorithm	<i>Trong Duc Nguyen, Tan Phu Vuong, Yvan Duroc and Vu Van Yem</i>
16:40 - 17:00	A Reverse Convex Programming for Beamforming in Cognitive Multicast Transmission	<i>A. H. Phan, H.D. Tuan, H.H. Kha, and D.T. Ngo</i>	Micro-Fabricable Terahertz Sheet Beam Amplifier Integrated with Broadband Metamaterial Circuit	<i>Young-Min Shin, Jinfeng Zhao, Anisullah Baig, Diana Gamzina, Larry R. Barnett, Neville C. Luhmann Jr</i>
17:00 - 17:20	Spatial Fading Correlation for Semicircular Scattering: Angular Spread and Spatial Frequency Approximations	<i>Bamrung Tau Sieskul, Claus Kupferschmidt, and Thomas Kaiser</i>	Pseudo Concurrent Quad-Band LNA Operating in 900 MHz/1.8 GHz and 900 MHz/2.4 GHz Bands for Multi-Standard Wireless Receiver	<i>Sambit Datta, Kunal Datta, Ashudeb Dutta, Tarun Kanti Bhattacharyya</i>
17:20 - 17:40	Soft Decision Viterbi Decoder for FSK Demodulation Under Fast Fading Channel	<i>Daisuke Nojima, Yuhei Nagao, Masayuki Kurosaki, Hiroshi Ochi, Akira Ishikawa, Shugo Fukagawa and Akihiro Tahira</i>	Optimization of the S-Parameter Response of a Coplanar Waveguide Series Short Stub for Broadband Applications	<i>Rizwan Masood, Syed A. Mohsin</i>
From 18:30	<b>Gala Dinner at the Pool Side</b>			

## DAY 3 (Friday – August 13, 2010)

		Track III: Signal Processing and Applications Conference Hall: Yersin Ballroom A		Track IV: Microwave Engineering Conference Hall: Yersin Ballroom B	
		Signal Processing and Applications 3 Chaired by <i>(pending)</i>		Microwave Engineering 3 Chaired by Prof. Anh-Vu Pham	
	8:30 - 8:50	PAPR Reduction Using RLE in OFDM System	<i>Filbert H. Juwono, Dadang Gunawan</i>	A Small Monopole Antenna for UWB Mobile Applications with WLAN Band Rejected	<i>Chien Dao-Ngoc</i>
	8:50 - 9:10	Comb-Based Decimator for SDR Applications	<i>Gordana Jovanovic Dolecek</i>	Simulation analysis and comparison of three types of 3-dB coupler using a Si wire waveguide	<i>D. Tanaka, Y. Ikuma, H. Tsuda, K. Kintaka</i>
	9:10 - 9:30	A channel allocation method for multi-cell OFDMA-FDD networks	<i>Quoc Khuong Nguyen, Van Duc Nguyen, Quoc Trung Nguyen, Duyen Trung Ha</i>	An Electro-Optic Modulator using a Multi-Channel Directional Coupler with a Poled Electro-Optic Polymer	<i>Ravi J. McCosker and Graham E. Town</i>
	9:30 - 9:50	Super-Orthogonal Space-Time Trellis Codes with Differential Phase Modulation for Noncoherent Mobile Communication Systems	<i>Corneliu Eugen D. Sterian, Ion Bănică, Yuanyuan Ma, Huaqiang He, Matthias Pätzold</i>	A Novel Spaceship CPW-Fed Slot Antenna for 2.4 GHz WLAN Applications	<i>Ngo Quang Bao Loc and Pei Cheng Ooi</i>
	9:50 - 10:10	A Constant Envelope Modulation Method Using Orthogonal Frequency Allocated Multi-Carrier MSK for Broadband Wireless System	<i>Tuan Thanh Ta, Shoichi Oshima, Hiroshi Oguma, Suguru Kameda, Tadashi Takagi, and Kazuo Tsubouchi</i>	New Architectures of Planar Filters Using Split Ring Resonators	<i>A. León, A. Casanueva, A. Mediavilla, and J. Herrero</i>
	10:10 - 10:40	<b>Coffee break + POSTER Session: Signal Processing and Applications</b>			
	10:40 - 11:00	An OFDM Channel Estimation Based on a Simultaneous Use of Linear Interpolation and Feedback Channel Estimation	<i>Takanori Iwamatsu, Takaharu Kobayashi, Koichiro Wakasugi</i>	SESSION CLOSE	SESSION CLOSE
	11:00 - 11:20	A Novel Implementation of The Spectral Shaping Approach for Artificial Bandwidth Extension	<i>Tuan Van Pham, Friedrich Schaefer, Gernot Kubin</i>		
	11:20 - 11:40	Performance Evaluation of Blind Source Separation Algorithms Based on Source Signal Statistics in Convolutional Mixtures	<i>C.T. Le, S. Moghaddamnia, C. Kupferschmidt and T. Kaiser</i>		

	11:40 - 12:00	OR Rule and Parallel Processing Technique in Multiple Antennas for Spectrum Sensing	<i>Pham Duy Phong, Dang Trung Chinh and Vu Van Yem</i>		
	12:00 - 13:30	<b>Lunch at the Feast Restaurant</b>			
		<b>Signal Processing and Applications 4 Chaired by <i>pending</i></b>			
	13:30 - 13:50	A Fast Implementation of Semi-Markov Conditional Random Fields	<i>La The Vinh, Sungyoung Lee, Young-Koo Lee</i>		
	13:50 - 14:10	New Peak-to-Average Power Ratio reduction approach for OFDM systems	<i>Anh Tai Ho, Jean-François Helard, Youssef Nasser and Yves Louët</i>		
	14:10 - 14:30	Jointly Optimal Precoder and Power Allocation for the Amplify-and-Forward Half-duplex Relay System	<i>Leonardo Jim'enez Rodr'iguez, Nghi H. Tran, and Tho Le-Ngoc</i>		
	14:30 - 14:50	Genetic Algorithm-based Interference Avoidance Method for Cognitive Radio in White Space	<i>Vo Quoc Duy, Joo Pyoung Choi, Huynh Chuyen Khoa and Won Cheol Lee</i>		
	14:50 - 15:10	A Cross-Layer Design for Downlink Scheduling of Multi-user MIMO Systems with Zero-Forcing Beamforming	<i>Yi Han, Ping Wang, Fuqiang Liu</i>		
	15:10 - 15:40	<b>Coffee break</b>			
	15:40 - 16:00	SESSION CLOSE	SESSION CLOSE		



## POSTER SESSIONS

Wednesday, August 12, 2010		Thursday, August 12, 2010	
POSTER Session: COMMUNICATION NETWORKS during Coffee Break 10:00 - 10:30		Joint POSTER Session: MICROWAVE ENGINEERING and APPLIED ELECTRONICS during Coffee Break 15:10 - 15:40	
A Study on Performance Improvement of Digital Terrestrial Television Broadcasting Under Fast Fading Channel	<i>Tatsumi Uwai, Nico Surantha, Yuhei Nagao, Masayuki Kurosaki, Hiroshi Ochi</i>	Capacity Improvement for An OFDM Mobile Communication System Using A Smart Antenna System	<i>Tran Cao Quyen</i>
A Novel Optical Burst Switched Ring Network with Dynamic Wavelength Allocation	<i>Hieu Bui Trung, Minh Hoang Trong, Thanh Le Xuan and Thanh-Nam Nguyen, Son Vu Hoang</i>	The Curvature Influence on the Input Impedance of Microstrip Antennas on Hemispherical Structures	<i>Truong Vu Bang Giang</i>
A Review on the Spectrally Efficient Transmission of Signals with Software Defined Radio	<i>Silpa S. Prasad, R. Gandhiraj, K. P. Soman</i>	CMOS differential LC-oscillator with MOS Source Degeneration	<i>D. B. Yen Nguyen, Sang-Sung Lee, Seok-kyun Han and Sang-Gug Lee</i>
Efficient P-CSCF Discovery from NASS-IMS	<i>Chen Wu</i>	Implementation of Chaotic Colpitts Oscillator in Microwave Frequency	<i>Nguyen Xuan Quyen, Thuat Truong My, Vu Van Yem, Nguyen Tien Dzung and Thang Manh Hoang</i>
Flexible Visual Mix-net Simulator for Studying Effectively Anonymity Systems	<i>Nguyen Khanh Hoai Nam, Duong Ky Thinh, Tran Hong Ngoc</i>	Ultra Wide Band Antenna Optimization Using Genetic Algorithm	<i>Trong Duc Nguyen, Tan Phu Vuong, Van Yem Vu and Quoc Dinh Le</i>
A Novel Agent Based Approach for Controlling Network Storms	<i>T.R.Gopalakrishnan Nair, B.R.Shubhamangala, Vaidehi.M</i>	The Design of Microresonators Based on Multimode Interference Couplers on an SOI platform	<i>Trung-Thanh Le</i>
Application Service Trials for IMS based Network	<i>Moo Wan Kim</i>	Design of GaN Power Static Induction Transister	<i>E. G. Kang, H. S. Chung, B. J. Kim and T. J. Nahm</i>
Maximizing Network Lifetime by Balancing Energy Consumption in Wireless Sensor Networks	<i>Farruh Ishmanov, Sung Won Kim and Byung-Seo Kim</i>	Client-Server Data Communication between Computer and Intelligent Circuit Breaker using Modbus/RTU Protocol	<i>Shital A. Dhumane</i>
Improvement of successful lookup ratio of Chord Distributed Hash Table (DHT) in wireless communication environment	<i>Hung Nguyen Chan, Giang Ngo Hoang, Tan Pek Yew</i>	Transport Protocols for Internet-based Real-time Systems: A Comparative Analysis	<i>Manh Duong Phung, Quang Vinh Tran, Kok Kiong Tan</i>

Adaptive QoS Provisioning Architecture for Mobile Network	<i>Kwang Sik Kim, Shintaro Uno, Moo Wan Kim, Shunji Abe</i>	Advances in RNMC Technique with Dual-Active Current and Voltage Buffer for High-Load Three- Stage plifiers	<i>J. Sobhi ZD.Koozehkanani A.Ghardashkhani</i>
Cooperative Wireless Communications with Unequal Error Protection and Fixed Decode-and-Forward Relays	<i>Trung Q. Duong, Ulrich Engelke, and Hans-Jürgen Zepernick</i>	High-Speed Power-Efficient Modified Baugh-Wooley Multipliers	<i>Aswathy Sudhakar, D. Gokila</i>
		Reduction of area in wave pipelined circuits	<i>Alka Raj N.Kayalvizhi</i>
		Physical design of a low power mixed-signal chip	<i>Ligang Hou, Wuchen Wu</i>
		Methods of Cutting 3D Surface Meshes Based On the Longest-side Refinement Algorithm for Surgical Simulators	<i>Huynh Quang Huy Viet, Sato Makoto</i>
		A Simple Compact PIFA for Wireless Communication Applications	<i>Houda Halheit, Tan Phu Vuong, André Vander Vorst, Mustapha C.E. Yagoub</i>

**Friday, August 13, 2010**

**POSTER Session: SIGNAL PROCESSING AND APPLICATIONS  
during Coffee Break  
10:10 - 10:40**

Surveillance video retrieval: what we have already done?

*Thi-Lan Le, Alain Boucher, Monique Thonnat and Francois Bremond*

An Efficient Stopping Method to Reduce Computing Complexity and Improve Performance of Iterative Decoder for LDPC codes

*Nguyen Danh Khoa, Nguyen Tung Hung*

Spatially Adaptive Noise Detection and Removal Algorithm Using Local Statistics

*Tuan-Anh Nguyen, Won-Seon Song., Min-Cheol Hong*

An N-Dimensional Beamforming Method for MIMO Systems	<i>Seyed Morteza Razavi</i>
High-Resolution Direction-of-Arrival Estimation for Coherently Distributed Sources and Application for Modeling MIMO Channels	<i>Ha Hong Ta, Thai Van Nguyen, Tuan Do-Hong</i>
Two-Dimensional Discriminant Supervised Neighborhood Embedding (2D-DSNE) for Pattern Recognition	<i>Ngo Truc Hung, Yen-Wei Chen</i>
A New Channel Estimation Scheme Based on Second Order Statistics for MUD Pulse Telemetry Applications	<i>Sanam Moghaddammia, Chung Thi Le, Feng Zheng, Thomas Kaiser</i>
Study design and fabrication of the national sovereignty identification code receivers basic units	<i>Dang Thi Thanh Thuy, Nguyen Dinh The Anh and Bach Gia Duong</i>
A Fast And Robust Clustering Algorithm For Real-Time Speaker Diarization System	<i>Dau Ngoc Ha Duong, Vu Hai Quan, Chng Eng Siong</i>
Which one is dominant for neural network based speech recognition - $\Delta$ or $\Delta\Delta$ articulatory parameters?	<i>Mohammad Nurul Huda, Mohammad Mahedi Hasan, Foyzul Hassan, Md. Shahadat Hossain, Ghulam Muhammad, Mohammed Rokibul Alam Kotwal, Gazi Md. Moshfiqul Islam, Chowdhury Mofizur Rahman</i>
Effect of articulatory trajectories on phoneme recognition performance	<i>Mohammad Nurul Huda, Mohammad Mahedi Hasan, Foyzul Hassan, Ghulam Muhammad, Sharif Mohammad Musfiqur Rahman, Mohammed Rokibul Alam Kotwal</i>
Using Geometric Invariability for Correcting Lens Distortion	<i>Van Toan Cao, Hyo-Moon Cho, Sang-Bock Cho</i>
An Adaptive Method for Lane Marking Detection Based on HSI Color Model	<i>Trung-Thien Tran, Hyo-Moon Cho, Sang-Bock Cho</i>
Landscape Image of Regional Tourism Classification using Neural Network	<i>Thai Hoang Le, Nguyen Thai Do Nguyen, Hai Son Tran</i>
An algorithm of denoising based-on wavelet frame singular identification	<i>Nguyen Minh Duc, Nguyen Huy Hoang, Nguyen Van Khang, Nguyen Thuy Anh, Nguyen Huu Trung</i>