PACRIM 2007

Wednesday August 22, 2007

18:00 - 20:00	**Welcoming Reception - University Club**

Thursday August 23, 2007

8:45 - 9:00	**Opening Ceremony - ECS 123**

9:00 - 10:10	**Keynote Address - ECS 123** **Professor Hoda S. Abdel-Aty-Zohdy, Ph.D**

10:10 - 10:30	**Nutrition Break - ECS Lobby (101)**

	T11 - ECS 130	**T12 - ECS 128**	**T13 - ECS 104**	**T14 - ECS 108**	**T15 - ECS 124**	**T16 - ECS 116**
TRACK	**Routing Performance**	**AI & Applications**	**Image Coding**	**Wireless Networks**	**Communication Theory**	**Computer Architecture**
Session Chair	**Hisashi Kobayashi**	**George Tzanetakis**	**Michael Adams**	**Kui Wu**	**Wei Li**	**Ken Kent**
10:30-10:50	Topology Aggregation in PNNI Networks, Part I: Link Aggregation	An efficient evolutionary algorithm for multiobjective optimization problems	An Improved Multiscale Normal-Mesh-Based Image Coder	Wireless Ad-hoc Networks Using Cooperative Diversity-based Routing in Fading Channel	A comparison of Nakagami and Ricean phase difference distributions	Optimizing Pipelines of Trigonometric Functions for FPGAs
Author(s)	*Wai Sum Lai, Layli Amiri , Michael Ball , Douglas Jones , Eric Rosenberg, and Michael Ungar*	*Wei-Mei Chen, and Wei-Ting Lee*	*Di Xu and Michael D. Adams*	*Nam-Soo Kim, Beongku An, Do-Hyeon Kim, and Ye Hoon Lee*	*Chantri Polprasert and James Ritcey*	*Hossein Ajorloo, Hamid Ebrahimi, and Hamid Sarbazi-Azad*
10:50-11:10	A Framework for Opportunistic Allocation of Wireless Resources	Ontology-Driven Development of Intelligent Educational Systems	Lossless Compression of Error Diffused Images by Coding Multi-level Images Having Least Entropy	Analysis of the Channel Access Mechanism in IEEE 802.11 Wireless Local Area Networks	On the Sum-Capacity of Pilot-Assisted CDMA over Fast Varying Channels	Design & Implementation of the Interface of a Hardware/Software Co-Designed Virtual Machine
Author(s)	*Yun Hou and Kin K. Leung*	*Gordon Deline, Fuhua Lin, Dunwei Wen, Dragan Gaševic, and Kinshuk*	*Fumitaka Ono and Makoto Kitamura*	*Hossam Fattah*	*Rasit Tutgun , Emre Aktas*	*Adam J. Baker and Kenneth B. Kent*
11:10-11:30	Topology Aggregation in PNNI networks, Part II: node aggregation	A Transformation from RDF Documents and Schemas to Relational Databases	Lossless Compression of Mammographic Images by Chronological Sifting of Prediction	A Framework for Evaluating Video Transmission over Wireless Ad Hoc Networks	Energy Efficient Modulation Design for Wireless Sensor Networks	The Impact of the Register Update Unit Size on Multipath Execution
Author(s)	*Wai Sum Lai*	*Wajee Teswanich and Suphamit Chittayasothorn*	*A. Neekabadi, S. Samavi, N. Karimi, E. Nasr-Esfahani, S. A. Razavi, and S. Shirani*	*Marwa Abdel-Hady and Rabab Ward*	*Xiao Liang, Wei Li and T. Aaron Gulliver*	*Chao-Chin Wu, Kuan-Chou Lai, En-Hao Liu, and Jin-Yuan Chen*
11:30-11:50	A Multipath Flow Routing Approach for Increasing Throughput in the Internet		Efficient Fractal Image Coding Using Adaptive Domain Pool Reduction Technique	Bounds for Lifetime Maximization with Multiple Sinks in Wireless Sensor Networks	Simple and Exact Closed-Form Expressions for the Expectation of the Linn-Peleg M-PSK Lock Detector	A Built-in Application Control Module for SAGE
Author(s)	*Brian Mark and Shidong Zhang*		*Said El-Khamy, Mohamed Khedr, and Ahmad Al-Kabbany*	*Vahid Shah-Mansouri and Vincent Wong*	*Yair Linn*	*Seiki Kuwabara, Kohei Ichikawa, Susumu Date, and Shinji Shimojo*
11:50-12:10	Analysis of Multiple Trees on Path Discovery for Beacon-Based Routing Protocols		Robust Wireless Image Communications Using Combined SPIHT/OFDM Technique	Experimental Study of an Online Game over Wireless Networks		Branch Prediction and Power Reduction Techniques in the Clustered Loop Buffer VLIW Architecture
Author(s)	*Baruch Awerbuch , David Holmer, Herbert Rubens, and Robert G. Cole*		*Onsy Abdelaleem, Mohamed Khedr, Maha Sharkas, and A. Almaghrabi*	*Kui Wu, Yang Cao, Bo Sun , and Yang Xiao*		*Pavithra Dankanikote, Jin Hwan Park, and Yul Chu*

12:10 - 13:30	**Lunch - ECS Lobby (101)**

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Thursday August 23, 2007

TRACK	T21 - ECS 130	T22 - ECS 128	T23 - ECS 104	T24 - ECS 108	T25 - ECS 124	T26 - ECS 116
	Networking I	**Grid Computing**	**Multiple Access**	**Wireless Systems I**	**Space-Time Coding & MIMO**	**Logic Synthesis and Testing**
Session Chair	**Emad Shihab**	**Munehiro Fukuda**	**Aaron Gulliver**	**Abu Sesay**	**Defne Aktas**	**Michael Miller**
13:30-13:50	Pulsed ACK: Improving Robustness of TCP for Asymmetric Bandwidth	A Grid Computing System using Low Resource Compact Computers	Reduction of Feedback Overload by Exploiting Adaptive Channel in OFDMA systems	Turbo Detection for the Uplink of CP-Assisted DS-CDMA Systems	Adaptive Equalization of Space-Time Coded MC-CDMA Systems	Improved Implementation of a Reed-Muller Spectra Based Reversible Synthesis Algorithm
Author(s)	*Daigo Tanaka, Kiyoshi Oguchi, and Hiroshi Shigeno*	*Takehiko Demiya , Tomoki Yoshihisa, and Masanori Kanazawa*	*Satoru Iijima, Rui Zhou,and Iwao Sasase*	*Paulo Silva and Rui Dinis*	*Aditya Trivedi and Matadeen Bansal*	*Jing Zhong and Jon Muzio*
13:50-14:10	Investigating high-speed transport protocol flows on 10 Gigabit testbed JGNII -with monitoring the Linux kernel internally-	Resource Management and Monitoring in AgentTeamwork Grid Computing Middleware	Variable Step Closed-Loop Power Control in Cellular Wireless CDMA Systems under Multipath Fading	Turbo Multi-Packet Detection: An Efficient Technique to Deal with Collisions	EM Based Semi-Blind Beamforming Algorithm in MIMO OFDM Systems	ESOP-based Toffoli Gate Cascade Generation
Author(s)	*Kazumi Kumazoe, Masato Tsuru ,and Yuji Oie*	*Munehiro Fukuda, Cuong Ngo, Enoch Mak, and Jun Morisaki*	*Hamed Saghaei, and Abbas Ali Lotfi Neyestanak*	*Rui Dinis, Marco Serrazina, and Paulo Carvalho*	*H. Zamiri-Jafarian, S. Bokharaiee-Najafee, and S. Pasupathy*	*Kenneth Fazel, Mitch Thornton, and Jackie Rice*
14:10-14:30	A Novel Local Timestamp Based Adaptive Clock Method FOR TDM over Ethernet	A Java Implementation of MPI-I/O-Oriented Random Access File Class in AgentTeamwork Grid Computing Middleware	A Reservation-Based Multiple Access Protocol for OFDMA Networks with Adaptive Backoff Strategy	QoS In Weather Impacted Satellite Networks	Soft Decision Iterative V-BLAST with Detection of All Symbols at the Last Stage by Changing Detection Order in Hybrid STBC	Modified Geffe Test Pattern Generator for Built-in Self-test
Author(s)	*Jin-you Dai and Shao-hua Yu*	*Joshua Phillips, Munehiro Fukuda, and Jumpei Miyauchi*	*Yousry Abdel-Hamid, Fayez Gebali , and T. Aaron Gulliver*	*Kamal Harb, Anand Srinivasan, Changcheng Huang,and Brian Cheng*	*Akihiro Okazaki, Masahiro Fujikawa , Kazuhiko Hasegawa,and Iwao Sasase*	*Dandan Qi and Jon Muzio*
14:30-14:50	Analytical modeling of a Multistage Interconnection Network with Buffered axa Switches under Hot-spot Environment		A Turbo SDMA Receiver for Strongly Nonlinearly Distorted MC CDMA Signals	Locally Optimal Detection for Weak Spread Spectrum Signal in the Presence of Powerful Narrowband M-ARY ASK Interference		Fault Localization and Full Error Correction in Radix2 Signed Digit-Based Adders
Author(s)	*Jung-Yoon Kim, Tae-Zi Shin, and Myung-Kook Yang*		*Paulo Silva and Rui Dinis*	*S. Mohammad Saberali and Hamidreza Amindavar*		*Seyyed Roohollah Alavi and Karim Faez*
15:10 - 15:30	**Nutrition Break - ECS Lobby (101)**					

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Thursday August 23, 2007

TRACK	T31 - ECS 130	T32 - ECS 128	T33 - ECS 104	T34 - ECS 108	T35 - ECS 124	T36 - ECS 116
	Network Security	**Data Mining**	**Image Processing I**	**OFDM I**	**Ultra-wideband**	**Processor Design Issues**
Session Chair	**Mohamed Fayed**	**Alex Thomo**	**Hamed Elsimary**	**Heung-Gyoon Ryu**	**Chris Snow**	**Watheq El-Kharashi**
15:30-15:50	Intrusion Detection using a PCB and IP address	Identifying Topics by using Word Distribution	Feature Point Correspondence of Stereo Images by Monogenic Phase	A PAPR Reduction Method using Constraint Code in Multicode CDMA System	On the Performance of Time-Hopping PPAM UWB Multiple Access Communications Over Nakagami-m Fading Channels	A New Dynamic Routing Algorithm for Networks-on Chips
Author(s)	*JangSu Park, Byoungchul Ahn, and Haengrae Cho*	*Motoi Nakayama and Takao Miura*	*Kunio Takaya*	*Heung-Gyoon Ryu, Sang-Kyun Kim , Seung-Eun Lee , and Cheng-Xiang Wang*	*Hao Zhang and T. Aaron Gulliver*	*Mohamed Sabry , Mohamed Watheq El-Kharashi, and Hassan Shehata Bedor*
15:50-16:10	Performance Analysis of IP Traceback Systems with Serial and Parallel Control Schemes	Estimating The Date of Blog Authors by CRF	Pipelined Orientation Estimation in Fingerprint Images	A Side Information Embedded PTS Scheme in the OFDM Communication System	On the Capacity of Non-Orthogonal Pulse Position Modulation for Time-Hopping UWB Communications	An Efficient Power-Aware Scheduling Algorithm in Real Time System
Author(s)	*Keisuke Takemori and Shoichi Endo*	*Masataka Izumi , Takao Miura, and Isamu Shioya*	*E. Alibeigi, S. Samavi, Z. Rahmani, and S. Shirani*	*Heungg-Gyoon Ryu, Seon-Ae Kim , and Cheng-Xiang Wang*	*Hao Zhang , Wei Li, and T. Aaron Gulliver*	*Hyekseong Kweon, Younggu Do, Jaejeong Lee, and Byoungchul Ahn*
16:10-16:30	Detection of HTTP-GET flood Attack Based on Analysis of Page Access Behavior	Identifying Text Objects based on Expansion	Face Recognition Using Multiscale Gabor Wavelet	A Low Complexity SLM-Based Radix FFT Method for PAPR Reduction in OFDM Systems	WiMAX Interference to MB-OFDM UWB Systems	On-Chip Hardware Support for Similarity Measures
Author(s)	*Takeshi Yatagai, Takamasa Isohara, and Iwao Sasase*	*Kohta Ohkubo and Takao Miura*	*Lin Huang and Wenjing Zhang*	*Abolfazl Ghassemi and T. Aaron Gulliver*	*Chris Snow, Lutz Lampe , and Robert Schober*	*Darshika G. Perera and Kin Fun Li*
16:30-16:50	Rejecting Spam during SMTP Sessions	An Adaptive User-Genre-Item Model for Collaborative Filtering	Person Recognition Using Features of Still Face Images and Text-independent Speeches	β-complementary Sequences and Peak-to-Mean Envelope Power Ratio Reduction in OFDM	Acquisition Techniques at Symbol Sampling Rate for UWB Communications	High Level Fixed Point VLSI Design with Automate Clock Gating
Author(s)	*Muhammad Nadzir Marsono, Mohamed Watheq El-Kharashi, and Fayez Gebali*	*Jin-Min Yang and Kin Li*	*Lin Huang, Hanqi Zhuang, and Wenjing Zhang*	*Wen Chen and Chintha Tellambura*	*Xia Cheng and Anh Dinh*	*Nainesh Agarwal and Nikitas Dimopoulos*
16:50-17:10	The Impact of Google Hacking on Identity and Application Fraud	A Feedback Method of Improving the Performance of a Document Vector Space Developed on a Feature Extraction Model	Dynamic MRF Solution for Estimating Optical Flow	Avoiding PAPR degradation in Convolutional Coded OFDM Signals	LDPC Codes for High Data Rate Multiband OFDM Systems over 1Gbps	A Structural Architecture for HW Packet Processing
Author(s)	*Amany Abdelhalim and Issa Traore*	*Kosuke Takano, Chen Xing , and Keisuke Masuda*	*Nurul Arif Setiawan, Dhi Aurrahman , and Chil Woo Lee*	*Emma Frontana and Ivan Fair*	*Daisuke Abematsu, Tomoaki Ohtsuki, Tsuyoshi Kashima, and Sigit P. W. Jarot*	*Harald Widiger, Stephan Kubisch , and Dirk Timmermann*
17:10-17:30		Domain Dependent Word Segmentaion Based on Conditional Random Fields	Steganalysis of Pixel-Value Differencing Steganographic Method	Partial Transmit Sequences for Peak-to-Average Power Ratio Reduction of OFDM with Space-Time/Frequency Coding	Effect of Imperfect Channel Estimation on the Performance of UWB-IR with Frequency-Domain Equalization (FDE) and Cyclic Prefix (CP) Reconstruction	Development of a Co-Design Learning Environment
Author(s)		*Takuya Fukuda , Masataka Izumi , and Takao Miura*	*Vajiheh Sabeti, Shadrokh Samavi, Mojtaba Mahdavi, and Shahram Shirani*	*Trung Thanh Nguyen, and Lutz Lampe*	*Shintaro Yoshida and Tomoaki Ohtsuki*	*Shawn F. McGinn and Kenneth B. Kent*
18:00 PM	**Dinner - University Club**					

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Friday August 24, 2007

TRACK	F11 - ECS 130 **Newtworking II**	F12 - ECS 128 **Media Processing**	F13 - ECS 104 **Audio/Speech Processing**	F14 - ECS 108 **Wireless Systems II**	F15 - ECS 124 **Coding I**
Session Chair	**Tomoki Yoshihisa**	**Ali Shoja**	**Mihai Sima**	**Rui Dinis**	**David Haccoun**
8:50-9:10	Optimal LSP selection method in MPLS networks	A Latency-Estimation Method for Software-Based MPEG-4 Video Streaming Systems using Gigabit Ethernet	Speech Activity Detection with Lip Movement Image Signals	Mobile User Tracking Algorithm via Velocity Estimation for Microcellular Urban Environment	Line Coding for Clock Recovery with Minimal Filtering
Author(s)	*Shin-ichi Kuribayashi and Shigehiro Tsumura*	*Yasuyuki Miura and Michiaki Katsumoto*	*Soo-jong Lee, Jun Park, and Eung-Kyeu Kim*	*A. Kohansal, N. Mirmotahhary, H. Zamiri-Jafarian, and M. M. Mirsalehi*	*Zuojian Song and Yoshitaka Takasaki*
9:10-9:30	Sorting AR*-tree: Further Improving the Performance of Partially-dimensional Range Queries	HCI(Human Computer Interaction) Using Multi-touch Tabletop Display	Hardware-software co-design of G729 voice encoder using Virtex-II Pro™ FPGA	Downlink Beamforming Under Individual SINR and Per Antenna Power Constraints	A Bandwidth Efficient Constant Envelope Modulation with Reed-Solomon Coding
Author(s)	*Yaokai Feng, Kunihiko Kaneko, and Akifumi Makinouchi*	*Jangwoon Kim, Jaewan Park, HyungKwan Kim, and Chilwoo Lee*	*Sara Najafzadeh, Mohammad Reza Ghajar, Afsaneh Nassery, and Behjat Forouzandeh*	*Yakup K. Yazarel and Defne Aktas*	*Douglas Hermes and Frank Kragh*
9:30-9:50	Generalized Cover-Free Families for Topology-Transparent Channel Assignment	A Design and Implementation of Low Power Management for Personal Multimedia Systems	Evaluation of Optimum Multi-Channel Implementation of CS-ACELP Codec on TMS320C6205	A new routing protocol for reducing the probability of route breakage in Mobile Ad-hoc Networks	Implementation of a Flexible Encoder for Structured Low-Density Parity-Check Codes
Author(s)	*Charles Colbourn , Peter Dukes, and Violet Syrotiuk*	*Jaejeong Lee, Byoungchul Ahn, Dong Ha Lee, and Sang Heon Lee*	*Sara Najafzadeh, Mohammad Reza Ghajar, Afsaneh Nassery, and Behjat Forouzandeh*	*Somayyeh Kalhor, Mohammad Anisi, and Abulfazl Haghighat*	*Sunitha Kopparthi and Don Gruenbacher*
9:50-10:10	A Dynamic Layer Management Scheme for a Superpeer Ring with a Loosely-Consistent DHT	An Automatic Creation Method of the Query Vector for the Semantic Associative Search Corresponding to the Impression of Sound of Arbitrary Words	Difference Closeness Function for Eye Array		A Graph Approach to the Structural Analysis of Simplified Convolutional Self-Doubly-Orthogonal Codes
Author(s)	*Saeyoung Han and Sungyong Park*	*Hidenori Homma, Takafumi Nakanishi , and Takashi Kitagawa*	*Hedayat Alghassi, Shahram Tafazoli, and Peter Lawrence*		*Yu-Cheng He, David Haccoun, and Christian Cardinal*
10:10 - 10:30	**Nutrition Break - ECS Lobby (101)**				

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Friday August 24, 2007

TRACK	F21 - ECS 130	F22 - ECS 128	F23 - ECS 104	F24 - ECS 108	F25 - ECS 124
	Networking III	**Parallel & Distributed Processing**	**Image Processing II**	**OFDM II**	**Coding II**
Session Chair	**Ted Szymanski**	**Munenori Kai**	**Wu-Sheng Lu**	**Michael McGuire**	**Ivan Fair**
10:30-10:50	A Basic Study of a File Delivery Scheduling in a Hop by Hop File Delivery System on One Link Model	OMCPS: Optimized Middleware for a Content-based Publish/Subscribe Architecture	An Effective Termination Criterion for the Rudin-Osher-Fatemi Algorithm for Image Restoration	Fractional Sampling OFDM/OQAM-IOTA on Multipath Channel With Long Delay Spread	When Can Interleaving Be Avoided for Reed-Solomon Coded Binary Markov Channels ?
Author(s)	*Hiromi Tsurumi, Takamichi Miyata , Katsunori Yamaoka, and Yoshinori Sakai*	*Antonio-Javier Garcia-Sanchez, Felipe Garcia-Sanchez, Pablo Pavon-Marino, and Joan Garcia-Haro*	*Haoran Zhang and Wu-Sheng Lu*	*Tsubasa Tamura and Yukitoshi Sanada*	*Haider Al-Lawati, Fady Alajaji, and Cecilio Pimentel*
10:50-11:10	Delivery of Guaranteed Rate Internet Traffic with Very Low Delay Jitter	Leveraging Conceptual Models of Trust in Automated Systems to Promote 'Appropriate Trust' in Autonomic Systems	Restoration of Corrupted Region and Segmentation	OFDM Interference Suppression for DS/SS Systems using Complex FIR Filter	On Construction of Concatenated Low-Density Generator Matrix Codes
Author(s)	*Ted Szymanski, and Dave Gilbert*	*Qin Zhu, Dylan Dawson, Priyanka Agrawal, and Hausi A. Müller*	*Jonghyun Park, Nguyen Dinh Toan, and Gueesang Lee*	*Yuki Shimizu and Yukitoshi Sanada*	*Yusuke Kumano and Tomoaki Ohtsuki*
11:10-11:30	Multicast Video-on-Demand Service in an Enterprise Network with Client-Assisted Patching	An Architecture and Performance of Maestro3 Cluster Network	Image Resolution Conversion Based on an Edge-Adaptive Interpolation Kernel	A Cost Minimization Algorithm for a Multiuser OFDM Cognitive Radio System	Four Intuitive Messages for LDPC Codes
Author(s)	*S. M. Farhad and M.M. Akbar*	*Hajime Kuribayashi, Koji Yasuda, Keiichi Aoki, Koichi Wada, and Masaaki Ono*	*Takashi Mori, Keisuke Kameyama, Yasuhiro Ohmiya, Jia Lee, and Kazuo Toraichi*	*Tao Qin and Cyril Leung*	*Young Gil Kim and Norman Beaulieu*
11:30-11:50	A Window Flow Control Method for Volume Data Transfer to Achieve Throughput Close to Reserved Bandwidth in Diffserv AF Networks	A Framework for Meta-Scheduling WSRF-based Services	Patch Map for Fast Texture Synthesis	An Iterative Decision Feedback Algorithm using the Cholesky Update for OFDM with Fast Fading	Improved Iterative Bit Flipping Decoding Algorithms for LDPC Convolutional Codes
Author(s)	*Naoto Ikeda, Masaaki Noro, Ken-ichi Baba, and Shinji Shimojo*	*Kohei Ichikawa, Susumu Date, and Shinji Shimojo*	*Xiong Changzhen, Zou Jiancheng, Guo Fenhong, and Qi Dongxu*	*Ping Wan and Michael McGuire*	*Xin Sheng Zhou, Bruce F. Cockburn, and Stephen Bates*
11:50-12:10	Degree-Constrained ALM Tree Construction Algorithm for Heterogeneous Access Environment	A Code Transformation Method For Strong Migration Mobile Agent	Multi-domain-based Automatic Image Representation Using Semantic Tolerance Relation Models	Performance of Equal Power Subchannel Loading in Multiuser OFDM systems	
Author(s)	*Eiji Takahashi, Toru Osuga, Kunihiro Taniguchi, and Naoki Wakamiya*	*Yasuki Sakurai, Masatoshi Takubo, Fumiaki Kato, and Munenori Kai*	*Ying Dai*	*Yonghong Zhang and Cyril Leung*	
12:10 - 13:30	Lunch - ECS Lobby (101)				

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Friday August 24, 2007

TRACK	F31 - ECS 130 **Traffic Scheduling**	F32 - ECS 128 **Video Coding**	F33 - ECS 104 **Medical and Holographic Image Processing**	F34 - ECS 108 **OFDM III**	F35 - ECS 124 **Miscellaneous Signal Processing**
Session Chair	**Iwao Sasase**	**Jie Liang**	**Alexandra Branzan Albu**	**Tomoaki Ohtsuki**	**Parameswaran Ramachandran**
13:30-13:50	Packet Scheduling Algorithm with Modified Time-Utility Function to Improve NRT Throughput in OFDMA System	Multiple Description Coding Of Video Using Phase Scrambling	Medical Image Segmentation Using a Geometric Active Contour Model Based on Level Set Method	Groupwise Recursive Channel Estimation for Space-Frequency Block Coded OFDM Systems in Doubly Selective Fading Channels	Average Aliasing Error for General Prefiltering Based on Shift Invariant Spaces
Author(s)	Yusuke Shimizu, Rui Zhou,and Iwao Sasase	Seyed Parsa Hojjat, Sina Fazelpour, and Shahram Shirani	MyungEun Lee, SoonYoung Park, WanHyun Cho,and SooHyung Kim	Siva D. Muruganathan, Tung X. Lai, and Abu B. Sesay	Wen Chen
13:50-14:10	A Hybrid Broadcast Scheduling for Mobile Data Broadcasting with Return Channels	H.264 Intra Frame Coding and JPEG 2000-based Predictive Multiple Description Image Coding	Pectoral Muscle Segmentation on Digital Mammograms by Nonlinear Diffusion Filtering	Performance of Pilot Symbol Assisted Channel Estimation Techniques for Uplink MC-CDMA Systems using MMSE Receiver	Mixed-mode Implementation of Particle Filters
Author(s)	Sujeong Choi, Sang Hyuk Kang, and Yoon Goo Nam	Jing Wang, and Jie Liang	H. Mirzaalian, M. R. Ahmadzadeh, and S. Sadri	Aditya Trivedi and Rekha Gupta	Rajbabu Velmurugan, Shyam Subramanian , Volkan Cevher , James McClellan, and David Anderson
14:10-14:30	Multi-Flow Merging Gain in Scheduling for Flow-Based Wireless Networks	Frame-Accurate Video Cropping in Compressed MPEG Domain	Speckle Suppression in Medical Ultrasound Images Using Two Dimensional GARCH Model	Joint Time Domain Channel and Channel Length Estimation for OFDM Systems	A Comparative Study on Wearable Sensors for Signal Processing on the North Indian Tabla
Author(s)	Chi En Huang and Cyril Leung	Mohamed Rehan and Pan Agathoklis	Maryam Amirmazlaghani and Hamidreza Amindavar	Min Jia, Zhen-Yong Wang , and Xue-Mai Gu	Manjinder Benning, Ajay Kapur, Bernie Till, George Tzanetakis, and Peter Driessen
14:30-14:50	Effect of traffic conditions on scheduling algorithms in a cross-layer downlink model		Optimizing Reconstruction Resolution for Weak-phase Object in Lensless Holographic Imaging	A Novel Timing and Frequency Synchronization Based on Symmetrical & Conjugate Prefix in OFDM System	
Author(s)	Deepali Arora		Jun Wan, Adekunle Adeyemi, and Thomas Darcie	Hewei Yu	
14:50-15:10	A Weighted-Selective Scheduling Scheme in an Open Software Radio Environment				
Author(s)	Kan Zheng, Gang Li, and Lin Huang				
15:10 - 15:30	Nutrition Break - ECS Lobby (101)				