

Preliminary Program

Tuesday, 18 May 2004	
Time	Sessions
16:00-18:00	Conference On-Site Registration
Wednesday, 19 May 2004	
8:00-9:00	Conference On-Site Registration
9:00-9:30	Welcome
Venue	Ballroom
9:30-10:30	Invited talk: (Prospective) Optical Networking and Building Canada's i-Infrastructure <i>Bill St. Arnaud</i>
10:30-10:45	Morning Break
MOBILE COMMUNICATION SYSTEMS 1	
10:45-11:10	FAÇADE-A FrAmework for Context-aware Content Adaptation and DELivery <i>B. Kurz, S. Gallacher, and I. Popescu</i>
11:10-11:35	A Study of Retrodirective Array Performance in the Presence of Multipath <i>C. Loadman and Z. Chen</i>
11:35-12:00	Self-limiting, Adaptive Protocols for Controlled Flooding in Ad Hoc Networks <i>L. Hughes and Y. Zhang</i>
12:00-13:00	Lunch
COMMUNICATION SYSTEMS	
13:00-13:25	Compensation of Nonlinear Distortions with Memory Effects in Digital Transmitters <i>T. Wang and J. Ilow</i>
13:25-13:50	An Application of Multi-wavelet Packets in Digital Communications <i>M. You and J. Ilow</i>
13:50-14:15	Practical Design of Single Feed Truncated Corner Microstrip Antenna <i>M. Niroojaz and M. Naghi Azarmanesh</i>
ARCHITECTURES FOR COMBINED VOICE AND DATA SOURCE	
14:15-14:40	Similarities between Voice and High Speed Internet Traffic Provisioning <i>R. McGorman, J. Almhana, V. Choulakian, Z. Liu, and W. Jedidi</i>
14:40-15:05	LRRP SpeechWebs <i>R. Frost, N. Abdullah, K. Bhatia: S. Chitte: F. Hanna, M. Roy, Y. Shi, and L. Su</i>
15:05-15:30	Multi-agent System for Multimedia Communications Traversing NAT/Firewall in Next Generation Networks <i>Xiantai Gou and Weidong Jin</i>
15:30-15:45	Afternoon Break
WEB INFORMATION RETRIEVAL AND MANAGEMENT I	
15:45-16:10	A Language for Wireless Sensor Webs <i>B. G. Nickerson and J. Lu</i>
16:10-16:35	Weighted PageRank Algorithm <i>W. Xing and Ali A. Ghorbani</i>
16:35-17:00	A Topic Sharing Infrastructure for Weblog Networks <i>S. Paquet and P. Pearson</i>
17:00-17:25	Improving the Referrer-based Web Log Session Reconstruction <i>M. Nadjarbashi-Noghani and Ali A. Ghorbani</i>
17:25-18:00	Break
18:00- 19:00	Reception

Thursday, 20 May 2004

Venue	Governor's	Ballroom
8:45-9:45	Invited Talk: Vision, Current Status, Opportunities and Challenges of Software Defined Radio <i>Mark Cummings</i>	
9:45-10:00	Morning Break	
	ALGORITHMS AND PROTOCOL DESIGN AND ANALYSIS I	EMERGING COMMUNICATION TECHNOLOGIES I
10:00-10:25	Performance of Generative Programming Based Protocol Implementation <i>Zheyin Li and Michel Barbeau</i>	On the Performance and Policies of Mobile Peer-to-Peer Network Protocols <i>T. Qiu and I. Nikolaidis</i>
10:25-10:50	Petri Net Approach to Improving SACK TCP Resilience <i>Qiang Ye and Mike H. MacGregor</i>	Adaptive Filtering of SPAM <i>L. Pelletier, J. Almhana and V. Choulakian</i>
10:50-11:15	An Energy Efficient MAC Protocol for IEEE 802.11 WLANs <i>Shih-Lin Wu and Pao-Chu Tseng</i>	On Dataset Biases in a Learning System with Minimum A Priori Information for Intrusion Detection <i>G. Kayacik, M. I. Heywood and N. Zincir-Heywood</i>
11:15-11:40	Trusted Route Discovery with TORA Protocol <i>Asad Amir Pirzada and Chris McDonald</i>	Network Intrusion Detection Using an Improved Competitive Learning Neural Network <i>J. Lei and Ali A. Ghorbani</i>
11:40-12:05	An Efficient Key Management for Large Dynamic Groups <i>Y. Wang, J. Li, L. Tie, and Q. Li</i>	Recursive EM Algorithm for Finite Mixture Models with Applications to Internet Traffic Modeling <i>Z. Liu, J. Almhana, V. Choulakian, and R. McGorman</i>
12:05-13:00	Lunch	
	MOBILE COMMUNICATION SYSTEMS II	ALGORITHMS AND PROTOCOL DESIGN AND ANALYSIS II
13:00-13:25	An Authenticated Broadcasting Scheme for Wireless Ad Hoc Network <i>M. Bohio and A. Miri</i>	CDMA Downlink Rate Allocation for Heterogeneous Traffics Based on Utility Function: GA-SA Approach <i>W. Zhao and M. Lu</i>
13:25-13:50	Mobile IP Performance and Interworking Architecture in 802.11 WLAN/CDMA2000 Networks <i>A. Saleh</i>	PBit - A Pattern-based Testing Framework for IPtables <i>Y. Du and D. Hoffman</i>
13:50-14:15	Performance Evaluation of Service Discovery Strategies in Ad Hoc Networks <i>H. Luo and M. Barbeau</i>	CSN: A Network Protocol for Serving Dynamic Queries in Large-Scale Wireless Sensor Networks <i>M. Ali and Z. A. Uzmi</i>
14:15-14:40	Partial Weight Multistage Interference Cancellation for Reverse Link MC-CDMA System Using Pilot Assisted Channel Estimation <i>S. Kunaruttanapruk and S. Jitapunkul</i>	A Micro-Genetic Algorithm Based CDMA Multi-user Detector <i>M.S. Al-Sawafi and J. Jervase</i>
14:40-15:05	The Novel Decision Feedback Equalizer for OFDM System with Insufficient Cyclic Prefix <i>Suwich Kunaruttanapruk and Somchai Jitapunkul</i>	
15:05-15:20	Afternoon Break	

Thursday, 20 May 2004

Venue	Governor's	Ballroom
	WEB INFORMATION RETRIEVAL AND MANAGEMENT II	POSTER
15:20-15:45	The Reconstruction of User Sessions from a Server Log Using Improved Time-oriented Heuristics <i>J. Zhang and Ali A. Ghorbani</i>	<ul style="list-style-type: none"> • Mesh Partitioning for Computational Grids <i>R. Wanschoor and E. Aubanel</i> • Frequency Multiplication and QPSK Modulation with Subharmonic Injection-locked Active Antenna <i>X. Zeng and Z. Chen</i> • The Effectiveness of Brute Force Attacks on RC4 <i>N. Couture and K. B. Kent</i> • Provision of QoS in Wireless Networks <i>J. Grewal and J. DeDouce</i> • Software Brokers for Quality of Services in Service-Oriented Distributed Systems <i>J. Xu and W. Du</i> • Remote Sign Language Interpretation Using the Internet <i>G. Hughes, B. Hudgins and J. MacDougall</i> • Performance Analysis of Audio Codes over Real-Time Transmission Protocol (RTP) For Voice Services over Internet Protocol <i>J. L. Thompson and A. Bhuvaneshwari</i> • Integrating Service Discovery Protocols with Presence-based Communications for Ad Hoc Collaborative Scenarios <i>R. Liscano, A. Ghavam and M. Barbeau</i>
15:45-16:10	A Comparative Study of Naming, Resolution & Discovery Schemes for Networked Environments <i>U. Bukhari and F. Abbas</i>	
16:10-16:35	Transcoding Proxy Placement in En-Route Web Caching <i>K. Li and H. Shen</i>	
16:35-17:00	A Validation Solution for Network Configuration <i>R. Deca, O. Cherkaoui and D. Puche</i>	
18:30	Banquet	

Friday, 21 May 2004

Venue	
9:00-10:00	Invited Talk: Amir K. Khandani
10:00-10:10	Morning Break
	EMERGING COMMUNICATION TECHNOLOGIES III
10:10-10:35	Developing Multitier Lightweight Techniques for Protecting Medical Images within Ubiquitous Environments M. Sabah, J. Fiaidhi and L. Yang
10:35-11:00	Fast Flow Classification over Internet A. Oveissian, K. Salamatian, A. Soule, and N. Taft
11:00-11:25	Intelligent Agents for Routing on Mobile Ad-Hoc Networks Y. Zhou and A. N. Zincir-Heywood
11:25-11:50	Intelligent Ants for Adaptive Network Routing H. Yun and A. N. Zincir-Heywood
11:50-12:15	Performance Analysis of Multicast-based Localized Mobility Support Scheme in IPv6 Networks H.-S. Jun and M. Woo