



15th IEEE International Conference on Network Protocols
October 16-19, 2007
The Westin Beijing, Financial Street, Beijing, CHINA



ICNP 2007 Conference Program

	Oct 17,2007 Wednesday	Oct 18,2007 Thursday	Oct 19,2007 Friday
08:30-10:00	Opening & Keynote Speech	Session IV --- Wireless LANs	Keynote Speech(9:00)
10:00-10:30	Coffee Break	Coffee Break	Coffee Break
10:30-12:00	Session I --- Wireless mesh networks	Poster Session	Session VII --- Protocol implementation
12:00-13:30	Lunch Break	Lunch Break	Lunch Break
13:30-15:00	Session II --- Sensor and RFID networks	Session V --- Network security	Session VIII --- Firewalls and privacy
15:00-15:30	Coffee Break	Coffee Break	Closing
15:30-17:00	Session III --- Interdomain routing	Session VI --- Rate and congestion control	
17:00-18:00	TPC Meeting	PANEL DISCUSSION	
18:00-20:00	TPC Dinner	Conference Banquet (15th anniversary)	

Tuesday, October 16, 2007

08:00 - 16:00	Registration Open
07:30 - 08:30	Continental Breakfast
08:30 - 15:30	NPsec Workshop
17:00 - 19:00	Welcome Reception

Wednesday, October 17, 2007

08:00 - 16:00	Registration Open (Outside Treasury Ballroom)
07:30 - 08:30	Continental Breakfast
08:30 - 09:00	Opening Session
	2007 IEEE Internet Award
09:00 - 10:00	Keynote Speech
	Internet Video: New Wine, Old Bottle (Prof. Hui Zhang, CMU)
10:00 - 10:30	Coffee Break (Outside Treasury Ballroom)
10:30 - 12:00	Session I --- Wireless mesh networks
	Session Chair: Baochun Li
	University of Toronto, Canada
	<ul style="list-style-type: none"> • Multicast Algorithms for Multi-channel Wireless Mesh Networks. G. Zeng, B. Wang, Y. Ding, L. Xiao, M. Mutka (Michigan State U, USA) • Throughput Maximization in Multi-Channel Wireless Mesh Access Networks. Y. Song, C. Zhang, Y. Fang (U of Florida, USA)

	<ul style="list-style-type: none"> Identifying High Throughput Paths in 802.11 Mesh Networks: a Model-based Approach T. Salonidis (Thomson, France), M. Garetto (Universita di Torino, Italy), A. Saha (Tropos Networks, USA), E. Knightly (Rice U, USA) Cooperation Between Stations in Wireless Networks A. Forte, H. Schulzrinne (Columbia U, USA)
12:00 - 13:30	Lunch Break
13:30 - 15:00	Session II --- Sensor and RFID networks Session Chair: Wen Su Institute for Infocomm Research, Singapore
	<ul style="list-style-type: none"> A Probabilistic Coverage Protocol for Wireless Sensor Networks M. Hefeeda, H. Ahmadi (Simon Fraser U, Canada) Coverage Without Location Information O. Younis (Telcordia, USA), M. Krunz, S. Ramasubramanian (U of Arizona, USA) Slotted Scheduled Tag Access in Multi-Reader RFID Systems Z. Zhou (Ask.com), H. Gupta, S. Das, X. Zhu (Stony Brook U, USA) Greedy Virtual Coordinates for Geographic Routing B. Leong (National U of Singapore), B. Liskov, R. Morris (MIT, USA)
15:00 - 15:30	Coffee Break (Outside Treasury Ballroom)
15:30 - 17:00	Session III --- Interdomain routing Session Chair: Lan Wang University of Memphis, USA
	<ul style="list-style-type: none"> Understanding Route Redistribution F. Le (Carnegie-Mellon U, USA), G. Xie (Naval Postgraduate School, USA), H. Zhang (Carnegie-Mellon U, USA) Inferring the Origin of Routing Changes using Link Weights M. Lad, R. Oliveira (UCLA, USA), D. Massey (Colorado State U, USA), L. Zhang (UCLA, USA) Geographically Informed Inter-domain Routing R. Oliveira, M. Lad (UCLA, USA), B. Zhang (U of Arizona, USA), L. Zhang (UCLA, USA) Lexicographic Products in Metarouting A. Gurney, T. Griffin (U of Cambridge, UK)
17:00-18:00	TPC Meeting
18:00-20:00	TPC Dinner

Thursday, October 18, 2007

08:00 - 16:00	Registration Open (Outside Treasury Ballroom)
07:30 - 08:30	Continental Breakfast
08:30 - 10:00	Session IV --- Wireless LANs Session Chair: Teruo Higashino Osaka University, Japan
	<ul style="list-style-type: none"> PSM-throttling: Minimizing Energy Consumption for Bulk Data Communications in WLANs E. Tan, L. Guo (Ohio State U, USA), S. Chen (George Mason U, USA), X. Zhang (Ohio State U, USA) Traffic-Aware Channel Assignment in Enterprise Wireless LANs E. Rozner, Y. Mehta (U of Texas at Austin, USA), A. Akella (U of Wisconsin at Madison, USA), L. Qiu (U of Texas at Austin, USA) Adaptive Optimization of Rate Adaptation Algorithms in Multi-Rate WLANs J. Choi, J. Na (Seoul National U, Korea), K. Park (Purdue U, USA), C. Kim (Seoul National U, Korea) Scheduled PSM for Minimizing Energy in Wireless LANs Y. He, R. Yuan (Tsinghua U, China), X. Ma, J. Li, C. Wang (Thomson)
10:00 - 10:30	Coffee Break (Outside Treasury Ballroom)

10:30 - 12:00	Poster Session
	<ul style="list-style-type: none"> • PL-Gossip: Area Hierarchy Maintenance in Large-Scale Wireless Sensor Networks K. Iwanicki (Vrije Universiteit, The Netherlands; DevLab, The Netherlands), M. van Steen (Vrije Universiteit, The Netherlands) • Towards Coding-Efficient Link-Scheduling and Coding-Aware Routing in Wireless Networks J. Le, J. Lui, D. Chiu (Chinese University of Hong Kong, Hong Kong, China) • Supporting VCR in Peer-to-Peer Video-On-Demand Y. He, Y. Liu (Hong Kong University of Science and Technology, Hong Kong, China) • FRASA: Feedback Retransmission Approximation for the Stability Region of Finite-User Slotted ALOHA K. Hui, O. Yue, W. Lau (The Chinese University of Hong Kong, Hong Kong, China) • Price of Asynchrony: Queuing under Ideally Smooth Congestion Control M. Podlesny, S. Gorinsky (Washington University, USA) • Distributed Delay Estimation and Call Admission Control in IEEE 802.11 WLANs K. Yasukawa (Tokyo Institute of Technology, Japan), A. Forte, H. Schulzrinne (Columbia University, USA) • Network Court Protocol and Malicious Node Conviction N. Li, D. Lee (The Ohio State University, USA) • A Game Theoretic Framework of Distributed Power and Rate Control in IEEE 802.11 WLANs L. Chen, J. Leneutre (Ecole Nationale Supérieure des Telecommunications, France) • A Lightweight Online Network Anomaly Detection Scheme Based on Data Mining Methods Y. Li, B. Fang (Institute of Computing Technology, Chinese Academy of Sciences, China) • An Entropy-based Throughput Metric for Fairly Evaluating WSN Routing Protocols T. AL-khdour, U. Baroudi (KFUPM, Saudi Arabia)
12:00 - 13:30	Lunch Break
13:30 - 15:00	Session V --- Network security Session Chair: Zhi-li Zhang University of Minnesota
	<ul style="list-style-type: none"> • Network-based and Attack-resilient Length Signature Generation for Zero-day Polymorphic Worms Z. Li (Northwestern U, USA), L. Wang (Tsinghua U, China), Y. Chen (Northwestern U, USA), Z. Fu (Motorola Labs, USA) • A Poisoning-Resilient TCP Stack A. Mondal and A. Kuzmanovic (Northwestern U, USA) • Routing amid Colluding Attackers J. Eriksson (MIT, USA), M. Faloutsos, S. Krishnamurthy (UC Riverside, USA) • Loss and Delay Accountability for the Internet K. Argyraki (EPFL, Switzerland), P. Maniatis (Intel Research, USA), O. Irzak, S. Ashish (EPFL, Switzerland), S. Shenker (UC Berkeley, USA)
15:00 - 15:30	Coffee Break(Outside Treasury Ballroom)
15:30 - 17:00	Session VI --- Rate and congestion control Session Chair: Mohamed Hefeeda Simon Fraser University, Canada
	<ul style="list-style-type: none"> • Improving the Convergence and Stability of Congestion Control Algorithm X. Huang, C. Lin, F. Ren, G. Yang, P. Ungsunan, and Y. Wang (Tsinghua U, China)

	<ul style="list-style-type: none"> • TFRC Veno: An Enhancement of TCP Friendly Rate Control over Wired/Wireless Networks B. Zhou, C. Fu (Nanyang Technological U, Singapore), V. Li (U of Hong Kong, Hong Kong, China) • A Simple Model for Analyzing P2P Streaming Protocols Y. Zhou, D. Chiu, J. Lui (Chinese U of Hong Kong, China) • Best Effort Session-Level Congestion Control S. Ramesh(Microsoft, USA), S. Kaser (U of Utah, USA)
17:00-18:00	PANEL DISCUSSION by NSF
18:00-20:00	Conference Banquet (15th anniversary)

Friday, October 19, 2007

08:00 - 12:00	Registration Open (Outside Treasury Ballroom)
07:30 - 08:30	Continental Breakfast
09:00 - 10:00	Keynote Speech
	Prof. Hequan WU, Vice President of Chinese Academic of Engineering
10:00 - 10:30	Coffee Break (Outside Treasury Ballroom)
10:30 - 12:00	Session VII --- Protocol implementation Session Chair: Kenji Suzuki Univerity of Electro-Communications, Japan
	<ul style="list-style-type: none"> • HEXA: Compact Data Structures for Faster Packet Processing S. Kumar, J. Turner, P. Crowley (Washington U, USA), M. Mitzenmacher (Harvard U, USA) • A Performance Study of Loss Detection/Recovery in Real-world TCP Implementations S. Rewaskar, J. Kaur, F. Smith (U of North Carolina at Chapel Hill, USA) • TCAM Razor: A Systematic Approach Towards Minimizing Packet Classifiers in TCAMs C. Meiners, A. Liu, E. Torng (Michigan State U, USA) • Source Address Validation: Architecture and Protocol Design J. Wu, G. Ren, X. Li (Tsinghua U, China)
12:00 - 13:30	Lunch Break
13:30 - 15:00	Session VIII --- Firewalls and privacy Session Chair: Kevin Almeroth UC Santa Barbara
	<ul style="list-style-type: none"> • Design and Implementation of Cross-Domain Cooperative Firewall J. Cheng (UCLA, USA), H. Yang (IBM Research, USA), S. Wong(UCLA, USA), P. Zerfos(Deutsche Telekom Lab, Germany), S. Lu (UCLA, USA) • FireCracker: A Framework for Inferring Firewall Policies using Smart Probing T. Samak, A. El-Atawy, E. Al-Shaer (DePaul U, USA) • ALARM: Anonymous Location-Aided Routing in Suspicious MANETs K. El Defrawy, G. Tsudik(UC Irvine, USA) • Location Privacy in Sensor Networks Against a Global Eavesdropper K. Mehta, D. Liu, M. Wright (U of Texas at Arlington, USA)
15:00 - 15:30	CLOSING

Saturday, October 20, 2007

08:00 - 17:00	One-day free tour (optional) --- The great wall
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