

2007 World Wireless Congress

Stanford Park Hotel, May 21-23

Wireless Innovation for Next Decade

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Congress Program

Version 2.0

Chairman's Opening Speech – May 21st, 2007 (8:30am – 9:00am)

Willie W. Lu, Director of USCWC and Chairman of WWC'2007, USA
"Simplicity and Personality - Designing the Next Generation iPhone"

Keynote & Featured Speakers – May 21st, 2007 (9:00am – 5:00pm)

Alan Crouch, General Manager of Communication Technology Lab, **Intel**, USA

Andrea Goldsmith, Professor of **Stanford University** & CTO of **Quantenna**, USA

Stephane H. Maes, Director of Architecture, **Oracle**, USA

Jake MacLeod, Principal VP & CTO of **Bechtel** Communications, USA

Steve Jurvetson, Partner of **Draper Fisher Jurvetson**, USA

Paul Polakos, Director of Wireless Networks, **Alcatel-Lucent**, USA

Akira Arutaki, Associate. Senior VP, **NEC** Communication Systems, Japan

Qi Bi, Bell Labs Fellow of **Alcatel-Lucent**, USA

Steve Mailey, Director of **General Dynamics** Wireless, USA

Ronny Haraldsvik, Vice President of **Qualcomm**, USA

Bohdan Zabawskyj, CTO of **Redknee**, Canada

D. Jayaram, General Manager of **Navionics Systems Pvt Ltd**, India

Principal Technical Program – Oral Presentation – May 22nd, 2007 (8:00am – 5:00pm)

Yan Zhang & Prof. Masato Uchida	TCP Flow level Performance evaluation on packet combining Hybrid ARQ in evolved UTRA and UTRAN network	Kyushu Institute of Technology	Japan
Prof. Saewoong Bahk	Seamless Mobile IP handoff in All-IP Wireless Networks	Seoul National University	Korea
Prof. Stavros A. Kotsopoulos	A Modified Loo Model with Sectored and Three Dimensional Multipath Scattering	University of Patras	Greece
Prof. Abdul Q.K. Rajput	Design of Quality Ensuing, Real-time WLAN Tele-monitoring Healthcare System	Mehran University of Engineering and Technology	Pakistan
Prof. Younghwan Jin	Additional Diversity Gain coming from IQ imbalances in OFDM Receivers	Chungnam National University	Korea
Dr. Susan J. Lincke	An Investigation of Seamless Mobility from the Operational Perspective	University of Wisconsin	USA
Dr. Seyed Ali Ghorashi	Opportunistic Secondary Usage of Spectrum in CDMA-Based Systems	King's College London	U.K.
Dr. Zhikui Chen	A Strategy of Dynamic Authentication and Authorization in B3G/4G	University of Stuttgart	Germany
Prof. Giovanni Corazza	Defining the Role of Satellite Communications in 4G	University of Bologna	Italy
Dr. Su-En Tan	The Disruptiveness of Personal Networks on the Network Operator and the Device Manufacturer	Denmark Technical University	Denmark
Prof. Andres Navarro	WLAN's Access Points Java Based Automatic Location Tool	Icesi University	Colombia
Dr. Jijun Luo	Parameter Controlled Fairness Enhancement in an OFDMA System	Siemens AG	Germany
Dr. Sang-Jin Lee	Method on Spreading and Modulation Multiplexing in Mobile Satellite DMB	Yonsei University	Korea
Dr. Pei Xiao	High Data Rate Broadband Fixed Wireless Access with Multilevel Modulation	University of Newcastle	U.K.

Dr. Irina Cotanis	Aspects of Cost Effective Network Performance Management	Ericsson	USA
Dr. Simone Redana	A Novel Resource Request and Allocation Strategy for Relay based Beyond 3G Networks	Siemens	Italy
Dr. Todor Cooklev	Effects of Antenna and Multipath Frequency Selectivity on UWB Using Non-coherent FSK	San Francisco State University	USA
Dr. Noureddine Boulejfen	Prediction of Spectral Regrowth in Nonlinear Multicarrier Wireless Communication Systems	University of Hail	Saudi Arabia
Dr. Jinxia Cheng	A Novel Relay Selection Scheme for Turbo Coded Cooperative System	Samsung	China
Dean Knuth	Security Issues Associated With Wireless Communications	Northrop Grumman	USA
Dr. Gabriele Cecchetti	Providing Enhanced Framework to support QoS in Open Wireless Architecture	Scuola Superiore Sant'Anna	Italy
Prof. Paul Beckman	Security Usage in Large Accidental Wireless Networks	San Francisco State University	USA

Principal Technical Program – Oral Presentation – May 23rd, 2007 (8:00am – 12:00pm)

Robert Wesley	Cell Phone Technologies are the Retailers Emerging Tool of Choice for Building Mobile Relationship Marketing	Mobile Lime	USA
Vijay S. Anand	Framework for QoS Management and Session continuity for Dual-mode mobile terminals	Sasken Comm. Technologies	India
Dr. Duk Kyung Kim	Enhancing the Performance in UWB-based WPANs using Cooperative PNC Relaying	Inha University	Korea
Dr. Chin-Feng Lin	A 802.11n Wireless Medicine System	National Taiwan Ocean University	Taiwan
Debabrata Nayak	A proposed two factor authentication model for Wireless Mesh Networks	Motorola	India

Fabrizio Tomatis	Impact Of Resource Mapping On Semi-Blind Channel Estimation For LTE OFDMA	NXP Semiconductors	France
Nazanin Elhami-Khorasani	New Decoding Technique for Short Block Length Low-Density Parity-Check Codes	Concordia University	Canada
Jussi Pekka Äijänen	Load Balancing Algorithm For Downlink Extension Band	University of Jyvaskyla	Finland
Dr. Bohdan Zabawskyj	Next-Generation Policy Management & Rating Architectures for 4G Networks and Services	Redknee Inc.	Canada
Konstantinos D. Mpirkos	On the Intrinsic QoS Performance issues of a new proposed Multiple HAPs-based System Architecture	University of Patras	Greece
Lei Wang	A Peak Recovery System for Clipped OFDM Signals over a Fading Channel	Hanyang University	Korea

Senior Technical Tutorial Program - May 23rd, 2007 (12:00pm – 6:00pm)

“4G Mobile Technologies and Future Mobile Terminal Device Architecture”

Supplemental Senior Technical Program – Poster Presentation

Zhisong Bie	Algebraic Interleaver Design For IDMA Systems	Beijing University of Post & Telecom	China
Zhiqiang He	Proportional Fairness in OFDMA Systems : Upper, Lower Bounds and Reassignment Algorithm	Beijing University of Post & Telecom	China
Tianding Chen	A Effect of Bandwidth on Indoor UWB Radio Channels	Zhejiang University of Finance	China
Gang Yang	PAPR Reduction of OFDM Using Matrix Partition Interleaving (MPI)	Xidian University	China
Jianbai Wang	A Per-Flow Vertical Handover Protocol for Heterogeneous Wireless Networks	BeiHang University	China

Xiongwen Zhao	Indoor Path-loss Models Including LOS/NLOS Transition for B3G Radio Systems	Elektrobit	Finland
Jingyuan Sun	Uplink Capacity Enhancement in Two-Hop Cellular Networks	Beijing University of Post & Telecom	China
Wei Cui	Video Streaming over UWB vs WLAN	Nokia	Finland
Xuefen Zhang	Synchronization Scheme for SC-FDE System	Shandong Economic University	China
Hongxia Bie	RACH Design for Synchronized Users in OFDMA System	Beijing University of Post & Telecom	China
Linchun Li	A Loss-tolerant Secure Group Communication Protocol with Revocation Capability for Wireless Sensor Networks	Shanghai Jiaotong University	China
Wenjun Xu	A Grouped Resource Allocation Scheme in OFDMA Systems with Proportional Rate Constraints	Beijing University of Post & Telecom	China
Jun Gu	An Efficient Smooth Rate and Proportional Fair Scheduling Algorithm in OFDMA	Beijing University of Post & Telecom	China
Wenjun Xu	Joint Power and Subcarrier Allocation for an Uplink OFDMA System with Proportional Rate Constraints	Beijing University of Post & Telecom	China
Xu Xiaoxiao, Xie Xianzhong, Chen Xin	Digital IF Signal Processing in WIMAX	MII Labs of Mobile Communication	China
Willie W. Lu	An Open Baseband Processing Architecture For 4G-OVA Mobile Terminal Design	U.S. Ctr. For Wireless Comm.	USA

Other papers will be published only without presentation in the congress

