

SUNDAY 21 MARCH 2004

9:00-17:30	T1. Orthogonal Frequency Division Multiplexing for Wireless Communications (room C201)		T2. UWB Radio Technology (room C202)			T3. Wireless Networking and Mobile Systems: A Hands-on Tutorial (room C203)				
9:00-12:30	T4. Coding for Multiple Antenna Systems (room C204)	T5. UltraWideband Communications: A Technology whose Time has Come (room C205)	T6. Technical Briefing on Mobile All IP Service Architecture Options (room C206)	T7. Implementing QoS for IP-Based Services in Wireless Environment (room C207)	T8. Signal Processing for Random Access in Wireless Networks: A Cross-Layer Approach (room C208)					
12:30-14:00	Lunch is included for attendees of Full Day Tutorials and Attendees taking both a morning and afternoon tutorial.									
14:00-17:30	T9. Low Density Parity Check Codes (room 204)	T10. Smart Antennas for Wireless Systems (room 205)	T11. Broadband Wireless IP through Integration of Wireless LAN and Cellular Systems (room 206)	T12. Ad Hoc Wireless Networks (room 207)	T13. Mobile and Wireless Broadband Networks Management (room 208)					

MONDAY 22 MARCH 2004

9:00-13:30	CTIA WIRELESS Keynote and Trade Show - Building B									
13:30-15:00	WCNC Keynotes Room C202-204									
15:30-17:00	Joint Session: Global Network Evolution (room B308, building B)									
17:30-20:00	WCNC Welcome Reception, sponsored by Verizon Wireless. Buses depart at 17:00									

TUESDAY 23 MARCH 2004

Note: BAS sessions will run in parallel to Technical Sessions on **Tuesday 23 March – Thursday 25 March 2004**

8:30-10:30	A01 Channel Modeling 1: Estimation (room 201)	A02 Modulation and Detection 1: Multiuser Detection (room 202)	A03 Performance Analysis 1: Modulation (room 203)	A04 MIMO 1: MIMO/OFDM Systems (room 204)	A05 Ad Hoc Networks 1 (room 205)	A06 Mobile IPv6 (room 207)	A07 Location Management (room 208)	A08 WLAN/WPAN 1 (room 209)	A09 Infrastructure-based Multihop Networks 1 (room 210)	A10 Mobility Management 1 (room 211)
10:30-11:00	Networking Break									
11:00-12:30	A11 Channel Modeling 2 (room 201)	A12 Modulation and Detection 2: Diversity Combining (room 202)	A13 Performance Analysis 2: Diversity Combining (room 203)	A14 MIMO 2: Capacity Analysis (room 204)	A15 Ad Hoc Networks 2: Physical Layer (room 205)	A16 WLAN/WPAN 2 (room 207)	A17 ARQ (room 208)	A18 Multiple Access 1 (room 209)	A19 Mobility Management 2 (room 210)	
12:30-14:00	Lunch on own									
14:00-15:30	A20 Channel Modeling 3: Estimation & Detection (room 201)	A21 Multiple Access 2 (room 202)	A22 Modulation and Detection 3: Differential Modulation & Detection (room 203)	A23 Performance Analysis 3 (room 204)	A24 MIMO 3 (room 205)	A25 Ad Hoc Networks 3: Topology (room 207)	A26 Security 1 (room 208)	A27 Handoff Management 1 (room 209)	A28 Mobility Management 3 (room 210)	
15:30-16:00	Networking Break									
16:00-17:30	A29 Channel Modeling 4 (room 201)	A30 Multiple Access 3 (room 202)	A31 Modulation and Detection 4: Modulation Classification (room 203)	A32 MIMO 4 (room 204)	A33 WLAN1: 802.11e (room 205)	A34 Ad Hoc Networks 4: Broadcast (room 207)	A35 Security 2 (room 208)	A36 Handoff Management 2 (room 209)	A37 Security 3 (room 210)	

W E D N E S D A Y 2 4 M A R C H 2 0 0 4											
8:30-10:30	B01 UWB 1: Physical Level Issues (room 201)	B02 Modulation and Detection 5: Diversity Combining (room 202)	B03 OFDM 1 (room 203)	B04 MIMO 5: MIMO/OFDM Performance (room 204)	B05 WPAN (room 205)	B06 Ad Hoc Networks 5 (room 207)	B07 TCP/IP 1 (room 208)	B08 Scheduling 1: Ad Hoc Networks (room 209)	B09 Infrastructure-based Multihop Networks 2 (room 210)	B10 Channel Modeling 5 (room 211)	
10:30-11:00	Networking Break										
11:00-12:30	B11 UWB 2 (room 201)	B12 Modulation and Detection 6: Higher Order Constellations (room 202)	B13 OFDM 2: Resource Allocation Issues (room 203)	B14 Space-time Codes 1: Receiver Design (room 204)	B15 WLAN 2: MAC Layer (room 205)	B16 TCP/IP 2 (room 207)	B17 Scheduling 2 (room 208)	B18 Routing 1 (room 209)	B19 Radio Resource Management 1 (room 210)	B20 WLAN 3: Application (room 211)	
12:30-14:00	Lunch on own										
14:00-15:30	B21 CDMA 1: Power Control (room 201)	B22 Rate Allocation 1 (room 202)	B23 OFDM 3 (room 203)	B24 Space-time Codes 2: Code Design (room 204)	B25 WLAN 4: Performance Analysis (room 205)	B26 Ad Hoc Networks 6: Multihop (room 207)	B27 TCP/IP 3 (room 208)	B28 Sensor Networks 1: QoS Aspects (room 209)	B29 Routing 2 (room 210)		
15:30-16:00	Networking Break										
16:00-17:30	B30 CDMA 2: Receiver Structures (room 201)	B31 Rate Allocation 2: Power Allocation & Control (room 202)	B32 Coding 1: Interleaver Design (room 203)	B33 Space-time Codes 3: Receiver Design (room 204)	B34 WLAN 5 (room 205)	B35 Ad Hoc Networks 7: Mobility (room 207)	B36 TCP/IP 4: Performance (room 208)	B37 Sensor Networks 2: Energy Efficiency (room 209)	B38 Traffic Modelling and Characterisation (room 210)	B39 Coding 2 (room 211)	
T H U R S D A Y 2 5 M A R C H 2 0 0 4											
8:30-10:30	C01 UWB 3 (room 201)	C02 CDMA 3: Interference Cancellation (room 202)	C03 Space-time Codes 4: Channel Estimation (room 203)	C04 Cross-layer Optimization (room 204)	C05 Ad Hoc Networks 8 (room 205)	C06 Scheduling 3 (room 207)	C07 Mobility Management 4 (room 208)	C08 CDMA 4 (room 209)	C09 Satellite Communications (room 210)	C10 Selected Papers on Wireless Multimedia and Service Models: (room 211)	
10:30-11:00	Networking Break										
11:00-12:30	C11 CDMA 5: MC and OVSF (room 201)	C12 Coding 3: Hybrid ARQ (room 202)		C14 Implementation Issues (room 204)	C15 Scheduling 4: Downlink (room 205)	C16 Mobility Management 5 (room 207)	C17 Radio Resource Management 2 (room 208)	C18 CDMA 2 (room 209)	C19 Receiver Implementation Techniques: (room 210)		
12:30-14:00	Lunch on own										
14:00-15:30	C20 Rate Allocation 3: MAC Layer Issues (room 201)	C21 Coding 4: Decoding Algorithms (room 202)	C22 Equalization 1 (room 203)	C23 Space-time codes 6: Interference Cancellation and Detection (half session) C27 Optical/Infrared (half session) (room 204)		C24 Sensor Networks 3: Energy Efficiency (room 205)	C25 Mobility Management 6 (room 207)	C26 Cellular 1 (room 208)			
15:30-16:00	Networking Break										
16:00-17:30	C28 Coding 5: LDPC Codes (room 201)	C29 Equalization 2 (room 202)	C30 Space-time Codes 7: Code Design (room 203)	C31 Sensor Networks 4 (room 204)	A33 WLAN1: 802.11e (room 205)	C33 QoS Issues (room 207)	C34 Routing 3 (room 208)	Room 209 (room 209)			