IEEE 802 LAN/MAN Standards Committee Plenary Session
July 2007 Tutorials & Call For Interest

Tutorial #1

Date: Monday, November 12, 2007
Time: 18:30 – 20:00
Location: Centennial Ballroom II & III
Title: Data Center Needs for I/O Consolidation
Sponsored by: Pat Thaler, IEEE 802 Vice Chair
Presenter(s):
Pat Thaler - Broadcom, pthaler@broadcom.com
Manoj Wedakar - Intel, manoj.k.wadekar@intel.com
Anoop Ghanwani - Brocade, anoop@brocade.com
Joe Pelissier - Cisco, jopeliss@cisco.com
Hugh Barrass - Cisco, hbarrass@cisco.com
Abstract:
This tutorial will explore the requirements for VLAN-bridged networks to enable I/O consolidation in the data center. It will cover two proposed projects to satisfy the requirements: enhanced transmission selection and priority-based flow control. A PAR and 5 criteria for enhanced transmission selection have been submitted for forwarding approval at this meeting. Priority-based flow control is under study for a future PAR in the Congestion Management Task Group.

Tutorial #2

Date: Monday, November 12, 2007
Time: 20:00 – 21:30
Location: Centennial Ballroom II & III
Title: An Overview: The Next Generation of Ethernet
Sponsored by: Bob Grow, IEEE 802.3 WG Chair
Presenter(s):
John D'Ambrosia - Force10 Networks, jdambrosia@force10networks
Abstract:
This presentation contains an overview of the work done in the IEEE 802.3 Higher Speed Study Group.

Tutorial #3 (Call For Interest)

Date: Tuesday, November 13, 2007
Time: 18:00 – 19:30
Location: Centennial Ballroom II
Title: IEEE 802 Emergency Services CFI
Sponsored by: Paul Nickolich, IEEE 802 Chair
Presenter(s):
Stephen McCann - Nokia Siemens Networks GmbH & Co. KG, stephen.mccann@roke.co.uk
Abstract:
Following the successful July tutorial, this Call for Interest session will determine what level of interest there is within the IEEE 802 community, to establish a group (type to be determined) looking at the specific issue of Emergency Services provision within IEEE 802 technologies.

Tutorial #3

Date: Tuesday, November 13, 2007
Time: 19:30 – 21:00
Location: Centennial Ballroom III
Title: RFID PHY/MAC Issues and Recommendations
Sponsored by: Stuart Kerry, IEEE 802.11 WG Chair
Presenter(s):
Richard H. Paine - Boeing, richard.h.paine@boeing.com
Abstract:
Boeing has been working for several years on wireless issues associated with RFID. The issues can be summarized as a need for protocol and spectrum etiquette for passive tag RFID. This tutorial provides the background and the recommendations for pursuit of an RFID PHY/MAC that would enable RFID to be integrated into a responsible participant in the radio environment with other IEEE and non-IEEE radios.

Tutorial #4

Date: Tuesday, November 13, 2007
Time: 21:00 – 22:30
Location: Centennial Ballroom III
Title: WPAN/WLAN/WWAN Multi-Radio Coexistence
Sponsored by: Stuart Kerry, IEEE 802.11 WG Chair
Presenter(s):
Jari Jokela - Nokia, jari.jokela@nokia.com
Artur Zaks – Texas Instruments, arturz@ti.com
Jing Zhu – Intel, jing.z.zhu@intel.com
Abstract:
This presentation gives an overview on multi-radio coexistence with radios operating on adjacent and overlapping unlicensed or licensed frequency bands, covering use cases, problem analysis, and possible directions for solution. It shows that coexistence has to consider both proximity and collocation. Collocation imposes big challenges due to limited isolation and various interference sources. Need for cost-effective solution leads to approach where antennas are shared by multiple radios thus introducing the requirement for multi-radio time resource coordination. Today's solutions are neither effective, nor scalable with number of radios and number of vendors. Standardization efforts are needed to provide information service, command, and air-interface support necessary for addressing coexistence issues.