

**IEEE 802 LAN/MAN Standards Committee Plenary Session  
March 2008 Tutorials**

**Tutorial #1**

**Date:** Monday, March 17, 2008

**Time:** 18:30 – 20:00

**Location:** TBA

**Title:** Visible Light Communications (VLC)

**Sponsored by:** Bob Heile, ZigBee Alliance; 802.15 WG Chair

<b>Presenter(s) Name:</b>	<b>Affiliation:</b>	<b>Email Address:</b>
EunTae Won	Samsung	etwon@samsung.com
Tae-Gyu Kang	ETRI	tgkang@etri.re.kr
Dominic O'Brien	University of Oxford	dominic.obrien@eng.ox.ac.uk

**Abstract:**

This tutorial presents an overview of Visible Light Communication (VLC) and various Application scenarios. The visibility is the key feature of this communication system. With the advent of increasing amounts of LED lighting, VLC is going to be the best candidate for various communication applications which need a secured-environment or just simple convenience. Area of recent research in VLC are also presented.

**Tutorial #2**

**Date:** Monday, March 17, 2008

**Time:** 20:00 – 21:30

**Location:** TBA

**Title:** How To Log Your 802 Meeting Attendance Using The NEW Attendance-Data-Gathering Tool.\*

**Sponsored by:** Stuart Kerry; 802.11 WG Chair

<b>Presenter(s) Name:</b>	<b>Affiliation:</b>	<b>Email Address:</b>
Michael Kipness	IEEE Staff	m.kipness@ieee.org
Christina Sahr	IEEE Staff	c.sahr@ieee.org

**Abstract:**

This presentation will outline the details for meeting attendees to log onto and use the IMAT (Meeting Attendance Tool). It is important that all attendees for the following groups come to this presentation: 802.11, 802.15, 802.18, 802.19, 802.20, 802.21. \* Please note that tutorial attendees should bring their laptop so they can enroll and follow along.

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**Tutorial #3**

**Date:** Tuesday, March 18, 2008

**Time:** 18:30 – 20:00

**Location:** TBA

**Title:** IEEE Education, Mentoring and Support: Update on Changes to IEEE-SA Policies and Procedures

**Sponsored by:** Pat Thaler, IEEE 802 Vice Chair

<b>Presenter(s) Name:</b>	<b>Affiliation:</b>	<b>Email Address:</b>
Pat Thaler	Broadcom	pthaler@broadcom.com
David Law	3Com	David_Law@3com.com
Michael Kipness	IEEE Staff	m.kipness@ieee.org

**Abstract:**

Updates to the IEEE-SA Standards Board Bylaws and Operations Manual became effective at the beginning of 2008. This session will review the changes to keep our membership up to date on the rules that govern our operation. Important areas including the patent policy and Rev Com submittal process are affected by these changes.

**Tutorial #4**

**Date:** Tuesday, March 18, 2008

**Time:** 20:00 – 21:30

**Location:** TBA

**Title:** Security Signalling During Handovers

**Sponsored by:** Vivek G. Gupta, IEEE 802.21 WG Chair

<b>Presenter(s) Name:</b>	<b>Affiliation:</b>	<b>Email Address:</b>
Yoshihiro Ohba	Toshiba America Research, Inc.	yohba@tari.toshiba.com
Marc Meylemans	Intel Corporation	Marc.Meylemans@intel.com
Subir Das	Telcordia Technologies, Inc.	subir@research.telcordia.com

**Abstract:**

IEEE 802.21 provides Media-Independent Handover (MIH) services in order to facilitate seamless handovers between heterogeneous access technologies. It defines a function (i.e., MIH Function), a set of service access points and primitives, and a protocol (i.e., MIH protocol) between a pair of local and remote MIH Functions, allowing handover applications to deal with different access technologies in a unified manner.

This presentation will summarize how to resolve security related issues during handovers with IEEE 802.21. The issue of high handover latency due to authentication and key establishment is tackled by using pre-authentication as a potential approach. The lack of an appropriate level of security in MIH protocol is tackled by using MIH entity authentication. The presentation will discuss use cases and scenarios where these mechanisms can be applied and will show how they improve handover performance.