IEEE 802 LMSC PLENARY SESSION
TUTORIAL SCHEDULE
MONDAY, JULY 16, 2012

TIME: 6:00 – 7:30 PM   **ROOM: TBD**

TUTORIAL SPONSOR (WG Chair):   **Bob Heile**   (**bheile@ieee.org**)

1. **TITLE OF TUTORIAL: What's next? Wireless Communication beyond 60 GHz**

2. **NAME OF PRESENTERS, THEIR AFFLIATIONS AND CONTACT INFO:**

Presenter(s) Name:	Affiliation:	Email Address:
Thomas Kürner	TU Braunschweig	t.kuerner@tu-bs.de
David Britz	AT&T Shannon Labs	dbritz@att.research.com
Katsuhiro Ajito	NTT Corp.	ajito.katsuhiro@gmail.com
Sebastian Priebe	TU Braunschweig	priebe@ifn.ing.tu-bs.de
Akifuni Kasamatsu	NICT	kasa@nict.go.jp

3. **ABSTRACT: (a brief paragraph describing content of the presentation)**

This tutorial gives an overview on recent achievements in the emerging field of communication systems operating beyond 60 GHz targeting to deliver wireless 100 Gbps over short distances. Within IEEE 802.15 the THz Interest Group is looking for systems for carrier frequencies in the THZ band which starts at 300 GHz. The tutorial will provide an overview on the state-of-the art in technology and demonstrators for these frequency bands. Applications, for which dedicated standards may be appropriate, will be presented focusing on usage models and technical expectations. Finally the regulatory situation after WRC 2012 is discussed.

IEEE 802 LMSC PLENARY SESSION
TUTORIAL SCHEDULE
MONDAY, JULY 16, 2012

TIME: 7:30 – 9:00 PM   **ROOM: TBD**

TUTORIAL SPONSOR (WG Chair):   David Law   (dlaw@hp.com)

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1. **TITLE OF TUTORIAL: IEEE Industry Connections Ethernet Bandwidth Assessment**

2. **NAME OF PRESENTERS, THEIR AFFLIATIONS AND CONTACT INFO:**

Presenter(s) Name:	Affiliation:	Email Address:
John D'Ambrosia	Dell	jdambrosia@ieee.org
Pete Anslow	Ciena	panslow@ciena.com
Mark Nowell	Cisco	mnowell@cisco.com
Scott Kipp	Brocade	skipp@brocade.com
Peter Stassar	Huawei	peter.stassar@huawei.com

3. **ABSTRACT: (a brief paragraph describing content of the presentation)**

The IEEE 802.3 Industry Connections Ethernet Bandwidth Assessment Ad Hoc has been performing an evaluation of the bandwidth needs for Ethernet wireline applications, including, but not limited to, core networking and computing. The release of this assessment completes a year-long effort to provide an updated view of industry bandwidth trends impacting Ethernet wireline applications. Maintaining an ongoing understanding of bandwidth trends should be beneficial to a future higher speed study group, as the time necessary to develop this knowledge is significant, as evident by the effort exerted by this ad hoc. The evaluation is currently scheduled for completion at the IEEE 802 July 2012 Plenary. This tutorial session will present the findings of this ad hoc.

IEEE 802 LMSC PLENARY SESSION
TUTORIAL SCHEDULE
MONDAY, JULY 16, 2012

TIME: 9:00 – 10:30 PM   **ROOM: TBD**

TUTORIAL SPONSOR (WG Chair):   **Roger Marks**   (**r.b.marks@ieee.org**)

1. **TITLE OF TUTORIAL: Heterogeneous Networking among the IEEE 802 Family – proposal for an Open Mobile Network Interface (OMNI) Standard**

2. **NAME OF PRESENTERS, THEIR AFFLIATIONS AND CONTACT INFO:**

Presenter(s) Name:	Affiliation:	Email Address:
Harry Bims	Bims Laboratories, Inc.	harry@bimslabs.com
Roger Marks	Consensii LLC; WiMAX Forum	r.b.marks@ieee.org
Max Riegel	Nokia Siemens Networks	maximilian.riegel@nsn.com
Charlie Perkins	Futurewei	charliep@computer.org
Juan Carlos Zuniga	InterDigital	JuanCarlos.Zuniga@InterDigital.com
(others TBD)		

3. **ABSTRACT: (a brief paragraph describing content of the presentation)**

Proposals arising in the IEEE 802.16 Study Group on Heterogeneous Networks (HetNet Study Group) have suggested the development of a new IEEE 802 Open Mobile Network Interface (OMNI) standard to specify a common method of heterogeneous networking among all (or at least many) IEEE 802 access technologies for mobile broadband IP services. This tutorial highlights discussions within the Study Group and current plans, particularly in the context of related activities and specifications from other organizations, including IETF and the WiMAX Forum. The intent is to inform IEEE 802 participants about the current thoughts, directions and evolving plans, including considerations about the best home for eventual standardization work, and to encourage additional perspectives.