

## IEEE 802 LMSC OFFICIAL TUTORIAL REQUEST FORM

---

TUTORIAL SPONSOR (WG Chair): Roger Marks, Stuart Kerry, Bob Heile  
 DATE SUBMITTED: 9 October 2002  
 Requester Name & Email: Roger Marks <r.b.marks@ieee.org>

---

1. TITLE OF TUTORIAL:

*Handoff Mechanisms and their Role in IEEE 802 Wireless Standards*

2. NAME OF PRESENTERS, THEIR AFFILIATIONS AND CONTACT INFO:

Organizers:

Roger Marks, Chair, IEEE 802.16 Working Group  
 Brian Kiernan, Chair, IEEE 802.16 Mobile WirelessMAN Study Group

Speakers:

Steve Dick, InterDigital Communications  
 Avi Freedman, Hexagon System Engineering  
 Joe Kwak, InterDigital Communications (T1P1 Representative)  
 Bob O'Hara, Black Storm Networks (Editor, P802.11F Inter-Access Point Protocol)  
 Richard Paine, Boeing (Chair, 802.11 Radio Resource Measurement Study Group)  
 Charles Perkins, Nokia (Editor of numerous IEEE IP Mobility documents)  
 TK Tan, Philips Semiconductors (Chair, Wireless LAN Interworking Group [802/ETSI/ARIB])

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

In traditional cellular networks, handoff of a terminal from one base station to another is a critical function to support mobile devices. Since such handoff is handled primarily at network Layers 3 and 4, it is not directly supported by IEEE 802 standards, which specify only Layers 1 and 2. As handoff is becoming increasingly important for 802 wireless standards, this tutorial explores the general issue of handoff and the means by which it is achieved in cellular networks and in IP Mobility specifications. It also explores the means by which 802 standards might interface with higher layer mechanisms and thereby support handoff specified at higher layers. Since the focus is on the direct support of higher layer functionality, the general approach is that a single 802 handoff interface might be implemented for all 802 devices. This would allow handoff among mixed 802 networks as well to and from non-802 systems.

4. ALLOCATED DAYS AND TIMES: (Please indicate your 1<sup>st</sup> and 2<sup>nd</sup> choices below. All tutorials are scheduled on a first come first basis).

DAY/TIME:

Enter 1 or 2:

Monday	6:30-8:00 p.m.	<input checked="" type="checkbox"/>	[6:30-9:30 pm on Nov. 11, 2002]
Monday	8:00-9:30 p.m.	<input checked="" type="checkbox"/>	[6:30-9:30 pm on Nov. 11, 2002]
Tuesday	6:30-8:00 p.m.	<input type="checkbox"/>	
Tuesday	8:00-9:30 p.m.	<input type="checkbox"/>	

\*Other: \_\_\_\_\_ (\*Must be approved by 802 Executive Committee)

5. DEADLINE DATE:

All official tutorial request forms must be submitted at least 45 days prior to the start of the next IEEE 802 LMSC Plenary Meeting. Please refer to the future meetings list on the IEEE 802 Web Site at: <http://grouper.ieee.org/groups/802/meeting>

6. APPROVAL AND CONFIRMATION:

All official tutorial requests must sent to Dawn Slykhouse at [802info@ieee.org](mailto:802info@ieee.org) for final approval and confirmation with copies to Buzz Rigsbee <[everett.o.rigsbee@boeing.com](mailto:everett.o.rigsbee@boeing.com)> and to Paul Nikolich <[p.nikolich@ieee.org](mailto:p.nikolich@ieee.org)>. A confirmation of your request indicating time slot assigned will be sent within 10 days of your submission.