विद्युत अभियांत्रिकी विभाग
DEPARTMENT OF ELECTRICAL ENGINEERING
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To
Prof. Kripa Shanker
Vice Chancellor
UP Technical University
Lucknow, India

Dt. 31st March, 2010

Dear Sir,

We are pleased to inform you that the Department of Electrical Engineering at the Indian Institute of Technology Kanpur in association with BSNL IITK Telecom Center of Excellence is organizing a three day short course titled "OFDM Based Next Generation Wireless Standards" from 17th to 19th May, 2010.

This course is intended for practicing wireless system engineers, teachers of government and private engineering colleges and personnel from R&D organizations. It is intended to provide participants with an in depth exposure to state of the art OFDM based wireless cellular and WLAN technologies, services and standards such as LTE, WiMAX and 802.11n.

The course flyer is attached along with this letter. We would be grateful if you could circulate the flyer among the institutes affiliated to UPTU.

More information on this short course can be obtained from
http://www.iitk.ac.in/ee/ofdm10

Thanking You,
Sincerely,

(Ajit K. Chaturvedi)
Head of the Department
Department of Electrical Engineering
Indian Institute of Technology Kanpur
Kanpur
Uttar Pradesh – 208016
e-mail: *ofdm10@iitk.ac.in*

Directors of all UPTU Institutions

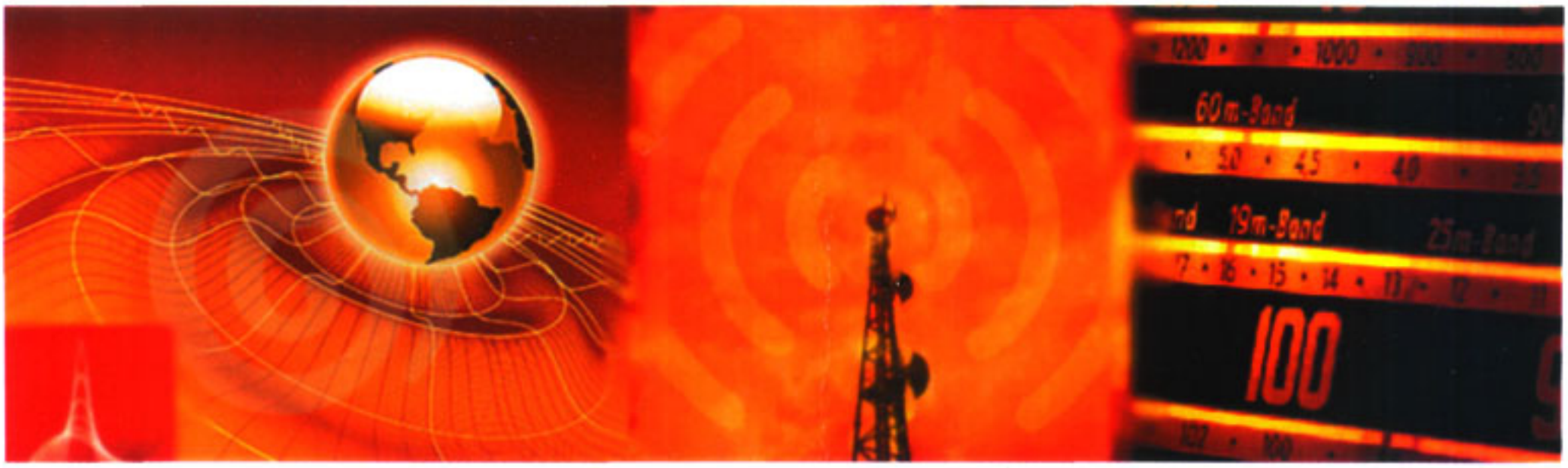
For your kind perusal and necessary action

07/4/2010

OFDM Based Next Generation Wireless Standards

17 May - 19 May 2010

Organized by
BSNL IITK Telecom Center of Excellence & Department of Electrical Engineering IITK



Important Dates

Course Dates
17 May - 19 May 2010

Last Date for Registration
25th April 2010

Venue

Seminar Hall,
Pioneer Batch Building,
IIT Kanpur

Contacts

OFDM 10,
Department of Electrical Engineering
IIT Kanpur
Kanpur 208016
UP, India

Email us at

ofdm10@iitk.ac.in

Short Course on

OFDM Based Next Generation Wireless Standards

Orthogonal Frequency Division Multiplexing (OFDM) is the cutting edge physical layer technology slated to be employed in the forthcoming 4G wireless cellular standards such as 3GPP Long Term Evolution (LTE/LTE-A), Worldwide Interoperability for Microwave Access (WiMAX) and high speed WLAN standards such as 802.11n. These standards are envisaged to support data rates in excess of 100 Mbps through MIMO, dynamic carrier aggregation and thus enable a diverse plethora of applications in the wireless ecosystem such as broadcast/multicast video, HDTV on demand, high speed internet access, interactive gaming amongst others. At the same time there is a tremendous effort towards fixed mobile convergence to enable seamless mobility across future WLAN and cellular networks. Such factors are driving the wireless telecommunication designers and operators to invest heavily in the development of OFDM compatible technologies and applications with the aim of tapping into the potentially vast revenue opportunity in futuristic 4G cellular networks.

This course is intended to provide practicing engineers and telecom teachers with an in depth exposure to OFDM in addition to elaborate tutorials on the upcoming wireless standards of LTE, WiMAX and 802.11n. It emphasizes both the theoretical and practical aspects of such systems while the modular approach provides the participants with a comprehensive treatment of several aspects of wireless communications building up to the latest wireless standards and technologies. The initial modules will familiarize the participants with an overview of wireless communications and provide a detailed expose of OFDM. This will be followed by individual modules on LTE, WiMAX and 802.11n. Finally, an interactive MATLAB module will introduce the participants to practical implementation aspects of such systems.

Target Audience

- Practicing wireless system engineers
- Teachers of engineering colleges

For more details and registration information, visit the website
http://www.iitk.ac.in/ee/ofdm10