International Telecommunication Union (ITU)
Arab Regional Office (ARO)

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- Arab Administrations of ITU Member States
- Arab Regulators
- ITU-D Sector Members and Associates
- Academia Institutions
- Regional and International Organizations concerned
- Regional chairs and vice chairs of the Advisory Groups (TSAG, TDAG, RAG)and Study Groups

Subject: **ITU Centres of Excellence Face-to-Face training course on "Fiber to the Home (FTTH)" Khartoum-Sudan, 06-08 October 2020**

Dear Madam/Sir,

I am pleased to invite your organization to participate in the face-to-face training course on **"Fiber to the Home (FTTH)",** organized jointly by the International Telecommunication Union and Sudatel Telecommunications Academy (SUDACAD), to be conducted in Khartoum - Sudan from 06 to 08 October 2020, as part of the ICT Applications Programme under the auspices of the ITU Centres of Excellence for Arab region. The training will be delivered in English & Arabic.

This training aims to focus on Optical Access Networks, specifically Fiber to the Home (FTTH) technologies, different key topics related to Optical Access Networks Fiber to the Home (FTTH) and will explain how the monumental growth of the Internet challenged Telecoms Service providers to provide Internet access.

By the end of this training, the participants should be able to:

- Understand the passive Optical Network (PON) architecture and its possible implementation.
- Identify the different varieties of PON architectures.
- Determine the differences between broadband Passive Optical Network (BPON), Gigabit Passive Optical Network (GPON) and Ethernet Passive Optical Network (EPON).
- Specify the required components that facilitate FTTx installations.
- Calculate the optical loss budget for a FTTx network.
- Test Fiber to the FTTx or fiber in the loop Networks.

This training course targets Optical Fiber Network manufacturers, designers, installers, infrastructure operators, Internet service providers, telecommunications managers, supervisors, technicians, graduates and apprentices plus other personnel whose work is related to FTTH systems or other professionals who require an insight into FTTH technologies.

Detailed information on this training course is described in the course outline, which can be downloaded from the ITU Academy Portal at the following link (click here).

Registration should be made online at the aforementioned link no later than **28 September 2020**. Payment details are specified in the training course outline.

Should you require any further information, Eng. Mustafa Al Mahdi, Programme Officer at ITU Arab Regional Office (mustafa-ahmed.al-mahdi@itu.int) and Eng. Mohaned Abdalla Suleiman, Senior Engineer at Planning & Development Dept., SUDACAD (mohanedas@sudatel.sd) are at your full disposal.

Looking forward to your active participation in this training course.

Yours faithfully,

[Original signed]

Adel Darwish
Regional Director