

Registration fee (includes working lunch)

Rs. 5000/- (Non-AICTE Institutes)

and Rs. 10000/- (for Industry participants).

Eligibility

Faculties, Scientists, research scholars and executives of Industries

Travel and accommodation

Accommodation will be arranged in IIT Kharagpur Guest Houses. TA, Boarding and Lodging supports are available for the participants (teachers) of AICTE approved Colleges from the QIP fund.

Number of participants – 100 (Maximum)

How to Apply

Interested participants are requested to send the following information:

(i) Name, Designation, Affiliation

(ii) Educational Qualification:

(iii) Address, Mobile number, Email address

(iv) Registration fee payment details

Registration fee should be paid to the following account by internet banking

(a) Account holding authority : Dean (CE), IIT Kharagpur

(b) Name of the Account: CEP-STC (c) Bank Name:

Syndicate Bank (d) Branch Name, Address & Contact :

SRIC, IIT Kharagpur-721302 Phone: 03222-288005 (e)

MICR No: 721025103 (f) Account Type: SB (g) Account

No. 95562200002955 (h) IFSC Code: SYNB0009556

(No registration fee is required for AICTE approved college teachers. However, they should attach short

biodata, recommendation of the principal and AICTE approval letter copy of the college)

Application should be sent by email to

pkdatta@phy.iitkgp.ernet.in

Important dates

Last date for application (by E-mail): 15.02.2017

Confirmation to the participants : 16.02.2017

For further details contact

Prof. P K Datta, Dept. of Physics, IIT Kharagpur - 721302, Phone: 03222-283860, Mobile: 9474069825

Email: pkdatta@phy.iitkgp.ernet.in

Objectives

Equipments based on Terahertz Technology are becoming popular. The different areas of industries like Pharmaceutical, Space Science and Security & communication have started accepting these technologies abroad. The objective of this workshop is to update knowledge-base, drive research & development and promote industries in THz technologies in India

Topics to be covered

- Overview on the properties of THz radiation, applications and challenges
- THz Sources vacuum-electronics-based, semiconductor-based, photoconduction-based, air-plasma and nonlinearity-based
- THz Detectors (single-photon detectors, microbolometers, Golay cells, Pyroelectric detectors and focal-plane arrays)
- THz Optics (waveguides, Metamaterials, filters and modulators)
- THz spectroscopy
- THz Imaging and Tomography
- THz Application in Biology & Medicine
- THz Application in Space Science
- THz Application in Pharmaceutical industry
- THz Application in Defense, Security and communication

Speakers

S Prabhu (TIFR, Mumbai), Gagan Kumar (IIT Guwahati), D Goswami (IIT Kanpur), N Mitra (IIT Kharagpur), P K Dutta (IIT Kharagpur), A Sharma (IIT Delhi), R Varshney (IIT Delhi), N Dixit (IRDE, Dehradun), R K Mitra (SNBNCBS, Kolkata), M Jewariya (NPL New Delhi), N P Sapkal (Zim Lab, Nagpur) and P K Datta (IIT Kharagpur), S K Ray (SNBNCBS, Kolkata), G Ravindra Kumar (TIFR, Mumbai), K Natarajan (IISER Kolkata), R Kini (IISER Trivandrum), P Mondal (IISER, Pune), K V Adarsh (IISER Bhopal), J Jayabalan (RRCAT, Indore), D K Palit (BARC, Mumbai) and A K Razdan (LASTEC, Delhi)



QIP Short Term Course cum Workshop

on

Industrial Applications of Terahertz Radiation

Organized at

IIT Kharagpur-721302

27th March-2nd April 2017



Venue

Venue is changed to IIT Kharagpur from Darjeeling due to logistical problems intimated by Darjeeling Govt. College.

Coordinators

Prof. P K Dutta, Dept. of Electrical Engg. IIT Kharagpur

Prof. P K Datta, Dept. of Physics, IIT Kharagpur

Prof. N Mitra, Dept. of Civil Engg., IIT Kharagpur