

ELIGIBILITY

Practicing engineers from construction and consultancy firms, government and public sector agencies, scientists/engineers from R&D establishment, teachers, post graduate and research students from engineering colleges having interest in the design and evaluation of pavements can apply.

REGISTRATION FEE FOR PARTICIPANTS

Registration fee does not cover cost of travel, food and accommodation.

Participants from Private and Government agencies : Rs.14,160/-
Teachers from Engineering Colleges : Rs.9,440/-
M.Tech/Ph.D/MS Students : Rs.2,360/-
(including 18% GST)

SPONSORSHIP

Interested agencies can avail the sponsorship opportunity as per the following details.

Type of sponsorship	Amount	Registration fee waiver for	Presentation duration
Gold	Rs.1,18,000	04 participants	15 minutes
Silver	Rs.59,000	03 participants	---
Bronze	Rs.29,500	01 participants	---

Sponsors will have the opportunity to display banners at designated places at the workshop venue.

Application for attending the workshop, in the format given overleaf, should be accompanied by registration fee in the form of crossed demand draft from on any nationalized bank drawn in favour of “**CEP-STC, IIT, Kharagpur**” payable at Kharagpur, West Bengal. No refund of registration fee will be made incase of withdrawal of the candidate. .

Payment can also be made by online transfer(NEFT) :
Bank A/c No: 95562200002955, Syndicate Bank, SRIC, IIT Campus, Kharagpur,W.B; IFSC: SYNB0009556

The TDS provisions of sec 193 to 194 of ITax Act.196 are not applicable for any sum/ payment made to IIT Kharagpur. Hence **no TDS (Tax Deduction at Source) should be made.**

ACCOMMODATION

Arrangement will be made to accommodate a limited number of participants in the Visveswaraya and other guest houses at IIT Kharagpur. The number of beds is limited to 50. The rooms will be allotted to the participants on a first-come first-served basis and on a chargeable basis.

Twin sharing room (AC) charge/day : Rs. 300/- Per head in Visveswaraya Guesthouse and Rs.750/- per head in New Guest House.

VENUE FOR LECTURES

Lectures will be held in the seminar hall of the Civil engineering department, IIT Kharagpur.

CONTACT

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Three day Workshop on Developments in Pavement Engineering (DiPAV)

February 12-14 , 2018



Course Coordinators

Dr. M. Amaranatha Reddy
&
Prof. K. Sudhakar Reddy
Dr. Kranthi Kumar Kuna

Department of Civil Engineering
Indian Institute of Technology
KHARAGPUR -721 302, W.B

INSTITUTION AND COURSE CONTENT

The Indian Institute of Technology Kharagpur is one of the highest ranked technical institutes in India. The Civil Engineering Department was established in the year 1951 and it is one of the oldest departments of IIT Kharagpur. The Transportation Engineering Section of Civil Engineering has been conducting research in different aspects of Transportation Engineering including Pavement Materials, Pavement Analysis and Design and Pavement Evaluation for the last four decades.

The focus of the workshop is to discuss the developments in pavement engineering with emphasis on pavement analysis and pavement design, pavement evaluation, maintenance and bituminous mix designs. Besides the presentations to be made by the experts, it is also planned to demonstrate different design software, equipments and structural evaluation of pavement using Falling Weight Deflectometer (FWD) and laboratory demonstration .

The following topics will be covered in the workshop.

Pavement Design:

- Developments in Design of Flexible Pavements- Re examination of IRC:37-2012 and future direction
- Salient features of IRC:58-2015 “Guidelines for the Design of Plain Jointed Rigid Pavements for Highways” and future direction
- Panel concrete pavements for High Volume Roads including White Topping
- Innovative Pavement Designs for High and Low Volume Roads

Pavement Evaluation and Maintenance

- Salient features of IRC: 115-2014 -Guidelines for structural Evaluation and Strengthening of existing Flexible Pavement using Falling Weight Deflectometer (FWD)
- Salient features of IRC:117-2015 : Guidelines for the Structural Evaluation of Rigid Pavement by Falling Weight Deflectometer
- Repair and Maintenance of Bituminous and Cement Concrete Pavements: Case studies

Bituminous Mix Characterization:

- Bituminous Mix design for a) Cold recycled asphalt mixes b) Hot Mix Asphalt (HMA) c) Cement grouted mixes
- High Modulus Bituminous (HiMB) mixes for Long Lasting Pavements
- SMA and Gap-Graded Rubber Bituminous mixes for durable High Volume Roads

Laboratory demonstration:

- Demonstration of Advanced pavement engineering laboratory facilities for characterization of binders and bituminous mixes, fatigue characteristics of bound materials including cement concrete and structural evaluation of pavements using FWD

FACULTY

Resource persons will be from IIT Kharagpur and other agencies.

LECTURE NOTES AND CERTIFICATE

Arrangement is being made to deliver of lecture notes/PPT to the participants. Participants will be given workshop participation certificate.

COURSE CO-ORDINATORS

Dr. M. Amaranatha Reddy

Prof. K. Sudhakar Reddy & Dr. Kranthi Kumar Kuna

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Application form for the **Workshop on**

Developments in Pavement Engineering (DiPAV)

(12-14) Feb, 2018)

(Last date for submission: **30th Jan 2018**)

Name: _____

Designation: _____

Organization: _____

Mailing Address: _____

E-mail: _____

Telephone No: _____

Educational Qualification : _____

Experience (Years): _____

Please tick the appropriate box below:

- Teachers -engineering college(with 18%GST) : Rs.9,440
- Govt/Private organizations (with 18%GST) :Rs.14,160
- M.Tech/Ph.D/ MS Student (with 18%GST) :Rs.2,360
- Sponsorship (Gold/Silver/Bronze) (with 18%GST)
Rs.1,18,000/Rs.59,000/ Rs.29,500

Course fee details

Demand draft No: _____ Transaction No(online transfer) _____ .Amount: Rs. _____

Name of the bank: _____ date: _____

Date:

Signature of applicant

For Teachers/M.Tech/Ph.D/MS student

The application of Dr/Mr/Ms..... is herewith forwarded.

(Signature of Head of the Institute with date and seal)