http://tripp.iitd.ernet.in

26th Annual

INTERNATIONAL COURSE ON TRANSPORTATION PLANNING AND SAFETY

December 1-8, 2016. New Delhi

TRIPP IIT Delhi

Ministry of Urban Development
Government of India

Ministry of Road Transport and Highways
Government of India

WHO

International Course on Transportation Planning and Safety

The Transportation Research and Injury Prevention Programme (TRIPP) at the Indian Institute of Technology Delhi, is organizing its 26th *International Course on Transportation Planning and Safety* in New Delhi, India, from 01 - 07 December 2016.

A Young Researcher Symposium will be held on 8th December 2016. Interested persons may register for the symposium.

Course Objectives

This seven day Course will bring together professionals working in the area of transportation planning, safety promotion, biomechanics of impact and vehicle crashworthiness, trauma and prehospital care, and acquaint them with state-of-the-art information. The Course is especially designed for an interdisciplinary audience of traffic and road engineers, behavioural scientists, mechanical and automotive engineers, law enforcers and police officers. The Course is focused to give a global perspective on the road safety problem. The Course will have a common component for the first three days, followed by three parallel sessions on Traffic Safety; Biomechanics and Crashworthiness; and Prehospital Care and Trauma in the following three days.

This course will be followed by a one day **Young Researcher Symposium**. The symposium is to offer an opportunity to current doctorate students and recent graduates (*graduated after 2012*) working on different aspects of traffic safety to present and discuss their work with experts from all parts of the world and to stimulate the exchange of ideas in the broad field of traffic safety.

By the end of the Course the participants should :

Be aware of

- The latest scientific knowledge regarding traffic planning, prevention of traffic accidents and injuries, and current advances in vehicle crashworthiness and restraint systems.
- Policies and methods which have been shown to be successful and those that have not worked in the past.

Be able to

- Improve or start their own programmes on traffic planning and road safety, design data collection systems and avoid pitfalls common in data analysis.
- Propose and implement road safety countermeasures.
- Provide inputs for local and national road safety policies.

Participants

The Course will have a limited number of participants who must have a working knowledge of English. The participants will be selected on the basis of their involvement in transportation planning and road safety research, involvement in policy making and implementation of safety measures. An attempt will be made to have a balanced mix of engineers, law enforcers, social scientists and medical professionals.

Host Institution

The Transportation Research and Injury Prevention Programme (TRIPP), Indian Institute of Technology, Delhi, India.

The faculty members associated with TRIPP have been involved in safety research for the past two decades. The Institute has been designated as the WHO Collaborating Centre for Research and Training in Safety Technology. The members of TRIPP have expertise in epidemiological studies, designs of vehicles and safety equipment, traffic flow modelling, transportation planning and care of injured persons.

01 - 08 December 2016, New Delhi

Course Outline

- **Common for all participants.** 01 - 03 Dec.

Module 1

. International overview of injuries
. Injury as a public health problem
. Systems approach to injury control
. Enforcement legislation and education
. Data analysis and risk factors
. Human tolerance to injury

- **Concurrent sessions.** 05 - 07 Dec.

Module 2A
Traffic Safety

. Urban transport planning
. Traffic calming
. Highway safety audit
. Public transport safety
. Non motorised transport safety

Module 2B
Biomechanics and Crashworthiness

. Frequency and nature of Injuries
. Biomechanics of impact
. Injury severity scaling
. Vehicle crashworthiness

Module 2C
Prehospital Care and Trauma

. Prehospital care and Trauma
. Principles of prehospital care
. Controversies in prehospital care
. Legal and ethical considerations
. First aid training for lay persons

Course Faculty

Anoop Chawla
IIT Delhi, India
Crash modeling

Christer Hyden
Lund University, Sweden
Pedestrian & bicycle safety

Dinesh Mohan
IIT Delhi, India
Biomechanics and road safety

Geetam Tiwari
IIT Delhi, India
Transportation planning

Girish Agrawal
Shiv Nadar University, India
Safety legislation

Hermann Knoflacher
Technical University of Vienna
Traffic calming and road designs

Janusz Kajzer - *tbc*
Kabimec Consulting, Sweden
Biomechanics

K.N. Jha
IIT Delhi, India
Structure and construction safety

Kalaga R. Rao
IIT Delhi, India
Transportation engineering

Karin Brolin
Chalmers University of Technology, Sweden
Biomechanics

Kavi Bhalla
John Hopkins Bloomberg School of Public Health,USA
Biomechanics and public health

Mathew Varghese
St. Stephen's Hospital,Delhi, India
Prehospital care

Puneet Mahajan
IIT Delhi, India
Crash helmets & impact mechanics

Sanjeev Sanghi
IIT Delhi, India
Crash helmets & turbulent flow

Shrikant Bangdiwala
Univ. of North Carolina, USA
Data analysis

Sudipto Mukherjee
IIT Delhi, India
Crashworthiness mechanics

Sylvain Lassarre
IFSTTAR, France
Risk analysis and management

Young Researchers Symposium

December 08, 2016

This symposium will be beneficial for doctorate students and graduates engaged in traffic safety research.

Participants who wish to contribute to the symposium are requested to submit a one-page ready-to-print abstract. **Please include a 100 word biographical sketch of the presenting author alongwith the abstract**

The following themes will be covered:

- **Transport Safety Systems**
- **Traffic Safety**
- **Biomechanics and Crashworthiness**
- **Prehospital Care and Trauma**

Fees

Indian industry, public sector and international participants	INR 25,000 or US$ 850
Indian educational institutions and research organizations	INR 8,500
Indian students	INR 5,000

All fees include tuition, course material, lunches and tea/coffee between morning and afternoon sessions for seven days.

Scholarship

Very limited funds are available for partial support. For details please refer to the Course application form.

Accommodation

Lodging arrangements (basic) in a nearby hotel for US$. 75 - 100 per day for a single/double room. 3/4 star hotel for US$. 100 - 120 per day for a single/double room

Registration

- All applicants must complete the Course Application Form and send it before August 30, 2016 along with a brief bio-data.(Note: It is important that applicants observe deadlines as visa processing takes time)
- This Application Form is also available on our website : **www.iitd.ac.in/tripp**
- Those selected will be informed by September 15, 2016

Venue	Timings	Dates
IIT-Delhi, Haus Khas, New Delhi, India	9am - 5pm daily	Thursday 01 - Thursday 08 December 2016

Young Researchers Symposium : December 08, 2016

Correspondence address :

Please email / fax / post your application to:

Diya Walia / Peter Tennent
CONFER
Conferences & Event Management
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Government of India

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World Health Organization

Coordinator
Prof. Geetam Tiwari, IIT Delhi