



CODATU TRAINING PROGRAMME “Course C7 2017”
(CODATU-TPC7-17), Hyderabad, India, 2017
*“Topics of Concern to Young Transport Professionals/Researchers
In Developing Countries”*

Training Course to Accompany CODATU XV
Hyderabad, 7 to 9 Nov. 2017

9 June, 2017

Course Designer and Coordinator

Prof Ali S Huzayyin,
1st Vice President of CODATU
Professor; Transport and Traffic Planning and Engineering,
Faculty of Engineering, Cairo University

June, 2017

**“CODATU TRAINING PROGRAMME “Course C7 2017”
(CODATU-TPC7-17), Hyderabad, India, 7 to 9 Nov, 2017
“Topics of Concern to Young Transport Professionals / Researchers
in Developing Countries”**

Course Code: “CODATU-TPC7-17”

Course Title: “Topics of Concern to Young Transport Professionals/Researchers in Developing Countries”

Course Objectives:

The course is designed to **briefly** but **pointedly** touch upon selected topics of concern to young urban transport professionals/researchers with particular reference to the developing countries context. Therefore, the course is designed to achieve the following objectives:

- ⇒ To introduce important topics and issues of concern in urban transportation, which are globally addressed; with reference to the developing countries.
- ⇒ To draw the attention of participants to the multiplicity and diversity of the addressed topics and issues of concern and the need to catch up with those topics and issues (and others); as they emerge among the world transport professionals'/researchers' communities.
- ⇒ To draw the attention to the need to encourage the staff and researchers involved in urban transport planning and engineering, operation, management and policy making to increase their knowledge and competence through continuous learning and education. This is irrespective of the relevant education background and discipline (e.g., civil engineering, mechanical engineering, electrical engineering, economics, financing, social sciences, etc.) and years of experience.

This is a common objective of CODATU Training Programme and its Courses; irrespective of the course title.

Who should attend?

Young professionals and researchers (less than 30 years old by November 2017) in urban transport in developing countries working in local authorities, government agencies, companies, operators, Universities, research institutions, the private sector, etc.; with University education background in Engineering (Civil, Mechanical or Electrical), Economics, Informatics, Logistics, or related Social Sciences.

Course Venue:

The training course will be held at the National Academy of Construction (NAC), near the HITECH City, Hyderabad.

Course Duration: 3 days.

- Duration of the Course can be extended to a fourth day (10 Nov, 2017) depending on Speakers availability and if so will be announced in due course.

Number of Lectures: 14 including the opening and the closing sessions.

Training Philosophy & the Lectures' Handouts:

The philosophy of CODATU Training is based on active “professor/attendant interaction”. Accordingly, the following principles of preparation of the Handouts of the lectures are adopted;

- Main points of each lecture are printed in the handouts.
- Appropriately sized ‘blank’ space is given in each sheet after the main points addressed in the lecture for the attendant to fill in the explanations given by the Professor during the lecture.
- Attendants can use extra sheets for writing additional own notes.
- Definitions of terminologies given in some lectures are always written in the handouts in full.
- Any hard or soft material related to some lectures will be handed / accessed to the attendants.

Total duration of the course: ≈ 20 Hours.

Languages: English.

Topics to be addressed in the Lectures:

Notes:

- Sequence of the lectures can be altered after dates of departure of the Speakers from Hyderabad are fixed.
- Slight change in lectures titles may occur.
- Other four lectures may be added if the course extends to a fourth day (10 Nov., 2017).

This is to be confirmed in due course and based on Speakers availability.

Lectures Titles:

- Introduction to ITS applications in cities of developing countries.
- Pre-requisites to facilitate decision on urban transport in developing countries.
- Prospects of modelling and optimization of urban transport systems in developing countries.
- Prospects of using GIS, RS and GPS in transport engineering in developing countries.
- Introduction to Bus Management Systems.
- Modern Bus Operation Monitoring and Control Systems in light of the use of computer software.
- Congestion pricing for cities of developing countries; implementation constraints of simple measures.
- Barriers to the institutional and operational coordination of transport systems in developing country cities.
- ‘Land Use’/‘Transport’ cyclic interaction in cities; and policy instruments to control its pace.
- Sustainable development; evolution of the concept and basic definitions.
- Sustainable transport systems; main features and main barriers of implementation.
- Sustainable urban transport/mobility planning; international focus.

Lecturers:

Lecturers are listed in the alphabetical order of names.

Ali S Huzayyin (Egypt) (Lectures L1 and L10, L11, L12, L13, & L14)

1st Vice President of CODATU

Professor; Transport and Traffic Engineering and Planning,

Faculty of Engineering, Cairo University, Egypt

Director, the Transportation Programme, DRTPC, Cairo University, Egypt

Etienne Lhomet (France) (Lectures L8 and L9)

International Transport Consultant,

Former Director of the Tramway in Bordeaux Metropolis, France

Founder & Director,

The Consulting Group for Sustainable Mobility (Des Villes et des Hommes), France.

Marcela Munizaga (Chile) (Lectures L4 and L5)

Associate Professor,
Department of Civil Engineering,
University of Chile,
Santiago, Chile.

Charles Rivasplata (USA) (Lectures L2 and L3)

Senior Transportation Planner, SFMTA Municipal Transportation Agency,
Adjunct Lecturer,
Urban and Regional Planning Department,
San Jose State University, California, USA

Ashish Verma (India) (Lectures L6 and L7)

Associate Professor, Transportation Engineering,
Civil Engineering Department,
Indian Institute of Science (IISc)
Bangalore, Karnataka, India

Certificate of Attendance:

An official **CODATU** Certificate of Attendance will be handed to each participant attending (in full) a minimum of 13 out of the 14 Lectures of the course.

Conditions of Attendees

- Attendees should be less than 30 years old by November 2017.
- Attendees should be formally registered for attending CODATU-XVII and UMI-10 Conference, Hyderabad, India, 4 to 6 November, 2017.

Registration:

- No registration fees are required. The course is free of charge and all the speakers kindly volunteer for teaching.
- This is offered by CODATU as part of fulfillment of its mission to enhance competence and raise the capabilities of young urban transport professionals and researchers in developing countries.
- However, CODATU does not bear any cost of accommodation, transport, meals, etc. for the attendees.
- Formal Application to register should be received by CODATU Secretariat “Chantal Picard” <cpicard@codatu.org> no later than 30 September 2017; using the Application Form as below.

Application Form

Formal Application Form for registration will be posted on CODAU Website in June 2017.

Maximum number of attendees:

- The maximum number of attendees is 35 persons.
- Registration is open from 1st July to 30 September, 2017.
- Registration will be on a “first arrived first served” bases.
- If the maximum number of attendees is reached before the deadline, registration will cease.

Course Designer and Coordinator:

Ali S HUZAYYIN, 1st Vice President of CODATU and Professor; Transport and Traffic Engineering and Planning, Faculty of Engineering, Cairo University

Summary Programme:

Day One: Tuesday 7 November

L0: Opening Speeches

Indian High Rank Official (to be named by MoUD, India) and Professor Christian Philip, Secretary General of CODAT

L1: Course Introduction and Organisation

Professor Ali Huzayyin, 1st Vice President, CODATU and CODATU Training Course Designer and Coordinator

L2:

Congestion pricing for cities of developing countries; implementation constraints of simple measures **C. Rivasplata**

L3:

Barriers to the institutional and operational coordination of transport systems in developing country cities
C. Rivasplata

L4:

Introduction to ITS applications in cities of developing countries **M. Munizaga**

L5:

Pre-requisites to facilitate decision on urban transport in developing countries **M. Munizaga**

Day Two: Wednesday 8 November

L6:

Prospects of modelling and optimization of urban transport systems in developing countries **A. Verma**

L7:

Prospects of using GIS, RS and GPS in transport engineering in developing countries **A. Verma**

L8:

Introduction to Bus Management Systems **E. Lhomet**

L9:

Modern Bus Operation Monitoring and Control Systems in light of **the use of computer software**
E. Lhomet

Day Three: Thursday 9 November

L10:

'Land Use'/'Transport' cyclic interaction in cities; and policy instruments to control its pace **A. Huzayyin**

L11:

Sustainable development; evolution of the concept and basic definitions **A. Huzayyin**

L12:

Sustainable transport systems; features and barriers of implementation **A. Huzayyin**

L13:

Sustainable urban transport/mobility planning; international focus **A. Huzayyin**

L14: Course Sum and Closing Talk

Professor Ali Huzayyin, 1st Vice President, CODATU and CODATU Training Course Designer and Coordinator

Certificate Handing Ceremony

Indian High Rank Official (to be named by MoUD, India), Professor Ali Huzayyin, 1st Vice President CODATU and Dr. Jean-Jacques Helluin, Executive Manager, CODATU.

Lectures Schedule

Day	Time	Lecture	Title
Tuesday 7 November 2017	09:00 – 09:15	L0	Opening Speeches, Indian High Rank Official (to be named by MoUD, India) and Prof. Christian Philip , Secretary General of CODATU
	09:15 – 09:30	L1	Course Introduction and Organisation A. Huzayyin
	09:30 – 11:00	L2	Congestion pricing for cities of developing countries; implementation constraints of simple measures C. Rivasplata
	11:00 – 11:30		Coffee
	11:30 – 13:00	L3	Barriers to the institutional and operational coordination of transport systems in developing country cities C. Rivasplata
	13:00 – 14:30		Lunch
	14:30 – 16:00	L4	Introduction to ITS applications in cities of developing countries M. Munizaga
	16:00 – 16:30		Coffee
Wednesday 8 November 2017	09:00 – 10:30	L6	Prospects of modelling and optimization of urban transport systems in developing countries A. Verma
	10:30 – 11:00		Coffee
	11:00 – 12:30	L7	Prospects of using GIS, RS and GPS in transport engineering in developing countries A. Verma
	12:30 – 14:00		Lunch
	14:00 – 15:30	L8	Introduction to Bus Management Systems E. Lhommet
	15:30 – 16:00		Coffee
Thursday 9 November 2017	09:00 – 10:30	L10	'Land Use'/'Transport' cyclic interaction in cities; and policy instruments to control its pace A. Huzayyin
	10:30 – 11:00		Coffee
	11:00 – 12:30	L11	Sustainable development; evolution of the concept and basic definitions A. Huzayyin
	12:30 – 14:00		Lunch
	14:00 – 15:30	L12	Sustainable transport systems; main features and main barriers of implementation A. Huzayyin
	15:30 – 16:00		Coffee
	16:00 – 17:30	L13	Sustainable urban transport/mobility planning; international focus. A. Huzayyin
	17:45 – 18:30	L14	Course Sum and Closing Talk A. Huzayyin
	18:30	Certificate Handing	Indian High Rank Official (MoUD to name), Prof. Ali Huzayyin , 1 st Vice President CODATU and Dr. Jean-Jacques Helluin , Executive Manager, CODATU