

Synergia

CTRANS Industry-Academia Meet

16 - 17 February 2023
Thursday - Friday

CENTRE FOR TRANSPORTATION SYSTEMS

Extends warm welcome and cordially invites you

Day 1

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| Inauguration | 10:30 AM |
| Panel Discussion | 11:45 AM |
| Curriculum Workshop | 02:30 PM |
| Interaction with Expert | 05:00 PM |

Day 2

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|---------------------------|----------|
| Expert Lectures | 09:30 AM |
| Software & Skill Workshop | 11:30 AM |
| Jury Session | 02:00 PM |
| Valedictory Session | 04:45 PM |

Distinguished Guests & Experts



Dr. O. P. Agarwal
IAS (Retd)



Shri S. C. Nautiyal
Director Industries,
Uttarakhand Govt.



Prof. K. K. Pant
Director, IIT Roorkee



Dr. S. K. Dutta
Policy Expert &
Advisor MDS IndoCan



Prof. M. Parida
Director, CSIR-CRRI



Dr. D. S. Khatri
Director, Vembsys
Technovation



SynergIA

CTRANS Industry-Academia Meet

February 16-17, 2023 (Thursday & Friday)

BSBE Auditorium, Ground Floor, New Biotech/Multi Dept. Building

CTRANS is a Centre of excellence of IIT Roorkee in the area of Transportation and infrastructure. The Centre aims to evolve a holistic approach to the study of transportation and its management systems.

CTRANS is primarily a **multi-disciplinary** initiative working since 2005 with the collective participation of Engineers, Architects, Planners, Managers, Scientists and Researchers from all backgrounds.

The aim of CTRANS is to promote multi-disciplinary research and education for manpower development in transportation systems encompassing **all modes of Transport** such as Road Transport, Non-motorized Transport(NMT), Rail Transport, Inland Water Transport, Air Transportation, Freight & Logistics Transport etc.

CTRANS is happy to announce the **SYNERGIA**, the Industry-Academia meet for 2023 on 16th and 17th February. The main intent of this event is to build a synergy between industry and academics for the mutual benefit of academics at large, students and the industry.

We **welcome** all to attend and participate in this initiative.

- Panel Discussion
- Expert Lectures
- PG Curriculum Workshop (NEP)
- Students Idea Competition
- Demonstration workshop
- Idea and project Exhibition
- Cultural Program
- Informal Interactions with experts

Inauguration

Day 1: February 16, 2023 (Thursday)

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| Assembly in the venue | 10.00 am to 10.30 am |
| Lighting of lamp and welcoming dignitaries with flower bouquet | 10.30 am |
| Welcome address by Prof. Uttam K. Roy , Head, CTRANS | 10.35 am to 10.40 am |
| Keynote Address by Prof. S. Rangnekar , Chair, SynergIA | 10.40 am to 10.45 am |
| Address by Prof. Akshay Divedi , Dean, Sponsored Research, IIT Roorkee | 10.45 am to 10.50 am |
| Address by Shri S. C. Nautiyal , Director Industries, Uttarakhand Government | 10.50 am to 11.00 am |
| Address by Prof. K.K. Pant , Director, IIT Roorkee | 11.00 am to 11.15 am |
| Vote of thanks by Prof. A. Ramesh , CAPC Chair, CTRANS | 11.15 am to 11.20 am |

Exhibition opens

High Tea

CENTRE FOR TRANSPORTATION SYSTEMS * INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



Day 1: February 16, 2023 (Thursday)

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| Assembly in the venue | 10.00 am to 10.30 am |
| Lighting of lamp and welcoming dignitaries with flower bouquet | 10.30 am |
| Welcome address by Prof. Uttam K. Roy , Head, CTRANS | 10.35 am to 10.40 am |
| Keynote Address by Prof. S. Rangnekar , Chair, Synergia | 10.40 am to 10.45 am |
| Address by Prof. Akshay Dvivedi , Dean, Sponsored Research, IIT Roorkee | 10.45 am to 10.50 am |
| Address by Shri S. C. Nautiyal , Director Industries, Uttarakhand Government | 10.50 am to 11.00 am |
| Address by Prof. K.K. Pant , Director, IIT Roorkee | 11.00 am to 11.15 am |
| Vote of thanks by Prof. A. Ramesh , CAPC Chair, CTRANS | 11.15 am to 11.20 am |

Exhibition opens

High Tea

Panel Discussion (11.45 am to 1.15 pm)

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| <p>Topic: “Emerging roles of Institutions in Industrial Research and Development” Chair: Prof. Durga Toshniwal, Prof. Uttam K. Roy</p> | <p>Speakers Shri S. C. Nautiyal, Director Industries, Uttarakhand Government Dr. Suvrokamal Dutta, Policy Expert & Advisor MDS IndoCan Dr. D. S. Khatri, Director, Vembsys Technovation Prof. S. Rangnekar, Chair, Synergia</p> |
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Lunch-Break

PG Curriculum Workshop (3.00 pm to 5.00 pm)

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| <p>Theme: “Revisiting M. Tech program (CTRANS): NEP-2020 and Industry Perspectives” Chair: Prof. R. D. Garg, Prof. Hemant Suman</p> | <p>Speakers: Prof. A. Ramesh, CAPC Chair, CTRANS Prof. C. N. Ramachandran, Associate Dean of Academic Affairs (Curriculum) Dr. Suvrokamal Dutta, Policy Expert & Advisor MDS IndoCan Prof. Kaushik Pal, PIC, Placement and Training Cell, IITR Dr. D. S. Khatri, Director, Vembsys Technovation Prof. M. Parida, Director, CSIR-CRRI</p> |
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Tea Break

Interaction with Industry (5:30 pm to 6:00 pm)

Interaction with CTRANS faculty and representatives of **MDS Indocan**
 Venue: Conference Room, CTRANS

Cultural Program (6.30 pm)

Dinner

Day 2: February 17, 2023 (Friday)

Expert Lectures (9.30 am to 11.00 am)

Chair: **Prof. S. Rangnekar, Prof. Shubhajit Sadhukhan**

“Challenges of Inland Water Transportation development in large alluvial braided rivers of India”

By **Prof. Nayan Sharma**, Former Adjunct Professor, CTRANS

“Challenges of Urban Mobility and Emerging Trends”

By **Dr. O. P Agarwal**, IAS (Retd), Principal author of NUTP and formerly CEO, WRI India

Tea Break

Software and Skill Development Session (11.30 am to 1.00 pm)

Chair: **Prof. Anil Kumar, Prof. E. Rajasekar**

“IMPACT” Innovative School Project on Transport Safety | **Ms. Ruchira Sharma, Ms. Kanishka Singh, Ms. Srijani Dasgupta**, Montfort School

GPR Instrument | **Mr. Nirav Sharma**, Research Scholar

HDM4 Software | **Mr. Bhavesh Jain**, Research Scholar

Introduction to GIS Software | **Prof. Siddharth Khare**, Civil Engg Dept., IITR

SPSS-Statistical Tools | **Prof. A. Ramesh**, CTRANS, IITR

Lunch Break

Jury Session for Idea Competition (02.00 pm to 04.30 pm)

Chair and Coordinator:
Prof. A. Ramesh, Prof. Hemant Suman

Panel of Juries:
Dr. O. P Agarwal, IAS (Retd)
Dr. Suvrokamal Dutta, Policy Expert & Advisor MDS IndoCan
Prof. Rajat Rastogi, Civil Engg Dept., IITR
Prof. Shubhajit Sadhukhan, CTRANS, IITR
Prof. Amit Agarwal, Civil Engg Dept., IITR
Prof. Pushpa Choudhary, Civil Engg Dept., IITR

Tea Break

Valedictory Session (4.45 pm to 5.30 pm)

Summing up of the Event by **Prof. S. Rangnekar** | 4.45 pm to 4.50 pm

Feedback by Juries and Prize Distribution | 4.50 pm to 5.10 pm

Address by **Prof. U. P. Singh**, Dy Director, IITR | 5.10 pm to 5.25 pm

Vote of Thanks: **Prof. Uttam K. Roy**, Head, CTRANS | 5.25 pm to 5.30 pm

Closing of the Event

Grand Dinner