



भारतीय प्रौद्योगिकी संस्थान रूड़की
Indian Institute of Technology Roorkee



CENTRE FOR
TRANSPORTATION
SYSTEMS
Progressive Transportation

ThinkQuest

The Research Day of CTRANS

12 - 13 April 2024
Friday - Saturday

CENTRE FOR
TRANSPORTATION SYSTEMS

Extends warm welcome and cordially invites you

Distinguished Guests & Experts



Prof. D. S. Arya
Dean Administration
IIT Roorkee



Prof. M. Parida
Director
CSIR-CRRI



Prof. Geetam Tiwari
Professor
IIT Delhi



Prof. Travis Waller
Chair of Transport
Modelling and
Simulation, TU Dresden



Dr. Teena Sharma
Research Scholar, University
of Quebec, Chicoutimi



Dr. Ajay Nagpure
Senior Scientist
Princeton University, NJ



Dr. Sharad Mohindru
Unitrans Mobility
Solutions



Dr. O. P. Agarwal
Professor of Practice
CTRANS



Prof. Uttam K. Roy
Head
CTRANS



Prof. Hemant Suman
Assistant Professor
CTRANS



school/ctrans-iitroorkee

VENUE
CTRANS Studio
Fifth Floor, New BSBE Building

ThinkQuest

The RESEARCH DAY of CTRANS

April 12-13, 2024 (Friday & Saturday)
CTTRANS Studio, Fifth Floor, New Biotech/Multi Dept. Building

CTTRANS 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.

CTTRANS 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.

CTTRANS is happy to announce the ThinkQuest, the Centre's **Research Day** for 2024 on 12th and 13th April. The main intent of this event is to motivate young scholars to demonstrate the research ideas by posters and expose them to the research excellence by the known experts.

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

- Expert Lectures
- Poster Presentation & Jury
- Expert Talk
- Panel Discussion
- Postdoc Talk
- Project and Software Demonstration

CENTRE FOR TRANSPORTATION SYSTEMS – INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



ThinkQuest

The RESEARCH DAY of CTRANS

April 12-13, 2024 (Friday & Saturday)

Venue - CTRANS Studio, Fifth Floor, New BSBE Building

Programme Schedule

Day **1**: April 12, 2024 (Friday)

Session 1: Inauguration (09:30 AM to 10:00 AM)

By **Prof. K K Pant**, Director, IIT Roorkee

Assembly in the venue	09:00 AM – 09:28 AM
IIT Roorkee Kulgeet	09:30 AM – 09:35 AM
Welcoming dignitaries	09:35 AM – 09:37 AM
Welcome address by Prof. Uttam K. Roy , Head, CTRANS	09:37 AM – 09:42 AM
Address by Chief Guest, Prof. Geetam Tiwari , IIT Delhi	09:42 AM – 09:48 AM
Address by Prof. D. S. Arya , Dean, Administration, IIT Roorkee	09:48 AM – 09:57 AM
Vote of thanks by Prof. Durga Toshniwal , Head, MFSDSAI and Joint faculty, CTRANS	09:57 AM – 10:00 AM

Visit to Research Posters Gallery by the dignitaries

Session 2: Expert Lecture (10:00 AM – 11:00 AM)

Chair: **Prof. Uttam K. Roy**, Head, CTRANS, IIT Roorkee

Traffic Safety Science Current challenges and future research directions

By **Prof. Geetam Tiwari**, IIT Delhi

High Tea-Break

Session 3: Poster Presentation & Jury

(11:00 AM to 01:00 PM & 02:00 PM to 03:30 PM)

Chairs:

Prof. Geetam Tiwari,

IIT Delhi

Prof. R D Garg

Dean, Resource and Alumni
Affairs, IITR & Joint faculty,
CTTRANS

Co-ordinators:

Prof. Hemant Suman,

Assistant Prof. CTRANS, IIT
Roorkee

Prof. Shubhajit Sadhukhan,

Joint faculty, CTRANS, IIT Roorkee

Panel of Jury:

Prof. A. Ramesh, Joint faculty CTRANS, IIT Roorkee

Prof. KM Poluri, BSBE, IIT Roorkee

Prof. E Rajasekar, Joint faculty CTRANS, IIT Roorkee

Prof. Anil Kumar, Joint faculty CTRANS, IIT Roorkee

Prof. Siddharth Khare, Civil Engg Dept., IIT Roorkee

Prof. Sanhita Das, Civil Engg Dept., IIT Roorkee

Lunch Break (01:00 PM – 02:00 PM)

Session 3 Continues

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ThinkQuest

The RESEARCH DAY of CTRANS

Day 1: April 12, 2024 (Friday)

Session 4: Expert Talk (3:30 PM to 4:00 PM)

Chair: **Prof. A. Ramesh**, CTRANS, IIT Roorkee

By **Prof. Travis Waller**, Chair of transport modelling and simulation, TU Dresden

Session 5: Panel Discussion (04:00 PM to 05:30 PM)

Multidisciplinary in Higher Education and Research: Focus on Transportation Studies

Panel:

Prof. Geetam Tiwari, IIT Delhi

Prof. O. P Agarwal, Professor of Practice, CTRANS, IITR

Chair: **Prof. Rajat Agarwal**, Head, DoMS, IIT Roorkee

Prof. Uttam Kumar Roy, Head, CTRANS, IIT Roorkee

Prof. R D Garg, Dean, Resource and Alumni Affairs, IITR & joint faculty, CTRANS, IIT Roorkee

Prof. Rajat Rastogi, Civil Engg Dept., IIT Roorkee

Prof. Durga Toshniwal, Head, MFSDSAI and Joint faculty, CTRANS, IIT Roorkee

Prof. Gaurav Raheja, Head, Architecture & Planning, IITR

Tea Break

Day 2: April 13, 2023 (Saturday)

Session 1: Post-Doc Talk (9.00 AM to 11.00 AM)

Chair:
Prof. Manoranjan Parida

Expert Speakers:

Dr. Ajay Nagpure – Senior Scientist,
Princeton University, Princeton, NJ

Dr. Teena Sharma – Research Scholar,
University of Quebec, Chicoutimi

Tea Break

Session 2: Research Software & Project Demonstration (11.30 AM to 1.30 PM)

Chair: **Prof. E. Rajasekar**, CTRANS, IIT Roorkee

Live projects covering junctions improvement, site level TIA, and area level studies

Demonstrate capability of simulation tool through presentation and case studies

Shri. Sharad Mohindru,

Unitrans Mobility Solutions

Session 3: Valedictory (1.30 PM to 02.00 PM)

Summary of the programme by **Prof. Hemant Suman** 01:30 PM – 01:35 PM

Result Announcement & Certificate Distribution 01:35 PM – 01:45 PM

Address by **Prof. M Parida**, Director, CSIR-CRRI & Chief Guest 01:45 PM – 01:55 PM

Concluding remarks and Vote of thanks by **Head, CTRANS** 01:55 PM – 02:00 PM

Lunch

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