



Malaviya National Institute of Technology

Shastri Indo-Canadian Institute

Sponsored

Two-Days International Conference

on

“Transportation Geotechnics towards Sustainability (TGTS-2021)”

MARCH 05-06, 2021



Prof. Udaykumar R. Yaragatti

Director
MNIT Jaipur



Dr. Prachi Kaul

Director
Shastri Indo-Canadian Institute



Prof. Sanjay Mathur

Professor and Head
Department of Civil Engineering
MNIT Jaipur



Dr. Neha Shrivastava

Assistant professor
MNIT Jaipur
Director of Conference

TEAM MEMBERS & EMINENT SPEAKERS



Dr. Dipanjan Basu

Associate Professor
Department of Civil Engineering
University of Waterloo, Canada
Co-Director of Conference



Prof. M R Madhav

Professor Emeritus
Department of Civil Engineering
JNTUH College of Engineering Hyderabad



Prof. B. Umashankar

Professor
Department of Civil Engineering
IIT - Hyderabad



Dr. Sandeep Shrivastava

Assistant Professor
Department of Civil Engineering
MNIT Jaipur



Prof. Richard J. Bathurst

Professor Emeritus
Department of Civil Engineering
Royal Military College of Canada



Prof. K. Rajagopal

Professor
Department of Civil Engineering
IIT Madras



Prof. Hassan Baaj

Professor, Associate Chair for Research
CIVIL AND ENVIRONMENTAL ENGINEERING
University of Waterloo, Canada



Dr. N. Kumar Pitchumani

Regional Director
AECOM India Pvt. Ltd.



Mr. Ashish D. Gharpure

Managing Director
Genstru Consultants Pvt. Ltd.

Registration link: <https://forms.gle/znHtxQ7NaT5DWZ5w5>

Email: tgts2021@gmail.com

CONFERENCE COMMITTEE

CHIEF PATRON

Prof. Udaykumar R. Yaragatti, Director,
MNIT Jaipur

Dr. Prachi Kaul, Director, Shastri Indo-
Canadian Institute

PATRON

Dr. Sanjay Mathur (Professor and Head,
Department of Civil Engineering, MNIT
Jaipur)

DIRECTOR OF THE CONFERENCE

Dr. Neha Shrivastava, Assistant Professor,
MNIT Jaipur, India

CO-DIRECTOR OF THE CONFERENCE

Dr. Dipanjan Basu, Associate Professor,
University of Waterloo, Canada

OTHER TEAM MEMBERS

- 1. Prof. M. R. Madhav**, Professor Emeritus
JNTUH College of Engineering
Hyderabad, India
- 2. Prof. B. Umashankar**, Professor, IIT-
Hyderabad, India
- 3. Dr. Sandeep Shrivastava**, Assistant
Professor, MNIT Jaipur, India

REGISTRATION

**Shastri Indo-Canadian Institute Sponsored
Two-Days International Conference**

on

**“Transportation Geotechnics towards
Sustainability (TGTS-2021)”**

MARCH 5-6, 2021

To Join the Conference, you need to register by
clicking on the registration link or scanning the QR
Code:

<https://forms.gle/znHtxQ7NaT5DWZ5w5>



Note:

- ✓ The conference will be conducted through
online platform Microsoft Teams.
- ✓ Link to join the session will be provided on
participant's registered email id and on the
Whatsapp group.
- ✓ E-Certificate will be provided to those
participants whose attendance will be
at least 80 % with feedback form submitted.

CONTACT US

(Student Coordinators)

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Technology**

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Sponsored
International Conference**

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Transportation Geotechnics

Organized by

**Department of Civil Engineering
Malaviya National Institute of
Technology, Jaipur-302017**

www.mnit.ac.in

ABOUT SHASTRI INDO-CANADIAN INSTITUTE

The Shastri Indo-Canadian Institute became bi-national in 2005. It has the honour of being the only Institution which has One Hundred Seventeen (117) premier academic Institutions as its members in India (including IITs, IIMs, NITs, Law schools, Central and State Universities) and Thirty Nine(39) universities in Canada (including McGill, Queen's and York Universities). The Institute's scope has expanded as well to include law, management, arts, information science, environment, science and technology including biotechnology along with humanities and social sciences. The Shastri Institute is funded by and partners closely with government bodies both in India and Canada. The aim is to further the bi-national ethos through different programmes facilitating scholarly research and exchanges between the Indian and Canadian Universities, Cultural organizations, Government Bodies and United Nations Sustainable Development Goals.

ABOUT MNIT

The college was established in 1963 with the name as Malaviya Regional Engineering College, Jaipur. The campus spreads over 317 acres of lush green area in the central location of Jaipur city and is imaginatively laid-out with a picturesque landscape. On June 26, 2002 the college was given the status of National Institute of Technology and on 15 August 2007, Proclaimed Institute of National Importance through Act of Parliament. The Institute is fully funded by the Ministry of Education, Government of India. MNIT is one of the premier NITs of India. The Institute offers undergraduate and postgraduate (B.Tech., B.Arch., M.Tech., M.Arch., M.Sc., MBA and PhD) programs to about 4500 students in the leading field of Engineering, Technology, Architecture, Management and Sciences.

ABOUT CIVIL ENGINEERING DEPARTMENT

Civil engineering discipline was introduced at Malaviya National Institute of Technology (then Malaviya Regional Engineering College), Jaipur, in 1965. At the beginning world class laboratories, especially material testing, hydraulics, survey, road material testing, and soil testing laboratories were developed. Later the department was split into two separate departments of Civil Engineering and Structural Engineering. The department offers four-year course leading to the Bachelor's Degree in Civil Engineering.

It also offers full time and part time postgraduate courses in Structural Engineering, Water Resources Engineering, Environmental Engineering and Transportation Engineering and Disaster Assessment and Mitigation.

The department is equipped with the latest facilities and equipment for extensive training to both the undergraduate and postgraduate students. In addition to that these are also used for numerous research, consultancy and testing works.

ABOUT THE CONFERENCE

The conference is a part of **GOLDEN JUBILEE CONFERENCE AND LECTURE SERIES GRANT (GJCLSG)** by **Shastri Indo-Canadian Institute (SICI)**. The conference is a series of keynote lectures which will be conducted via online mode

The largest aspect of Civil Engineering that involves Geotechnical Engineer is associated with transportation infrastructure. Sustainability also plays a vital role in Geotechnical Engineering aspects of transportation infrastructure development. Geotechnical planning, design and construction in the early phases of a transportation infrastructure project can significantly contribute to the overall sustainability of that particular development by making appropriate choices related to several aspects of the project. These choices include strategies, materials and technologies such as effective/ efficient use of resources; use of recycled/ alternative materials in place of natural resources; preserve/ restore the surrounding ecosystems etc.

International Conference on Transportation Geotechnics towards Sustainability (TGTS 2021) aims to bring together leading academicians, researchers and industry persons from India and Canada to exchange and share their experiences and research on the various aspects of Transportation Geotechnics.

ELIGIBILITY CRITERIA

The conference is open for all students, research scholars, academicians and industry professionals belonging to the Civil Engineering stream.

REGISTRATION FEE

There is no registration fee.

CONFERENCE SCHEDULE

March 05, 2021 (Friday)

15:00 - 16:00 (IST) 4:30 - 5:30 (EST)	Inaugural Ceremony
16:00 - 17:00 (IST) 5:30 - 6:30 (EST)	Prof. M.R. Madhav (Professor Emeritus JNTUH College of Engineering Hyderabad) Topic: Geosynthetics for Transportation Infrastructure
17:00 - 18:00 (IST) 6:30 - 7:30 (EST)	Dr. N. Kumar Pitchumani (Regional and Technical Director at AECOM India Pvt. Ltd., AECOM) Topic: Challenges in Underground Metro Construction
18:00 - 19:00 (IST) 7:30 - 8:30 (EST)	Prof. Richard J. Bathurst (Professor Emeritus, Royal Military College of Canada) Topic: Developments in Sustainable MSE Wall Technologies
19:00 - 20:00 (IST) 8:30 - 9:30 (EST)	Prof. Hassan Baaj (Professor, University of Waterloo, Canada) Topic: Innovation and Sustainability in Pavement Engineering and Transportation Geotechnics

March 06, 2021 (Saturday)

15:00 - 16:00 (IST) 4:30 - 5:30 (EST)	Prof. K. Rajagopal (Professor, IIT Madras) Topic: Use of geosynthetics for construction of Very Tall & Steep Runway Embankment at Kannur International Airport
16:00 - 17:00 (IST) 5:30 - 6:30 (EST)	Dr. Sandeep Shrivastava (Assistant Professor, MNIT Jaipur) Topic: Construction and Demolition waste: Valorization and Sustainability
17:00 - 18:00 (IST) 6:30 - 7:30 (EST)	Ashish D. Gharpure (Managing Director, Genstru Consultants Pvt. Ltd.) Topic: Landslides & Slope Stabilization-Investigations and Approach for Evolving Mitigation Measures
18:00 - 19:00 (IST) 7:30 - 8:30 (EST)	Prof. B. Umashankar (Professor, IIT-Hyderabad) Topic: Use of Geosynthetics in Construction of Transportation Infrastructure Facilities
19:00 - 20:00 (IST) 8:30 - 9:30 (EST)	Dr. Dipanjan Basu (Associate Professor, University of Waterloo, Canada) Topic: Sustainable Geo-Engineering and the Moving Load Problem
20:00 - 20:15 (IST) 9:30 - 9:45 (EST)	Valedictory Ceremony