



WCTRS-Y

WCTRS-Y: Newsletter of WCTRS Young Researchers' Initiative

Young Initiative of the World Conference on Transport Research Society: Meet us on May 26, 2019 in Mumbai, India!

WCTR 2019 - MUMBAI

Preliminary Programme
at a Glance*:

26 MAY 2019

WCTR-Y CONFERENCE

09:30 - 17:00

WELCOME RECEPTION and
DINNER for the WCTR (full
conference)

19:30 – 21:30

27 MAY 2019

OPENING CEREMONY
and PLENARY KEYNOTES

09:30 – 11:10

TECHNICAL SESSIONS

11:50 – 18:10

CULTURAL PROGRAMME

18:30 – 20:10

28 MAY 2019

TECHNICAL SESSIONS

09:30 - 13:10

GENERAL ASSEMBLY

14:30 - 16:10

TECHNICAL SESSIONS

16:30 - 18:10

GALA DINNER

19:30 – 21:30

29 MAY 2019

TECHNICAL SESSIONS

09:30 - 18:10

CULTURAL PROGRAMME

18:30 – 20:10

30 MAY 2019

TECHNICAL SESSIONS

09:30 - 11:10

CLOSING CEREMONY

18:30 – 20:10

TECHNICAL VISITS

14:30 – 18:10

31 MAY 2019

TECHNICAL TOUR

08:30 – 13:10

* As informed on November 23rd, 2018.

ABOUT WCTRS-Y

WCTRS organizes the Young Researchers' Initiative (WCTRS-Y) with the aim of encouraging young members of the society to raise their capabilities, and to become acquainted with the works of the society senior members in undertaking and managing key activities of the society.

By doing this, WCTRS prepares a new generation of young colleagues who will gradually take the lead and renovate the society. WCTRS-Y covers three main activities, namely, Y-I, Y-II and Y-III.

WCTRS-YI: ONE DAY CONFERENCE

WCTRS-YI is a one-day conference which will be held on the first day of the World Conference on Transport Research (WCTR), at the Indian Institute of Technology Bombay, India, on **26th May 2019**.

Dedicated to the next generation of transport academics, professionals and experts, the WCTR-Y presents the work and achievements of Ph.D. students, post-doctoral fellows and young researchers, giving them the opportunity to play a major role in scientific progress, and to discuss and interchange on new developments and ideas in transportation.

The theme of WCTR-Y 2019 is "**The Future of Transportation**". Sample topics to be discussed at the conference include but are not limited to: Smart Cities and Future Mobility, Mobility as a Service (MaaS), Green Transport, Active Transportation, Integrated Planning for Transportation (Including Freight Transportation) and Resilient Transport Systems, Advanced Traffic Management, Operations, and Safety.

WCTRS-YII: PH.D. STUDENTS' GRANTS

The goal of Activity Y-II is to inspire Ph.D. students and young researchers to produce innovative transport research. Five grants have been distributed. The **Innovation Prize** winner is "*Exploring optimal frequencies, capacities and line structures for public transport systems based on new technologies*" by **Andres Fielbaum**, University of Chile.

The winners of the four **Prestige Grants** are: "*Households' trip based vehicle allocation models for travel accompanying arrangements*" by **Nasmul Khan**, Dalhousie University; "*Youth mobility and access to economic opportunities*" by **Jeroen Bastiaassen**, University of Leeds; "*Risk based asset management for sustainable transport maintenance. Importance of the nature of the work on rail maintenance costs in developing countries*" by **Manu Sasidharan**, University of Birmingham; and "*Vernacular Governance of (informal) public transport*" by **Gurav Mittal**, Nat University of Singapore.

Our next newsletter will provide more details about the papers.

WCTRS-YIII: YOUNG ONLINE FACILITY

The third Activity (YIII) covers the development of an **online facility** for young members of WCTRS through a page on the main website of the society, **Facebook** page and a **Twitter** account. In addition, **newsletters** are sent to facilitate the exchange of knowledge, discuss transport research and share advertising Post-Doctoral grants, as well as jobs for young researchers in transport research institutions.

Join us on Facebook & Twitter!

The Facebook page for WCTRS young members has been launched. We will update the recent WCTRS-Y activities and related information on the **Facebook** page: **WCTRS-Young Researchers Initiative - 2019 Edition**. Please join us and share information with the members. You can also follow us on **Twitter (@WCTRY_2019)** for news and information on transportation research, and use #WCTRY2019 to share information on the conference.

EDITORIAL LETTER



Prof. Krishna Rao

Dr. K V Krishna Rao is a Professor of Civil Engineering at Indian Institute of Technology Bombay. He has over 30 years of teaching, research and development and consultation experience in the area of Transportation Systems Engineering. His contribution in the preparation of master plans for metro rail systems in the cities of Mumbai, Navi Mumbai, Pune and MMR in General are noteworthy. He was conferred with Excellence in Teaching Award in 2008, 2012 and 2016 by IIT Bombay. He is the Director of the forthcoming 15th World Conference on Transport Research which will be held at IIT Bombay from 26-31 May 2019.

Dear Young Researcher,
Greetings from IIT Bombay!

It gives me great pleasure to host the **15th World Conference on Transport Research (WCTR 2019)**, the flagship event of World Conference on Transport Research Society (WCTRS), from **26-31 May 2019** at **Indian Institute of Technology (IIT) Bombay, Mumbai, India**. WCTR 2019 will provide a forum for the interchange of ideas among transportation fraternity from all over the world, from a perspective which is multi-modal, multidisciplinary, and multi-sectoral. I am particularly delighted to host the 3rd edition of the **WCTRS Young Researcher's Conference** on the first day of WCTR 2019, i.e., on **26th May 2019** at IIT Bombay.

I am sure the young researchers and professionals working in transportation related fields will get to know more about the **rapidly developing transportation infrastructure in India meeting the accessibility and mobility needs of its over 1.25 billion people** keeping in mind the sustainability development goals. Indian Railways, one of the world's largest railway networks is now introducing high-speed rail on its network. India's civil aviation sector is the fastest growing sector in the world with massive expansion and building of new airports. India's coastline and maritime sector is undergoing comprehensive development with the commencement of ambitious Sagarmala project. The **biggest ever highway development plan to develop and expand approximately 83,000 km of highways by 2022** is currently on. Urban transport in India is getting modernised with implementation of network of mass transit systems in its cities.

Mumbai, the maximum city, with a population of over 23 million in its metropolitan area, with its suburban and metro rail system carrying over 8 million passengers every day in the region, will be an ideal place for the young researchers to discuss and debate about "the future of transportation". The city's transportation scenario is transforming with the ongoing implementation of many additional mass transit lines enhancing the existing public transport passenger carrying capacity by 2 times. The region also is seeing major developments in aviation, maritime and highway sector with the ongoing construction of second international airport, fourth terminal for the port, trans harbour links, freeways and multimodal corridors.

IIT Bombay, the venue of WCTR 2019, is one of the top technical universities in the world. With its over 10,000 students and 650 faculties of high calibre, the institute is recognised worldwide as a leader in the field of engineering education and research. It will be a great opportunity for the young researchers of IIT Bombay to interact with the participants and coordinators of the activities of WCTRS-Y Initiative.

The members of Conference Directorate from the Transportation Systems Engineering Group, Civil Engineering Department of IIT Bombay look forward to welcome you all to WCTRS Young Researchers' Conference and the Main Conference in May 2019 at IIT Bombay.

With best wishes,

K V Krishna Rao

15th WCTR Director
Professor, Civil Engineering Department
IIT Bombay, Mumbai, India

THE INTERVIEW



Prof. Ali Huzayyin

Prof. Ali Huzayyin, Cairo University, is a leading scholar with vast international experience on education, research, training, advisory and consulting on transportation planning, public transport, policy/governance, sustainability, and transport safety, etc. He is the WCTRS Steering Committee member responsible for the Society's Operating Practice and Conference Site Selection, and is the founder of the unique WCTRS-Y Initiative and Leader of its first two Editions. He is a long time member of CODATU Board and is its 1st Vice President. He led the Advisory Board that reviewed UN-HABITAT GHRS-2013; on planning and design for sustainable urban mobility. He took a major role in international transport related project activities and major advisory with WB, EU, AFD, JICA and member of TRB International Cooperation Committee and others. He initiated and organized many international training programmes for young transport researchers and professionals in many cities in developing countries.

What are the objectives, research areas and geographical scope of the World Conference of Transport Research Society?

The Society's objective is to provide a forum for global exchange and networking between transport academics, researchers, managers, policy makers and educators, from multi-modal, multi-disciplinary and multi-sector perspective, regardless of the geographical regions and countries of the world. WCTRS members are specialised in many transport research areas covering planning and engineering, design and modelling, policy and management, logistics and informatics, environment and energy, etc., as related to road, rail, river, maritime and air transport and in the urban, national, regional and international contests for passengers and freight. The Society series of conferences (WCTRs) reflect such wide spectrum of interests and geographic context and country experience. Furthermore, a distinctive role of successive WCTRs is to identify and update emerging issues and new opportunities of a policy, managerial, or technical nature which influence transport research, policy, management and education as the time grows and the technology, application and research advance dictates.

Why do you think WCTRS Young Researchers Initiative, WCTRS-Y, is important?

Launched in 2011, WCTRS-Y aims to train and encourage young members to gain experience and competence in undertaking activities of the society, to excel in transport research and to encourage new young researchers to join WCTRS by offering opportunities to enjoy sound benefits from membership. It covers three activities Y-I, II and III. Activity Y-I (WCTR-Y) is a one-day mini WCTR to be organized totally by young members who apply to join, every three years, and from among those will be all the players; authors, referees, session chairs and conference chair of the mini conference, under full guidance and advice of two volunteering seniors from the STC. It is not an ordinary open conference organized for young people; it is rather a unique educational tool for "on-the-job" training of young members of the WCTRS on conference organization to prepare them for taking charge of future higher level society duties and activities.

Y-II, WCTRS Ph.D. Students' Grants, offers precious opportunity for Ph.D. students' who are members of the society to excel in research by applying every three years to compete for one Innovation and four Prestige Grants under a tight peer review process from the STC to ensure quality and novelty of research. Y-III, WCTRS Young Online Facility, is devoted to encourage two from amongst the young members who apply every three years, to establish online communication for young members through the Society Website, and to issue Newsletters in which vacancies of Post-Doctoral posts and jobs for young researchers worldwide are advertised, interviewing seniors of the Society, announcing updates on Y-I activity and featuring the winners of Y-II activity and their grants' research topics, etc. Bearing in mind the above mentioned activities, the importance of WCTRS-Y is clear. It offers excellent opportunities to young members of Society to benefit by improving their own qualities, preparing them for future higher level participation in the Society's committees and activities, and at the same time, gaining financial benefits, while they are still studying as young researchers.

We know that you are the member of the WCTRS Steering Committee responsible for the Operating Practice and Constitution; kindly explain to young members of WCTRS what is the difference between the former and latter?, and why the former changes over time?

Thanks for this important question. The Society was established in 1986 under Swiss law. The Constitution of WCTRS is accurately written in a precise short text stating the objectives, organisation and main principles of running the Society. However, there are many procedures for running the activities of the society. For example: organizing the WCTRs every three years; establishing the Special Interest Groups; Society Journals; organization of WCTRS-Y, etc., and these cannot be accommodated in detail in the Constitution one paper document. Hence, the Constitution states the need to produce an Operating Practice document that is in line with the Constitution and that gives details of the guiding rules of our activities, so they can be run smoothly and institutionally, regardless of who is in charge of the activity.

Nevertheless, as our experience grows, the operating rules should change. Furthermore, we always introduce new activities and expand existing ones to meet the desires of our members and catch up with the ever changing ICT, e.g., from postal letters and fax era to e-mail and online. Therefore, the operating practice document changes from time to time in successive versions, to keep pace with the changing operations. That is why it is named “*Current Operating Practices*”. I hope this answers you question.

With your experience worldwide and as President, Advisory Board of UN-HABITAT Human Settlements Global Research Network 2012/2013 which led and reviewed the GRHS-2013 on Planning and Design of Sustainable Urban Mobility; what are the principles of planning sustainable urban mobility?

Many useful lessons on sustainable urban mobility, and transport, can be drawn as you mention in the question from the gained experience with different cities in the world and also from the report you named above.

First is the need for paradigm shift on six directions: ‘access as ultimate objective of transport’, ‘equitable

access as a human right’, ‘strengthening role of transport’, ‘reviewing relation between urban form and mobility, e.g., population and buildings density, diversity of mixed land use and their spatial arrangement and distance to transit’, ‘support sustainable modes, transit and NMT’, and ‘mass transit in big cities as the backbone of transport’. Besides, urban freight should not be ignored in the transport planning process as it bears much on the economy and affects daily life of the community. In reality it is difficult to reach applicable actions and measures that can directly put those new directions, of the required shift in thinking, into practice. Many challenges are ahead and will continue with increased complexity, namely, social, financial, environmental and institutional challenges. Those reflect consequent challenges on design and policy and on operation and management and differ between cities and nations. They also change by time and contest and are affected by technological, human resource and financial capabilities, particularly in developing countries. This is an additional challenge. However, we the researchers love to face challenges and are requested to search for applicable solutions. I hope you agree.

JOB OPPORTUNITIES

Lecturer in Railway Control and Engineering,
Institute for Transport Studies, University of Leeds, UK:
<http://jobs.leeds.ac.uk/ENVTR1079>
Deadline: Thursday 13 December 2018

Postdoctoral Fellow/Research Associate in Connected and Autonomous Vehicles, Hong Kong Polytechnic University, Japan:
<https://engineering.AcademicKeys.com/job/v0rmb2d8>
Deadline: Open until filled

Assistant Professor in Transportation Engineering, Florida Atlantic University, Florida, USA:
<https://engineering.academickeys.com/job/kwzi8aru>
Deadline: Open until filled

Post-Doctoral Researcher in Transportation, University of Memphis, Tennessee, USA:
<https://engineering.academickeys.com/job/zhlayg5d>
Deadline: Open until filled

Postdoctoral Associate Transportation Engineering Specialty, California State University, Fresno, USA:
<https://engineering.academickeys.com/job/fdjum54r>
Deadline: Open until filled

DISCLAIMER

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<http://www.leeds.ac.uk/terms>.

EDITORS Y-III

Sara Abd Alla
Università degli Studi di Genova
sara.abd.alla@edu.unige.it



Adrien Beziat
Laboratoire Aménagement,
Economie, Transports (LAET) – ENTPE
adrien.beziat@entpe.fr



ADVISORY & SUPERVISION

Laetitia Dablanc
Director of Research at the University of Paris-East – IFSTTAR
Member of the Steering Committee of WCTRS and Leader of WCTRS-Y
laetitia.dablanc@ifsttar.fr

Yoshitsugu Hayashi
Prof. at Chubu University, Japan WCTRS President
y-hayashi@isc.chubu.ac.jp

Antonio Musso
Prof. at the University of Rome
WCTRS-Y Senior Advisor
antonio.musso@uniroma1.it

Fusun Ulengin
Prof. at Sabanci University
WCTRS-Y Senior Advisor
fulengin@sabanciuniv.edu

Jennie Stones
WCTRS Secretariat Office
wctr@leeds.ac.uk