

WCTRS-Y

WCTRS-Y: Newsletter of WCTRS Young Researchers' Initiative

WCTR 2016 Shanghai, China

Programme at Glance* :

10 JULY

WCTR-Y CONFERENCE

08:30 - 17:30

WELCOME COCKTAIL

19:00

11 JULY

OPENING SESSION

08:30 - 09:00

PLANARY SESSION

09:00 - 10:00

TECHNICAL SESSIONS

10:40 - 12:20

TECHNICAL SESSIONS

13:30 - 17:10

12 JULY

TECHNICAL SESSIONS

08:30 - 15:20

GENERAL ASSEMBLY

15:30 - 17:10

GALA DINNER

19:00 - 21:00

13 July

TECHNICAL SESSIONS

08:30 - 17:10

14 JULY

TECHNICAL SESSIONS

08:30 - 10:10

CLOSING CEREMONY

10:30 - 12:10

TECHNICAL TOUR

13:00 - 18:30

15 JULY

TECHNICAL TOUR

08:30 - 12:30

*as informed on June 13th, 2016.

EDITORIAL LETTER: PROFESSOR HAYASHI



Prof. Dr.-Eng. Yoshitsugu Hayashi is Professor of Chubu University, Japan, and Full Member of Club of Rome. He has been the chair of WCTRS - SIG (Special Interest Group) on "Transport and Spatial Development" since 1989, on "Transport and the Environment" since 2001, and the chair of Scientific Committee for whole research areas since 2007. He has been President of WCTRS since July 2013.

Dear young members of WCTRS,

First of all, I would like to admire you for your playing very active roles in promoting WCTR Society. WCTRS are running the below three programs for young members under Edition 2 of its WCTRS Young Researchers Initiative (WCTRS-Y Ed-2), namely, 1) WCTRS - Y1: "A one-day mini WCTR", accompanying each main WCTR, 2) WCTRS - YII: "WCTRS Ph.D. Students' Grants", for those enrolled in Ph.D. programmes, and 3) WCTRS - YIII: "WCTRS Young Online Facility".

Having been involved in these activities, those of you who will have proved excellence shall be invited to undertake and manage key activities of the Society cooperating with senior members as a reviewer for journals, as an associate member of the Scientific Committee to promote various activities, as an editorial member for Newsletters, etc. These experiences are valuable to open your eyes to a much wider world. You will naturally understand what are becoming critical issues in transport and can easily grasp what is going on in various areas of transport research. This obliges you to make a big progress.

A certain number of young WCTRS members have already experienced in the processes to prepare Rio and Shanghai conferences and have developed themselves a lot. I very much look forward to participation of many young researchers in the WCTR Young conference to be held on July 10 (Sun), just before the WCTR main conference, in Shanghai, their challenges to communicate with different people and making many friends. You, young researchers, are the treasures for WCTR Society who will lead the future WCTRS.

In closing my message, I would like to extend my deepest appreciation to Professor Ali Huzayyin who initiated with creative ideas and has led the WCTRS Young Researchers' Initiative (WCTRS-Y) all the way to a big success.

Best wishes,

Yoshitsugu Hayashi, President of WCTRS
Professor of Chubu University, Japan

WCTR Young Conference, Y-I Ed-2, 10 July 2016, Shanghai

General Theme: Transport Innovations for Mobility and the Environment

(Diverse Research Applications)

Programme at Glance

09:00 – 09:30: Registration / 09:30 – 10:15: Opening (SA) / 10:15 – 11:15: Session SB
11:30 – 13:00: Session SC / 14:00 – 15:30: Session SD / 16:00 – 17:30: Closing (SE)

THE INTERVIEW: PROFESSOR MANFRED BOLTZE



Dipl.-Ing. (1984) and Dr.-Ing. (1988) at Darmstadt University of Technology. Head of the Section Transport Planning and Traffic Engineering of Darmstadt University of Technology since 1997 and Scientific Advisor of the Institute for Integrated Traffic and Transport Systems (ZIV – Zentrum für integrierte Verkehrssysteme GmbH). Prof. Boltze was a member of the Scientific Advisory Board at the German Federal Minister of Transport and Digital Infrastructure (2009-2015). He is Chairman of the Scientific Committee and member of the Steering Committee of WCTRS since 2014.

As the Chairman of the Scientific Committee of WCTR 2016, what are your hopes and outlook for this conference?

First of all, as a member of the team which organises the conference, I do hope that everything will run smoothly and without major problems. My major wish certainly is that participants of WCTR 2016 can have fruitful and inspiring days at the conference. I hope for a lively exchange among researchers as well as between researchers and practitioners. With participants from about 70 countries, this conference is offering a unique platform for international exchange, and I wish that the delegates will utilise this wonderful opportunity to meet people with different cultural backgrounds and to discuss transport research issues beyond any political and cultural differences. Every new contact and every shared new idea taken back home by the participants, after the conference will be a success for WCTR 2016.

Please give us a general perspective on the scientific programme of WCTR Shanghai.

The scientific programme includes nearly 1,200 papers presented in oral and poster sessions, covering all major aspects of transport research. This is organised in eight topic areas, including a total of 39 session tracks. In addition, there will be more than 20 very interesting special sessions with invited speakers. Conference participants are also very welcome to join the meetings of WCTRS Special Interest Groups (SIGs) to get in touch with their colleagues from all over the world. I also like to mention the "Ad-hoc Session" which we have organised this year for the first time. Within this session, all delegates will have the opportunity to present their work and items to discuss at a booth. While these presentations are not included in the conference documents, no abstract is required and no full paper. The aim is just to stimulate discussion, even if it is about research ideas and less mature work, e.g. also from less experienced scientists.

How the young researchers can benefit from attending WCTR 2016?

Young researchers will have excellent opportunities to present and discuss their work. They can meet so many experts working in the same discipline, and they can extend their professional network, e.g. by joining one of the Society's Special Interest Groups.

The Young Researcher's activities of WCTRS are offering additional opportunities, e.g. to train their skills in conference management and peer reviewing. I would also like to highlight a Special Session on "How to Get Published in Scientific Journals". Beyond all professional aspects, I think that specifically for young people it is very important to learn about different cultures, as mentioned above.

Typical transportation problem solving requires technical knowledge and access to technology. Implementation of solutions is usually constrained by policy and regulation issues. Do you see barriers between the academia and policy makers? How those can be bridged?

Certainly, there are barriers, and the gap between the state of research and the state of application is very obvious, even in developed countries. As transport researchers, our best option is to search for opportunities for an exchange with the policy makers. We must better understand their conditions and requirements, and they must learn from our research results and knowledge. This exchange is one of the major motivations in our society WCTRS. Our conference, our Special Interest Group activities, our journals "Transport Policy" and "Case Studies on Transport Policy", as well as our cooperation with other international organisations aim at such important exchange with policy makers.

Finally, as the Chair of the Scientific Committee of WCTR 2016, and member of the Steering Committee of WCTRS, how important would you say is the WCTRS-Young Researchers' Initiative?

In my opinion, the WCTRS-Young Researchers' Initiative is not just important but also necessary. Young researchers must be integrated as early as possible in the international networks, and they must gain professional experience not only in their own country, but also abroad. We must provide them with the best opportunities to develop their skills, and, on the other hand, we need their innovative ideas. Finally, since our Society is built on voluntary contributions from individual members, we also need the young professionals with their fresh motivation and energy to support the aims of WCTRS.

WCTRS-YII Ed-2: PHD STUDENTS' GRANTS WINNERS

Aim: to inspire PhD students to compete for further transport research, to be stimulated to submit papers for WCTR and to enjoy sound benefit from society membership.

Four Grants were offered by WCTRS for Y-II Ed-2: One Innovative Grant (worth Euro 4000) and three Prestige Grants (worth Euro 2000 each).

For more information: wctrs-society.org

Haneen Khreis (University of Leeds)



Innovation Grant Winner

Title of the Grant Paper:

"Critical Issues in Estimating Human Exposure to Traffic-Related Air Pollution: Advancing the Assessment of Motor Vehicle Emissions Estimates"

Objective and main conclusions of the Grant Paper: This paper presents an advanced method for developing vehicle average-speed-emissions curves, tailored to real-world driving. The results indicate that at the lower average speeds emission estimates are significantly different when compared to the widely practiced method across Europe. Its application in epidemiological studies and environmental and transport policy is discussed.

Hendrik Braun (The University of Western Australia)



Prestige Grant Winner

Title of the Grant Paper:

"Revenue management in road freight transport: Capacity control and dynamic request integration under profit maximization"

Objective and main conclusions of the Grant Paper: The paper describes an approach for an integration of revenue management into road freight transport. Prices are calculated by comparing marginal costs for the insertion of new requests with the current market price under a dynamic vehicle re-routing. The experiments show that the RM system is superior to distance-based costing approaches and underline the inaccuracy of the latter.

Jonathan Gomez (Karlsruhe Institute of Technology)



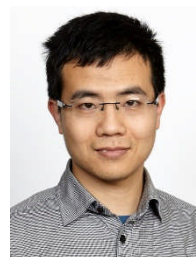
Prestige Grant Winner

Title of the Grand Paper:

"Car technologies and their impact on climate - A system dynamics approach."

Objective and main conclusions of the Grant Paper: The paper aims at investigating possible impacts of car powertrain technologies on future energy demand and its corresponding greenhouse gas emissions. The main conclusion, based on a dynamic model, is that electric cars may have a positive contribution to emissions mitigation in transport, provided that a target for clean electricity generation is jointly implemented.

Long Tien Truong (Monash University)



Prestige Grant Winner

Title of the Grant Paper:

"Transit signal priority model considering arterial progression and stochastic bus arrival time"

Objective and main conclusions of the Grant Paper: This paper describes an advanced transit signal priority (TSP) control model that considers bus progression at downstream intersections when giving priority at upstream intersections and stochastic bus arrival times. Simulation results show that the advanced TSP control creates an additional improvement in bus delay of 11% to 19%, compared to the conventional TSP control.

JOB OPPORTUNITIES

Research Fellow for international Cooperation: Various Institutions in Brazil: <http://www.capes.gov.br/cooperacao-internacional>

Associate Professor in Industrial Management with specialization in Strategic Supply Chain Management, KTH Royal Institute of Technology, Stockholm, Sweden:

<https://www.kth.se/en/om/work-at-kth/lediga-jobb/what:job/jobID:68976/where:4/>

Post-Doctoral Researcher in Supply Chain Management, ETH Zürich, Switzerland:

http://eth-gethered.ch/jobs/post_doctoral_researcher_in_supply_chain_management/33837

Assistant Professorship in Distribution Logistics, Jacobs University, Bremen, Germany:

<https://www.jacobs-university.de/jobs/assistant-professorship-distribution-logistics-ju-16-18>

Vehicle Emissions Researcher, ICCT, Berlin, Germany :

<http://www.theicct.org/vehicle-emissions-researcher-berlin-2016>

Assistant Professor of Distributed Simulation, TU Delft, Netherlands:

<https://vacature.beta.tudelft.nl/vacaturesite/permalink/574659/?lang=en>

Research Fellow in Urban Planning, Rice University, Houston, TX, USA: <https://jobs.rice.edu/postings/7333>

Senior Lecturer in Civil Engineering, University of Texas, Arlington, TX, USA: <http://www.uta.edu/hr/careers/>

Lecturer in Transportation, University of Colorado, Denver, CO, USA:

<https://cu.taleo.net/careersection/2/jobdetail.ftl?job=38142&styp=JB-10062>

Full time assistant professor, University of Florida, USA:

<http://explore.jobs.ufl.edu/cw/en-us/job/495161/astasofull-prof>

Assistant Professor, Smart Living, Missouri University, USA:

<http://hr.mst.edu/careers/academic/>

JOIN US ON FACEBOOK!



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. Please join us there and share information with the members: <https://www.facebook.com/wctrsy/>

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