The 5th TMI International Seminar
Nagoya University & Tsinghua University Joint Event

The Innovation of Transportation Systems for Future Mobility Society

February 17, 2023
16:00 -19:30 (JST) / 15:00 -18:30 (CST)

This joint seminar provides a chance to exchange the innovation of transportation systems and ongoing research projects in both countries. Various topics for future mobility, Mobility as a Service, Data Use, Value of Mobility…, will be discussed.

Venue
Online using Zoom
(Meeting link will be informed to the attendees only)

Contact
Nagoya University TMI International Relation Committee
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Program

Presentation: 10-12mins Q&A: 3-5mins Total time: 15mins

1 Welcome & Program Overviews
16:00-16:05 (JST) / 15:00-15:05 (CST)
Toshiyuki Yamamoto (Professor, Nagoya University)

2 TMI Program Introduction
16:05-16:20 (JST) / 15:05-15:20 (CST)
Nobuo Kawaguchi (Professor, Nagoya University/Director of TMI)

3 Present Situation and Development trend in China
16:20-16:35 (JST) / 15:20-15:35 (CST)
Huapu Lu (Professor, Tsinghua University)

4 Promotion of MaaS projects
16:35-16:50 (JST) / 15:35-15:50 (CST)
Ryo Kanamori (Associate Professor, Nagoya University)

5 The latest progress of traffic behavior research in our laboratory
16:50-17:05 (JST) / 15:50-16:05 (CST)
Jing Shi (Professor, Tsinghua University)
Muladilijiang Baikejuli (Tsinghua University, Ph.D candidate)

6 Social preference of hydrogen charging stations
17:05-17:20 (JST) / 16:05-16:20 (CST)
Hitomi Sato (Associatte Professor,Nagoya University)

7 Smart road infrastructure
17:20-17:35 (JST) / 16:20-16:35 (CST)
Runhua Guo (Associatte Professor,Tsinghua University)

8 Value of mobility - trade off between face-to-face and online activities
17:35-17:50 (JST) / 16:35-16:50 (CST)
Meilan Jiang (Lecturer, Nagoya University)

----- *10 minutes break* -----

9 Recursive decomposition probability model for real demand estimation of street-hailing taxis utilizing GPS trajectory data
18:00-18:15 (JST) / 17:00-17:15 (CST)
Jianbiao Wang (Nagoya University, Ph.D candidate)

10 The optimal route choice for modular mobility system considering congestion-based dynamic travel time
18:15-18:30 (JST) / 17:15-17:30 (CST)
Zhuotong Bai (Tsinghua University, Ph.D candidate)

11 Old drivers risky driving behavior analysis utilizing DR driving trajectory data
18:30-18:45 (JST) / 17:30-17:45 (CST)
Yuanfang Zhu (Nagoya University, Ph.D candidate)

12 Intelligent vehicle operation characteristics and optimization under vehicle-road cooperation
18:45-19:00 (JST) / 17:45-18:00 (CST)
Tianshi Wang (Tsinghua University, Ph.D candidate)

13 Final discussions and Closing Remarks
19:00-19:10 (JST) / 18:00-18:10 (CST)
Huapu Lu (Professor, Tsinghua University)
Takayuki Morikawa (Professor, Nagoya University)

----- *End of the seminar* -----

19:10-19:30 (JST) / 18:10-18:30 (CST)
Closed meeting among the speakers for future collaboration between the two universities