# Research Internship At Polytechnique Montréal

工学研究科　博士後期課程　２年

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## 計画の概要

1. Attend the ISCTS 2017 conference

2. Visit the Bicycle Sharing System(BIXI) in Montreal

3. Visit the Car Sharing System (AuM) in Montreal

4. Introduction of our researches

5. Participate in the discussion with the PHD students in the Transportation Research Center of Montreal University

6. Initial attempt to use our models to analysis data of mobility sharing system in Montreal

7. Discuss on the possibility on the cooperation in long term

## 成果

1.Presentation and feedback of our researches

We gave the presentation of the research of Graphic Pattern of Users behavior in Transportation System in the conference, and got some positive feedback. These comments and questions may us to improve our methodology and solve the problems in the future.

2.Understanding the Mobility Sharing system in Montreal

Actually, the Mobility Sharing Systems in Canada are quite different from the ones in Japan. The visit to these systems can help us have a better understanding on the difference in the operation, price policy, facilities extension and service mode.

3.Communication with the foreign researches

Attend the ISCTS conference and have a visit to the Montreal University let me have a opportunity to see the researches outside of Japan and tendency of the development in the transportation area in the future. I also got inspiration from others researches and it can help me to make the planning for the future researches.

4.Access to the Car-sharing system data in Montreal

Since the prof. Trepanier were quite interested in our research modeling for the user behavior changes and adoption in mobility sharing system, we can access to the data of the Car-sharing system(AuM) in the Montreal. To my surprise, the system provides users two kinds of different service, one is the station-based car sharing service, the other is the free-floating service, which means that one user can pick or return the vehicles in any space in the service area rather than the fixed stations. The free-floating car sharing system are rare in the world, since the difficulty in the management. Besides, this system has the detailed personal information of users, such as age, gender, address, post code and other. These data can extend our researches and provide us more possibilities.

5.The possibility for further cooperation

This visit to the prof, Trepanier of the Montreal University make both of us can have a better understand the advantages of our group and his group, which is the foundation of the long-term cooperation. I believe it is just the beginning, in the future we can cooperate on more aspects, not only the modeling and analysis of user behaviors changes in mobility sharing system.


All participants