

Research Topic	Shared Space in Vienna	Engineering
Host University	TU wien / Vienna/ Austria	Civil Engineering
Duration	From 10/20/2022 to 1/31/2023	Kajita Shonosuke

Summary of the Research Activities

My Research Topic is Shared Space. Shared Space is the road used by both cars and people(Fig.1). On this road, pedestrians and cars coexist, and the border between the roadway and the sidewalk is nothing or weak. And they remove signs and traffic-light intentionally to make aware that the road is not only for cars but also pedestrians. Then they change the road to be a space that pays attention to each other about transportation. This method offers the advantage that is safer and more comfortable than the other community road and leads to the activation of locomotor activity. So what about the real ability about safe or comfortable? From the Previous Research, there are effects or manuals about Shared Space, but there is little research about validity. Some research about validity uses only the subjective method like a questionnaire survey and does not use the objective method. Therefore we survey the validity of Shared Space by the objective method. In this method, we focus on only the comfortable of Shared Space. And we have redefined the meaning of comfort so that pedestrians can freely use the all road space. If this is the case, we hypothesized that the presence of pedestrians in the roadway area would be related to comfort. We then conducted a survey focusing on the behavior of pedestrians on the roadway in shared spaces. In order to examine the movement of people within the shared space, this study visually surveyed the flow of people around noon on weekdays. The results are shown in Figure 2, which shows the movement of people at diagonal crossings and free driveways. Thus, in Shared Space, free pedestrian behavior on the roadway exists and is more comfortable than on other roads. In the future, we intend to confirm the validity of this evaluation method and apply it to the effectiveness of Shared Space in Japan and to the preparation of manuals.



Fig. 1 Shared Space in Vienna

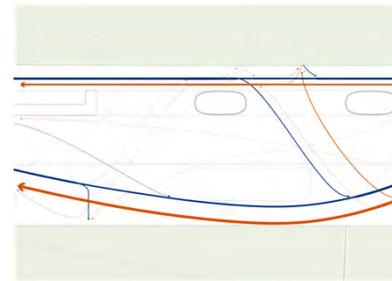


Fig. 2 Survey

College Life, Friends and Others

I'd many opportunities to interact with international students from various countries, and I was able to experience various values and different ways of looking at things, which made for an enjoyable life! I was able to visit other countries and had the happy experience of seeing and thinking about urban environments in various countries with my own eyes.



指導教員講評

伝統・文化に直に触れながら、日本には無い計画・設計の考え方の面白さを知るきっかけになったと思います。

指導教員氏名: 田中 一成