



**Report on the short-term overseas study program
for KU Engineering students
Graduate School of Engineering, Kyoto University**

Name:	Kosuke Tahara	Date:	2022-12-09
Department/ Undergraduate School:	Department of Nuclear Engineering	Grade:	2 nd grade of master's course
Main body:	<p>[Madison]</p> <p>I stayed at University of Wisconsin-Madison (UW-Madison) through this program. This university is the flagship campus of the University of Wisconsin System, university system including 13 public universities in Wisconsin. Madison, the city where the university is located, is also the capital of the state of Wisconsin and has a capitol building in its center. More than half of this city consists of the university campuses and its associated facilities, and it has an atmosphere of a student town, like Kyoto. Public transportation, Madison Metro Transit, is well maintained and a bus will get you anywhere in the city for \$2. Winter in Madison was very dry, windy and bitterly cold. During my stay, there were several days when the temperature was below freezing even in the daytime.</p> <p>[HSX group]</p> <p>I visited HSX group in the Electrical and Computer Engineering department at the UW-Madison. HSX is an experimental device of magnetically confined plasma and known for its unique magnetic field structure. My laboratory has been collaborating with this group for a long time, and I am going to collaborate with them in my doctoral course. The research topic in my doctoral course is related to the behavior of</p>		
		Fig.1	
			The Wisconsin state capitol
		Fig.2	
			A view on a snowy day
		Fig.3	
			HSX device

energetic electrons in the existence of electromagnetic turbulence. Unfortunately, due to the COVID-19 pandemic, some people have been working remotely, and I was not able to meet all the lab members face-to-face. But I learned a lot through joining the meeting on my collaboration research and the seminars on plasma turbulence during my stay.

[Life in Madison]

The interaction with the students in the laboratory made my stay very fruitful. They supported a lot during my stay, and we sometimes had meaningful discussions about each other's research topics. One day they took me to the "library", later it turned out to be a bar named "Library", and we had a great time there.

One of the most memorable events was spending Thanksgiving Day, one of the holidays in America, with a Lee's (he is in the middle of Fig.5) family. Not having heard of Thanksgiving before then, I was fortunate that he invited me and able to experience American culture.

It was my lack of English language skills, especially listening skills, that was the biggest obstacle for me during my stay. In the early days of my stay, I could hardly understand what native speakers were saying and make myself understood in my poor English, and it was difficult for me to communicate with them. However, seeing their attempts to understand my poor English, I was able to communicate with them without fear. I think it was because they respected what I said, not my English ability. Therefore, I felt that it was important not

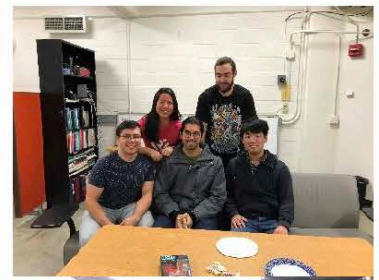


Fig.4



Fig.5

Students in HSX group



Fig.6

The Library: where students are eager to attend

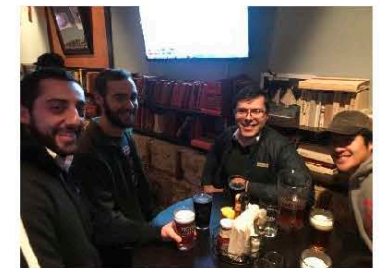


Fig.7

Students working in the Library enthusiastically

only to improve my English ability, but also to grow as a person so that I can have more meaningful discussions and enjoyable conversations.

[Acknowledgements]

I am very honored to have been selected for this program. I would like to thank all the people who supported me before, during and after this trip.

Fig.8



Lee and his family at Thanksgiving