

# ICR-iJURC Report

## *Research visit at Ono's lab*

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I belong to Professor Sanghoon Kim's group at the University of Ulsan in Korea, and I had the opportunity to visit Professor Ono's laboratory at Kyoto University's ICR to conduct collaborative research. Thanks to Professor Ono's kind invitation, I was able to carry out experiments at the ICR for two weeks, and I am deeply grateful to everyone who made this valuable opportunity possible.

During the research period, under the guidance of Dr. Feifan Ye, I fabricated nanoscale devices using E-beam lithography and maskless photolithography, and characterized their electromagnetic properties with a vector electromagnet. Through these processes, I gained hands-on experience in nanopatterning techniques and magnetically driven measurements using a probe measurement system while collecting data.

While staying in Kyoto, I was also able to visit various places such as downtown Kyoto and Osaka. Although the stay was short, it was a truly wonderful opportunity to experience and understand Japanese culture. In particular, I found yakitori to be an outstanding dish.

The research and interactions with the members of Professor Ono's laboratory over the two weeks greatly motivated me. Although I have now become a member of the Ono lab, I would like to once again express my sincere gratitude to Professor Ono for giving me this opportunity, to Dr. Feifan Ye for his comprehensive assistance with the experiments, to Ms. Tanaka for her considerable help with administrative matters, and to everyone in the laboratory.

