

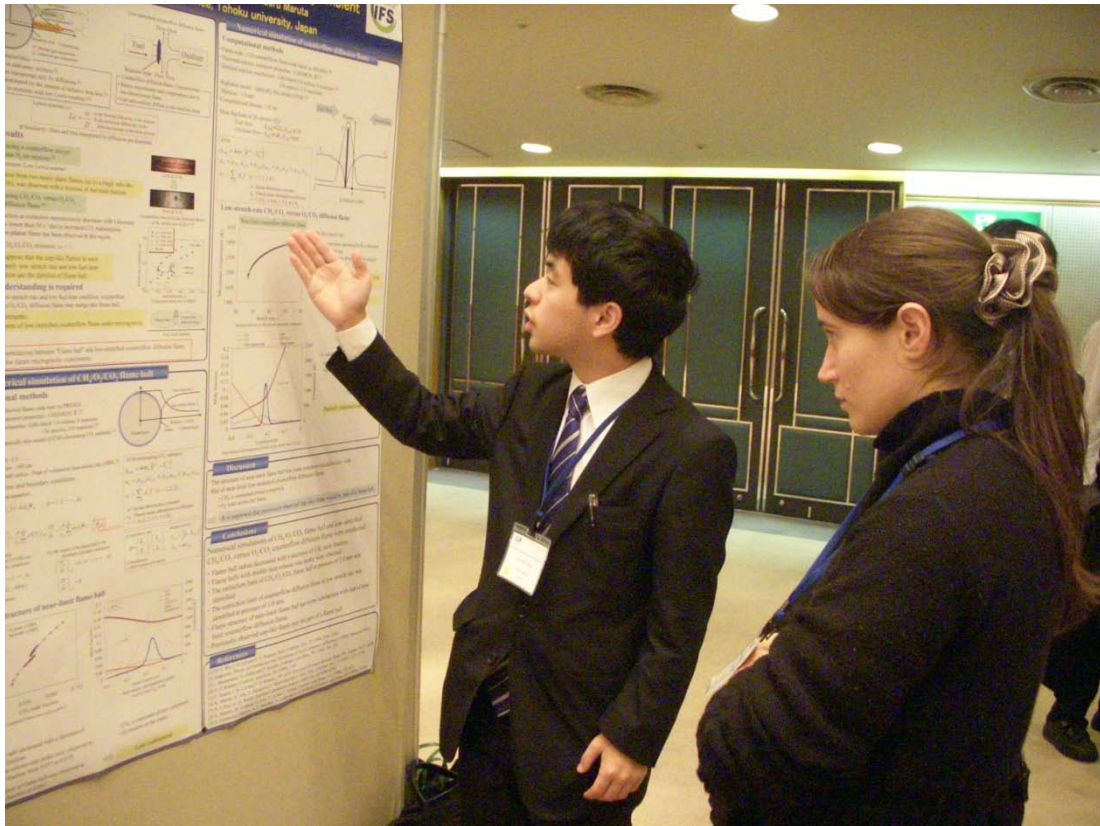
Internship at the Institute of Fluid Science, Tohoku University

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Research

I was given the opportunity to do a 6-month internship in the Maruyama-Komiya Laboratory. This was my first long-term research project and was therefore very enriching. I conducted research on thin plastic films used to cover greenhouses. The first step was to measure the optical and thermal properties of plastic samples, using measurement devices available at the Institute of Fluid Science. Based on this experimental data, the complex refractive index of various materials was obtained, then input in a greenhouse model to compare their influence on the greenhouse environment.

This was very interesting as I did both numerical simulation and experiments. I really learned a lot from the other students. Also, this study has a very direct link to agricultural applications. Visiting the Miyagi Prefecture Agricultural Center and discussing with farmers really helped me to understand the main issues.



Discussing in front of a poster during ICFD2010

Events

I was very lucky to be able to participate in many international events. Tohoku University and the Global COE are very active in promoting worldwide collaboration. I took part in the Tohoku University Summer Program, where students from partner universities around the globe came to discuss the impact of technology on society. It was very interesting to discover the research done in Tohoku University in fields as varied and meaningful as robotics, material science or game theory.

Other main events include the ELYT Lab Autumn School and the ICFD2010. I was able to discuss with many students from Japan or other countries and presented my research during the Autumn School. I also shared my studying abroad experience at the ICFD Friendship Night.



Presenting my abroad experience at ICFD2010 Friendship Night

Friendship

This internship was for me a great opportunity to discover Japanese culture and make many friends. I was very happily surprised by the warm welcome I received from students and professors. I spent a great time in Japan and definitely want to keep in touch to be able to meet them again, for fun or future collaboration. Just before the end of my internship, I was able to participate in the *Dontosai* festival, during which we marched in the cold night to reach a shrine. It was a very cold, unforgettable experience!



Dontosai festival

Thank you so much for this internship, so enriching for my professional and personal development.