

COE Internship Experience Note

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First of all I want to thank my supervisor Dr. Keisuke Asai for the opportunity and his help for this research trip that spanned from 15th of July to 1st of October 2007.

On the research side the visit was concentrated on performing the Pressure Sensitive Paint (PSP) measurements behind the oscillating fence. We, at University of Wyoming, are studying the use of oscillating fence to alter the aerodynamic loading on a surface. PSP is a sophisticated way of getting spatially continuous but discrete in time pressure distribution as opposed to the pressure transducers that can provide time-continuous but spatially discrete pressure traces. These experiments were considered especially challenging because unsteady PSP is a relatively new field. Some experiments were also conducted in collaboration with Japan Aerospace Exploration Agency (JAXA). I also had an opportunity to visit JAXA my self and see some their facilities and a chance of attending International Conference of Fluid Dynamics.



With Dr. Asai and his group

The visit was just as rewarding personally as it was research-wise. I got to make a lot of new friends from Dr. Asai's group. I would also like to thank them for their patience with my poor (actually non-existent) Japanese. They organized quite a few social gatherings that were quite entertaining. Among other places that I visited, Sendai Castle and Matsushima Bay are some that I liked very much for their serenity.

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Last but not the least I would like to thank the administrators of COE program for providing me with this opportunity. Special thanks are due to Ms. Nao Konohara who tirelessly helped me before and after my arrival in Tohoku University. I wish COE staff and Dr. Asai and his group all the best for their future projects.