Experience note

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- Institutions: Seoul National University (Republic of Korea)
- Research themes: Multidisciplinary Design Optimization and Experimental Test
- Period of Internship: May, 11, 2009 - Oct., 5, 2009

First of all, I would like to express my sincere gratitude to Prof. Shigeru Obayashi and Prof. Shinkyu Jeong for the opportunity to study in IFS.

In Tohoku University I made some experiments about Optimal Shape Design and 3-D printer for rapid prototyping. Tohoku University is in the forefront in my field, moreover great computational resources are good test facilities available. Specially, I had good chance to use both system for CFD simulation and EFD wind tunnel test. I got a good result and I submitted some journal papers and conference papers with these results.

- **Journal papers**

- **Conference papers**
  1. Y. Lee, J.H. Rho, et al., “Aerodynamic Characteristics of High Speed Train Pantograph with the Optimized Panhead Shape” The 7th IASME / WSEAS Int. Conf. on FLUID MECHANICS and AERODYNAMICS (Moscow, Russia, August 20-22, 2009)

About my impressions of Sendai and Japan during my stay I have been very impressed by kindness and helpful of Japanese people, so, even if our culture is very different, I enjoyed my stay there a lot. And I never forget the spectacular firework display in Sendai festival.

Finally, I warmly thank to research students in IFS and staffs in GCOE program. I hope this International program to be useful for co-understanding and future Collaborations between Japan and Korea.