

# 21<sup>st</sup> Century COE International Internship Program

## Experience Note

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I was in Sendai from April 23<sup>rd</sup> to May 26<sup>th</sup>, 2007. During that time I worked on *theoretical analysis and numerical simulation of micro-combustion* under the supervision of professor Maruta, an expert in combustion, at the Institute of Fluid Science of Tohoku University.

My internship was successful and I learned a lot in professor Maruta's group. I started my work under the guide of professor Maruta. I learned a lot of valuable knowledge from him, not only on micro combustion, but also on other fields related to combustion. The lunch-time discussions with him were very instructive and helpful for me. In the lab, I learned experiments on different flames in radial micro-channels and combustion in porous media with the help of Dr. Fan and Dr. Yang. Discussions on the experimental phenomena and the underlying mechanisms with them were very helpful. Besides, during the internship, I visited several professors (professor Kobayashi, professor Takita, professor Sun) and their laboratories at Tohoku University. The talk and lab tours broadened my view and made me know the recent research progress in combustion and CFD at Tohoku University.

Being in Japan at Tohoku University has been a wonderful experience, not only because I learn on different academic aspects but also because I gain broad personal and cultural knowledge. Laboratory members in professor Maruta's group arranged several opportunities for social and academic activities. These included a welcome party at a restaurant with delicious sea food and Japan wine, a visit to Matsushima, and attendance to some of the presentations at University. These activities added an enjoyable aspect to my visit and made me to know a real Japan by my own eyes.

My Internship period at IFS of Tohoku University is full of great memories! I appreciate the supports from 21<sup>st</sup> century COE International Internship Program. I would like thank all the people who made my internship at Tohoku University possible and successful. Specifically, I would like thank professor Maruta, who supported my application and provided helpful research advice. I am very grateful to Ms. Konohara and all other COE staff, who are always helpful. I want also thank professor Li, Dr. Fan, Dr. Yang, Mr. Kim, Mr. Tsuboi, Mr. Oshibe, Ms. Sato and all of kindly people here for their hospitality and help.



(Welcome party from Professor Maruta's group.)