

**21<sup>st</sup> Century COE of Flow Dynamics  
International Space University  
Summer Session Program in 2004  
Report**

Date: 6/ 6/ 2004  
(D) (M) (Y)

Name	Hisashi Nakamura		
Department	D2, Department of Aerospace Engineering, Graduate School of Engineering		
Supervisor s Name	Professor Hideaki Kobayashi, Reacting Flow Laboratory, Advanced Flow Division, Institute of Fluid Science, Tohoku University		
Dispatched Period	19/ (D)	June/ (M)	2004 ~ 1/ (D) Sep./ (M) 2004 (Y)
Venue (Name of the facility,city&country)	University of South Australia, Adelaide University, and Fenders University, Adelaide, Australia		
Other visiting place	Woomera, Arkaroola		
Number of total participants	114 (Of which number of Japanese: 4)	Number of participating nations	27
Team project	Lunar Missions in the Framework of Current Space Exploration Initiatives for Mars		
Lecturers of note	James Burke(the first project manager of Ranger, the first American spacecraft on the Moon),Peter Diamandis(Chairman of the X Prize Foundation)		
Participations in other congresses supported by ISU if any	8th Australian Space Development Conference		

It was most impressed for me in the program to launch the ZUNI of a sounding rocket. The maximum height is 7 km and the maximum speed is Mach 2. We developed payloads in the ZUNI as applying trial-and-error methods. It was extremely moving when the ZUNI was launched because all of team members made it with hard experience.

The most important characteristic in Summer Session Program of International Space University is a human network. We learned multi culture because the number of participating nations was 27 countries. Their fields were not including only science and engineering but also management, law, and life science. Their carriers are completely different; from a student to a project manager, from twenties to forties. Now I have friends for all fields. I m going to promote the space development with them.



Just before launching ZUNI



Closing reception