

(For JSPS Fellow)

Form B-5

Date (日付)

2015年8月27日 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-

(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Wonsuh Song 宋 苑瑞 (ID No. P 14301)

- Participating school (学校名): Fukushima High School

- Date (実施日時): 2015年8月25日 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Angkor Wat and me

(in Japanese) アンコールワットと私

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

I started my lecture with my background explanation including situation of my competitive country. Being educated and getting a stable job is the most valuable thing in Korea. It makes Korean people concentrate on their children`s education so badly. I was also raised in the educational environment.

After finishing my Ph. D in Japan, I currently work on the theme of rock weathering by biological factors such as bacteria, lichen and mosses. One of my field sites is Angkor Wat monument, located in Siem Reap province, in the Kingdom of Cambodia, is one of the greatest stone cultural heritages in the world. It was constructed in the 9th to 13th centuries and designated as a world cultural heritage by UNESCO in 1992. The Angkor complex represents the entire range of Khmer art and is also famous for huge trees` growing on the temple wall (Ta Prohm) and various lichens on the stone surfaces. How the biological factors, such as bacteria, fungi, and lichens (symbiotic organisms of algae or/and cyanobacteria and fungi) influence the weathering of the rocks has been studied through several laboratory experiments and field survey. However, it has several problems in conservation aspect. Biological factors and salts accelerate its weathering.

I advised students about what things to do to be a researcher and things have to be done in undergraduate school. In the extra 20 minutes, I shared my methods in learning foreign languages.

- Language used (使用言語): 60 min in English and 20 min in Japanese

- Lecture format (講演形式):

◆Lecture time (講演時間) 60 min plus extra 20 min (分), Q&A time (質疑応答時間) 60 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Powerpoint presentation using projector, no experiment

◆Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

none

◆Name and title of accompanied person (同行者 職・氏名)

none

◆Other note worthy information (その他特筆すべき事項):

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):