

(For JSPS Fellow)

Form B-5

Date (日付)

23/01/2018 (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): XIA Junshi (ID No. P16053)

- Participating school (学校名): Shizuoka Kita High School

- Date (実施日時): 18/01/2018 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Hyperspectral Data Classification by Machine Learning

- Name and title of your company (同行者 職・氏名)

Doi Kento Master student

- Lecture format (講演形式):

Lecture time (講演時間) 70 min (分), Q&A time (質疑応答時間) 20 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))

used projector

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

My lecture contained three parts, who am I, my research and my life in Japan. In the first part, I introduced the culture, famous people of China, and also gave them a story that why I want to be a scientist. For the culture of China, I mainly introduced three famous cities of China: Xian, Beijing, and Shanghai with their world heritages. For the famous people of China, two famous people (Zhuge Liang 諸葛亮 and Cao Cao 曹操) from Three Kingdoms and Xiang Yu (項羽) are introduced. Since I liked NASA and geography science very much, I selected remote sensing to be my professional career. I also asked four questions to the students in order to raise their interests. In the second part, I briefly introduced my research: the history of remote sensing, hyperspectral remote sensing and data classification. I also mentioned the very recent techniques: deep learning. For the real use of remote sensing datasets, I introduced some applications: Google time series, 3-D vision, agriculture in Nagano, identification of building materials, earthquake disaster at East Japan, Fukushima Daiichi nuclear power plant. In the third part, I presented the photos of the visiting place and asked the students guess the places.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

I suggest to present simple questions and the examples to call the students' attentions.

- Other noteworthy information (その他特筆すべき事項):

- Impressions and opinions from a company (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。)

発表の内容が難しいので配布資料があるといいかもしれません。スライドのスマートフォンでの撮影なども許可しても良いのではないかと思います。

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