

(For JSPS Fellow)

Form B-5

Date (日付)

26.09.2016 (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): Sergey Dushenko (ID No. P16064)- Participating school (学校名): Kagawa Prefectural Kanonji Daiichi Senior High School- Date (実施日時): 23.09.2016 (Date/Month/Year: 日/月/年)- Lecture title (講演題目): (in English) Room-temperature spin transport in germanium(in Japanese)

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

Presented lecture consisted of 4 parts. After each part there was a discussion period, during which I answered students' questions.

In the first introduction part I shortly introduced myself, and the institutions I am working for (JSPS and Kyoto University). After that high school students introduced themselves to me, including short explanation about their individual research projects in the high school.

The second part of the lecture was devoted to my experimental work on room-temperature spin transport in germanium. I presented background on my research (including basic physics necessary to understand the general idea behind it), research goal, experiments that I carried out and conclusion with future perspective.

In the third part of the lecture I gave an overview of what life of a researcher in a scientific institute is like.

In the final part, I talked about myself: how did I become a scientist, and my life in Russia and Japan.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) ~80 min (分), Q&A time (質疑応答時間) ~40min (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))

Power point presentation using a projector

◆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))

Lecture was given in English without interpretation

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

No accompanying person

◆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。):