

(For JSPS Fellow)

Form B-5

Date (日付)

27/08/2014 (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): Borzenets Ivan V. (ID No. P13019)- Participating school (学校名): Jishukan Senior High School- Date (実施日時): 25/08/2014 (Date/Month/Year: 日/月/年)- Lecture title (講演題目): (in English) Graphene a novel flat material, a big step in future electronics.

(in Japanese) _____

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

The presentation started with a personal history of how I became a scientist. Then it transitioned into interesting concepts of modern physics, mainly quantum mechanics, and applications such as superconductivity and artificial atoms. After, an overview of graphene, it's properties and hopeful applications were presented. Finally, the talk went over the laboratory techniques used in my current lab: the making of graphene, and then further processing of graphene into a measureable device, and then measurement.

After the main presentation, a short, impromptu talk was given about the tips for giving successful presentations in English; at the request of the school administrators.

- Language used (使用言語): English with Japanese translator.

- Lecture format (講演形式):

◆Lecture time (講演時間) 70 min (分), Q&A time (質疑応答時間) 40 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))

Projector slides with some demonstrations.

◆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))

Japanese translation by Ph.D. Student

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

Mr. Yuya Shimazaki

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

Must be typed

- 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。):