

(For JSPS Fellow)

Form B-5

Date (日付)

14/11/2016 (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): Ian Don Booker (ID No. P-15745)
- Participating school (学校名): Fukui Prefectural Fujishima Senior High School
- Date (実施日時): 26/10/2016 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) The Science of Semiconductors
(in Japanese)
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

Semiconductors and semiconductor devices today are everywhere today, and the industry behind it is huge, with global sales of about 340 billion USD total in 2015. In the talk, I explained the basics of semiconductors using the simplest example, a light emitting diode (LED). After explaining how LEDs work, I went on to discuss the manufacturing process for semiconductor devices. This all lead to an explanation of my research, which is the analysis of manufacturing defects and material defects in semiconductors.

- Language used (使用言語): English
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 45 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))
A projector was used to hold a presentation and Q&A
 - ◆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))
Key words in the slide and a number of complicated sentences were written in Japanese
 - ◆Name and title of accompanied person (同行者 職・氏名)

 - ◆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。):

My topic (semiconductors) is very abstract and difficult to understand from a high school students point of view. The students seemed ver alert and also interested, however, for the next time, I will definitely have to think about hands-on experiments.