

(For JSPS Fellow)

Form B-5

Date (日付) 26 December 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) Sivasakthivel THANGAVEL (ID No. P16077)
- Participating school (学校名): Chiba Municipal Chiba High School
- Date (実施日時): 22 December 2016 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Integrated coal Gasification Combined Cycle (IGCC)  
(in Japanese) 石炭ガス化複合サイクル発電
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

In this lecture I presented about "Integrated coal Gasification Combined Cycle (IGCC)". My talk was divided into five sections. In section 1, I introduced myself and gave presentation about my country (section 2). In section 3, I explained the importance of being a researcher and its benefits to society. In section 4 details of IGCC plant was discussed and starting from coal is the largest source of energy for the electricity generation worldwide, but burning of coal is one of the major contributors to climate change. Due to the crises of fossil fuel depletion and environmental degradation, efficient utilization of energy and technology improvement have become an important public agenda of most developed and developing countries like Japan and India. Finally, in section 5 I briefly discussed my current research work. After presentation we had question and answer session and had a good discussion.

- 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) 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))  
Powerpoint presentation

- ◆ 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))

By accompanied person

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

Mr. Wataru YONAMINE, Master course student

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

The lecture was useful to the students and it helps them to understand many things starting from different culture, country, people and to different areas of research. The lecture also gives some idea about what they can pursue after graduating from school.