

(For JSPS Fellow)

Form B-5

Date (日付)

17/11/2016 (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): Yonghoon Ji (ID No. P16054)

- Participating school (学校名): Takada High School

- Date (実施日時): 8/11/2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Past and state-of-the-art unmanned vehicle technologies
(in Japanese) 無人自動車技術の過去と現在

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

These days, many kinds of robots have been developed for industrial applications, such as factory automation. However, lately robots are expected to operate not only in industrial areas, but also in service for daily human life (i.e., human-robot coexistence environments, such as offices, department stores, private homes, and so on). Therefore, safe and reliable navigation technology for mobility in such areas is one of the most important requirements for such service robots, in their interaction with humans. In this talk, I will introduce navigation technologies for autonomous mobile robots and its improved studies with applications.

- Language used (使用言語): English / Japanese

- Lecture format (講演形式):

◆Lecture time (講演時間) 90 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

◆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))

Provided Japanese explanation by myself

◆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):

- 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。):