

(For JSPS Fellow)

Form B-5

Date (日付)

_____ (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): Erkka Haapasalo (ID No. P-16702)

- Participating school (学校名): Midoridai Senior Highschool, Kawanishi, Hyogo

- Date (実施日時): 18/7/2017 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): An introduction to the quantum world

- Name and title of your company (同行者 職・氏名)
Department of Nuclear Engineering, Kyoto University

- Lecture format (講演形式):

◆Lecture time (講演時間) 50 min (分), Q&A time (質疑応答時間) 10 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))

Lecture consisted of a talk with slides using a TV-screen

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

The talk first gave my personal background as a student and as a researcher and gave some information on Finland (my home country). After this, I discussed background of quantum theory; why it was created and what makes it different from classical physics. I gave the students some idea of what is sometimes seen to be exotic in quantum theory, e.g., entanglement and uncertainty also discussing my own research topic, incompatibility. The talk also highlighted future applications quantum physics will bring about.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

Especially in mathematical sciences, a compromise between rigorous language and intelligibility has to be found while keeping the English language simple enough for high school students.

- Other noteworthy information (その他特筆すべき事項):

- Impressions and opinions from a company (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。)