

(For JSPS Fellow)

Form B-5

Date (日付)

3 July, 2012 (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): Chung Vu Hoang (ID No. P 10501)
- Participating school (学校名): Nanao High School, Ishikawa prefecture
- Date (実施日時): 2 July, 2012 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Optical Antennas in Light of Nanotechnology
(in Japanese)
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

Within the framework of Science Dialog Program of JSPS, I will give a lecture about my research at NIMS. Its title is: Optical antennas in light of nanotechnology.

In the first part of the lecture, I give a short introduction about myself, telling the students where I come from, and why I decided to be a scientist. Also, my experience of working abroad is presented to get the students motivated.

Secondly, I will present about Nanotechnology, meaning of the term "nano", how we make objects at nanoscale, and how we can see them. To present the fundamental underlines, I also figure out the reason why the optical microscope does not help seeing nanomaterials, showing them the optical limit by Abbe's theory.

Later, I talk about optical nanoantennas and some possible applications.

- Language used (使用言語): English
- Lecture format (講演形式): .ppt
 - ◆Lecture time (講演時間) ~ 80 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))
Presentation with projector, chalk-board.
 - ◆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))

no interpretation

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

no

◆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。):