

(For JSPS Fellow)

Form B-5

Date (日付)

18/02/2016 (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): Nguyen Thanh Tung (ID No. P15059)

- Participating school (学校名): Shizuoka Kita Highschool

- Date (実施日時): 28/01/2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Can the Harry Potter invisible cloak come true?
(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.
 Being motivated by fundamental interests in novel properties and also the desire of creating intelligent materials, since 2000 physicists have developed a new class of materials, the so-called *metamaterials*. The word "meta" means "beyond" in Greek, and in this sense, "metamaterials" refers to "materials beyond conventional ones". *Metamaterials* are usually artificial and have properties which **do not occur in natural materials**. So, today what is exciting about such artificial metamaterials, which attract so much attention of the physicists? Can the Harry Potter invisible cloak come to life? All will be given in my talk, as an introduction to the field of *metamaterials*. The fundamentals, fascinating properties and unthinkable applications of *metamaterials* will be discussed, which have truly excited the worldwide imagination.

- Language used (使用言語): English

- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 70 min (分), Q&A time (質疑応答時間) 15 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 and conducted experiment
 - ◆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))
assistance by host teachers
 - ◆Name and title of accompanied person (同行者 職・氏名)
n/a
 - ◆Other note worthy information (その他特筆すべき事項):
n/a

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。):

n/a