

Date (日付)

02/12/2015 (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): SIVALINGAM Yuvaraj (ID No. P 15071)
- Participating school (学校名): Iwate Prefectural Mizusawa High School
- Date (実施日時): 27/11/2015 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): My Unexpected Journey from Sensors to Tribology

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

I have introduced about school and higher education systems, scientific research, culture, languages, tourism, and cuisines in India. I have shown my motivation to become a scientist to do research mimicking nature for our day today applications. I have introduced my research journey to current research field: from high temperature activated hydrogen gas sensors for nuclear reactors → nanorods growth for solar cell applications → organic/inorganic hybrid nanomaterials for room temperature visible light activated chemical, gas, and bio sensors → Currently, identifying friction free lubricants for tribology applications. During the lecture, I have introduced basic concepts, types and real time usage of sensors. In addition, I have discussed about sensor devices, which I have developed. In few slides, I have showed my current research in tribology. English is not my mother tongue. I have completed my lecture by explaining the role of English language in my research career and international understanding.

- Language used (使用言語): English
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 60 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))
Projector was provided by the School Administration
 - ◆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))
Explanation in Japanese was given by accompanied person
 - ◆Name and title of accompanied person (同行者 職・氏名)
Prof. Katsumi Tanigaki
 - ◆Other note worthy information (その他特筆すべき事項):
Students showed very much interest in knowing new scientific fields.
- 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。)