

(For JSPS Fellow)

Form B-5

Date (日付)

17/03/2017 (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): AHIN ROY (ID No. P15056)

- Participating school (学校名): Meizen High School

- Date (実施日時): 12/03/2017 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Microscopy at Ultimate Scale: 'See'ing the Atoms in Materials

- Name and title of your company (同行者 職・氏名)

 Ahrong Jeong (Department of Materials Science and Engineering, Kyushu University, Fukuoka, Japan)

- Lecture format (講演形式):

◆Lecture time (講演時間) 90 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 power point

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

This talk was motivated to introduce the audience to the world of electron microscopy, stating its beauty and power. It began with an account of my home country India and its culture, in order to give a brief view of the unity in diversity of the country. After that, the principles of imaging along with the associated difficulties and artefacts were touched upon. Finally, the principle of the aberration-correction along with a few examples of atomic scale imaging was discussed, which is indeed a miracle of modern technology. This was followed by the use of such microscopy in my research, where it is used as a great tool to study nanoscale materials.

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

None

- 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。):

The talk was broad and detailed, also too much to take in a single lecture. But, there was a clear communication gap because of the language barrier.