

(For JSPS Fellow)

Form B-5

Date (日付)

22/02/2016 (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): Safdar Ali (ID No. P15025)- Participating school (学校名): Kumagaya Hihh School- Date (実施日時): 15/02/2016 (Date/Month/Year: 日/月/年)- Lecture title (講演題目): (in English) Spectroscopy of highly charged ions important for astrophysical and laboratory plasmas(in Japanese)

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

In the first part of my lecture I introduced students with my country, Pakistan. I briefly described education system, culture, nature, historical places and import/export with Japan. For motivation, I discussed "my journey from a small village to Tokyo" with pictures and maps, by giving an overview of my education and achievements.

In the second part I briefly introduced students with spectroscopy and highly charged ions along with their applications. In particular, I discussed the motivation and need of spectroscopic data for plasma applications by giving examples of astrophysical observatories and fusion plasma device.

In the third part of my lecture, I discussed about our laboratory and equipment called electron beam ion trap used for the production and study of highly charged ions. I briefly described how we can produce and study ions. I showed some slides with spectroscopic data of highly charged Iron, Xenon, and Tungsten ions and explained their importance.

I concluded my lecture by giving a summary and by providing a chance to the students to ask me questions.

- Language used (使用言語): English

- 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))

◆ 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))

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

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

Well, It was a nice experience, I enjoyed my interaction with the high school students first time in Japan

- 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。):