

(For JSPS Fellow)

Form B-5

Date (日付)

2/1/2018 (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): Habib Cem YENIDOGAN (ID No. P17077)

- Participating school (学校名): Aichi Prefectural Kariya High School

- Date (実施日時): 1/26/2018 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Contribution of Cost-Effective Earthquake Protection Systems to Earthquake Resilient Communities

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

Nagoya University

- 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))

Power Point Presentation, Black Board, Test Videos

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

The lecture given in Kariya High School started with self-introduction, the critical role of my institution in Turkey and the numerous world cultural heritage and deep culture of Turkey. Then, I have emphasized the importance of English to communicate with the scientific society and convey the research outcomes through publications. Since the students were at the high school level, I have shown several mathematical expressions and illustrated the importance of simplification of sophisticated problems and capability of new technological tools we have been working on. In the last part of my presentation, I have expressed the importance of anti-seismic devices and matter of cost where we have proposed a cost-effective earthquake protection systems that may contribute to minimizing the casualties and financial losses. Finally, our test procedure and full-scale tests performed on seismically isolated structures, sliding foundation of 10 story structure were given for an in-depth understanding of mechanical characteristics that utilize our knowledge in fundamental disciplines as well as in engineering applications.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

I recommend to future participants to check the syllabus of high school students they will give a lecture and arrange their presentation to get their attention.

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

I've felt delighted with the 100% concentration of students and their eagerness to learn more about my JSPS research study which turned out very interesting for them by referring their Physics and Math lecture syllabus and how important to understand the basic concepts.

- 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。)

My host is impressed with the feedback given by me about Science Dialogue program, and he has emphasized the importance of giving lecture to the talented prospect students for promoting research activities at Nagoya University.