

(For JSPS Fellow)

Form B-5

Date (日付)

18/09/2014 (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): Dr. Mohammad Anisuzzaman SIDDIQUE (ID No. P13040)

- Participating school (学校名): Prefectural Kanagawa Sogo Sangyo High School

- Date (実施日時): 14/09/2014 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Selecting the Best Answers Using Skyline Query

(in Japanese)

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

As requested by the hosting school, i divided my lecture into two major parts. In the first part i introduced myself and my home country Bangladesh. I gave a short introduction into the geography, demography, and national symbols of Bangladesh. Furthermore, the explanation of bangladeshi culture allowed me to additionally focus on muslim culture and their foods habit. The second part of the lecture was dedicated to the scientific method and the formation of new knowledge in science. At first, i explained my motivation to become a scientist and about the interesting findings in our research. In the main part i talked about skyline query as a new emerging searching technology. I used simplified examples to explain the basic ideas of skyline query and the capability of this type query to satisfy all typed user without any preference function. I gave some examples of applications of skyline query in everyday life. Afterward, i focused on our research contributions set skyline as well as distrubuted skyline computation. I showed how new types query set skyline lead to preseve individual privacy with simple demonstration slides. Then talked about recent MapReduce technology introduced by google. A short explanation of computing distributed skyline using MapReduce to handle learge volume data. Finally, there was an question session about my country and research as well. I was glad to see that most of the students listended to the lecture attentively and asked me many questions to make their understanding more clearer.

- 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))

Presentation with Powerpoint slides on a projector

◆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 my host supervisor

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

広島大学 准教授・森本康彦

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

I would like to thank Prefectural Kanagawa Sogo Sangyo High School for hosting us and welcome. I would also like to thank my host professor Yasuhiko Morimoto for all his efforts in interpreting the lecture and spend his valuable time.

- 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。):

総合産業高校の担当の先生の事前指導があったのかもしれませんが、予想以上に高校生からの質問が数多くありました。そのため講師の Siddique も生徒からのよい反応を受けて気持ちよく講演できたようです。英語で科学技術の講演を聴く機会をもつことは生徒にとって有益だと思いますし、こうした地道な活動が我が国の科学技術の発展につながると思います。また外国人特別研究員にとっても日本を理解する良い機会になったと思います。私は、外国人特別研究員は任期中に1度はこの事業に参加するようにしたらいいのではないかと思います。(同行者・森本康彦)