

(For JSPS Fellow)  
Form B-5

Date (日付)  
22/11/2011 (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): Marcin L. Pilat (ID No. P10763 )
- Participating school (学校名): Aichi Prefectural Kasugai High School
- Date (実施日時): 14/11/2011 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Evolution of Virtual Creatures  
(in Japanese) 仮想生命体の進化
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

I divided the lecture into 5 parts, as follows.

In part 1, I briefly introduced Canada and its living style (15 min). I talked about the Canadian weather, Canadian language, Canadian food, and introduced the capital city – Ottawa. In part 2, I talked about research and research life (15 min). I introduced my research area (Artificial Life), my motivation to become a researcher, and gave a typical account of a life of a science researcher.

Part 3 featured the main research presentation (40 min). I introduced the topic of evolution, the important questions in evolution, and the areas of evolutionary computation and genetic algorithms. Then, I presented a sample of my research in the evolution of virtual creatures by explaining the motivation, the model, and the simulation environment. I showed videos of selected results of experiments in evolution of virtual creatures for locomotion and light following tasks.

At the beginning of Part 3, I started a set of experiments and in part 4, we took a look at the results of these experiments. The students were able to interact with the virtual simulation system to view the results (20 min). Finally, I ended with some Q&A time (part 5 – 20 min).

- Language used (使用言語): English
- Lecture format (講演形式):
  - ◆Lecture time (講演時間) 90 min (分), Q&A time (質疑応答時間) 20 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; conducted experiments; hands-on time with the simulation software

- ◆ 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))

assisted by accompanied person who translated the talk into Japanese

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

伊藤 孝 (Itou Takashi), 博士課程前期1年(修士1年)

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

Thank you for the opportunity, I greatly enjoyed it! Big thanks to Mr. Itou for his help!

- 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。):

内容が理解できるか心配だったが、だいたい理解しているようなのでよかった。

事前に生徒の英語のレベルがわかると、準備がし易かったと思う。

通訳以外に、日本語の資料も事前に準備すれば、よりわかりやすくてよかったのではないかな。