

(For JSPS Fellow)

Form B-5

Date (日付)

26/06/2014 (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) : Delfau Jean-Baptiste  
(ID No. P12327)

- Participating school (学校名): Ibaraki Prefectural Namiki Secondary School \_\_\_\_\_

- Date (実施日時) 13/06/2014 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): How do we move together in crowded environments?

A few ideas about collective motion

(in Japanese) ?

- Lecture summary (講演概要):

Have you already seen large groups of birds flying together in the sky during migration periods? Or have you already been on Shibuya crossing on a Saturday night? If yes, you have already experienced collective motion (集団運動). Moving in a crowded environment is not easy as you have to avoid colliding with your neighbours. Most of the time, the easiest way to move is to follow the people around you. This motion-synchronization induces a self-organization (自己組織化) of the system that can be really spectacular and is not well understood by scientists yet.

During my presentation, I will show some nice examples of collective motion in very different systems (birds, fish, bacterias,...). I will try to convince you of the importance of understanding this phenomenon. On a more personal point of view, I will also take this opportunity to introduce my country (France) and try to give you an idea of what it means to be a researcher."

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 45 x 2 min (分), Q&A time (質疑応答時間) 5 x 2 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))

Projection of slides

Must be typed

- ◆ 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))

No interpretation

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- ◆ 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):
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- 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。):