

Form B-2  
(FY2020)  
Must be typed

Date (日付)  
13/10/2020 (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): DEI TOS Diogene Alessandro (ID No. P18371 )

- Name and title of the accompanying person (講義補助者の職・氏名)  
Machii Kanako (電気通信大学情報理工学研究科機械知能システム学専攻)

- Participating school (学校名): Nirayama High School

- Date (実施日時): 09/10/2020 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):  
The Impact and Challenges of Space Exploration

- Lecture format (講義形式):  
◆Lecture time (講義時間) 90 min (分), Q&A time (質疑応答時間) 30 min (分)  
◆Lecture style (ex.: used projector, conducted experiments)  
(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))  
Presentation using projector

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.  
Space-enabled applications are revolutionizing and profoundly shaping our daily lives. The internet, location services through global positioning system, weather monitoring and disaster prevention are only few of the many examples of technologies that depend on the human presence in space. This is the Space Age: we are currently experiencing an unprecedented growth in the space sector where governmental agencies, academic institutions, and private companies are sharing an active role in space exploration. The sheer difficulty of the task is continuously pushing the boundaries of our technological capabilities and requires a sustained international effort. In this lecture I will address the impact and challenges of space exploration from a variety of aspects.

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

- Impressions and comments from the accompanying person (講義補助者の方から、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。):  
補助役としての参加でしたが、高校生を相手に講義を行い、それを手伝うというのは普段大学で研究しては得られない非常に貴重な体験でした。ありがとうございました。