[JJ] Evening Poster | G (General (Education and Outreach)) | General (Education and Outreach)

[G-04]Geoscience Outreach

convener:Takeyuki Ueki(Faculty of Risk and Crisis Management, Chiba Institute of Science), Jiro Komori(Teikyo Heisei University), Naoko HASEGAWA(お茶の水女子大学, 共同), Satoko Oki(Faculty of Environment and information Studies)

Sun. May 20, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

The aims of Outreach and geoscience education are to encourage developments that raise public awareness of geosciences through schools and/or public outreach by not only educators but also researchers. Therefore, any presentation related with these aims will be welcomed to this session. Depending on schedule and venue,some presentation will be changed to Poster presentations.

[G04-P02]Enhancing geographic imagination of "satoyama" landscape using high-definition land surface data and three-dimensional landform models

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Keywords:UAS, point cloud, three dimensional

High-definition topographic data by SfM-MVS photogrammetry, UAS (Unmanned Aerial System) and TLS (Terrestrial Laser Scanning) have become widely available but still been limited to be used as learning materials for earth and planetary sciences. Here we demonstrate a class activity to enhance the "geographical imagination" using high-definition landscape data for elementary school students. 3D print models, as well as cut-and-built topographic models of the Satoyama landscape, were effectively used to assist the students to imagine and understand the geographical landscapes of their town.