

**E135-002**

**Room: 301B**

**Time: May 16 15:45-16:00**

## **Paleomagnetic and rockmagnetic age estimate of the Nashinoki Gravel Formation south of the Matsumoto Basin, central Japan**

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Paleomagnetic and rock magnetic measurements were performed to estimate the age of Nashonoki Gravel Formation, south of the Matsumoto Basin, central Japan. The formation underlies the 580-690 ka Kaisho-Kamitakara tephra (KMT). The KMT and underlying tephric loess show normal remanent directions, whereas flood loam and sand beds transitional ones. Magnetic carrier of tephric loess, the KMT and flood loam samples is composed mainly of titanomagnetite, whereas sand titanohematite. Paleomagnetic directions of the flood loam and sand beds indicate the Brunhes-Matuyama polarity boundary as the depositional age of the nashinoki Gravel Formation.