
[EJ] Evening Poster | H (Human Geosciences) | H-CG Complex & General

[H-CG24]Earth surface processes related to deposition, erosion and sediment transport

convener:Koji Seike(Geological Survey of Japan, AIST), Naofumi Yamaguchi(Center for Water Environment Studies, Ibaraki University), Hajime Naruse(京都大学大学院理学研究科, 共同), Hideko Takayanagi(Institute of Geology and Paleontology, Graduate School of Science, Tohoku University)

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To understand landscape evolution and dynamics of erosion, transport and sedimentation of earth-surface materials, the latest results of multiple research fields including engineering and earth sciences will be presented. As well as any researches of sedimentology and sedimentary petrology, interaction between fluid, sediments and geomorphology is focused. Interdisciplinary discussions of science, disaster prevention and resource exploration will be expected.

[HCG24-P06]Superimposed sequence boundary of the upper Pleistocene Katori Formation observed on marine terrace, Byoubugaura coastal cliff, central Japan

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Byoubugaura coastal cliff, Chiba prefecture, central Japan, is composed of the Pliocene - Pleistocene Inubo Group of the lower part, and the Pleistocene Katori Formation of the upper part. Wave-cut terrace deposits is observed at the base of Katori Formation, which lies on unconformity between the Inbo Group and Katori Formation. The deposits have erosional surface with boring shell holes under the surface, and contain sub-rounded pebble and shell fragments. The deposits graded into variety of facies, which are inner shelf, mouth bar, and shoreface facies. Based on tephrachronology and OSL dating (Nakazato et al., 2016 etc.), these facies had been deposited in MIS 5e?, 5c and 5a, respectively. Therefore, these facies setting are regarded as high-frequency sea-level fluctuation sequence boundary.

Nakazato, H., Nara M., Okazaki, H., Mizuno, K., and Ito, H. (2016) On-Pm1 tephra and marine deposits covering the tephra in the Choshi district, eastern Kanto Plain. JpGU2016, HQR15-P08.