

# **CHARACTERISTIC CLASTIC SEDIMENT DISTRIBUTION ON THE OUTER AND INNER CONTINENTAL SHELF OFF THE SOUTH EASTERN COAST OF KOREA**

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Over two hundred samples collected from the continental shelf off the southeastern coast of Korea have been analyzed sedimentologically to understand the origin and distribution pattern in terms of sea-level fluctuations. The sandy deposits with the lower value (5%) of mud content on the outer shelf and shelf-edge are considered as relict sediments (old beach sediment) deposited during a low sea-level period (LGM) in the late Pleistocene. The following transgression due to relative sea-level rise might do little to alter the distribution of sandy sediments on the outer shelf in this particular study area. The most pronounced influence by Holocene transgression might be sorting action and partial winnowing. On the other hand, the fine-grained silty sediments distributed on the nearshore-inner shelf are considered to be modern fine-grained sediments deposited during a high stand of sea-level (late Holocene).