

## Gravity measurement and subsurface structure beneath Kansai International Airport

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Many detail geological and geophysical information have been accumulated as the results of various survey after the 1995 Kobe Earthquake. These survey revealed underground structure and stratigraphy of Osaka sedimentary basin. However, there is blank area of the gravity measurement along the coastline. New second runway of the Kansai International Airport was opened at 2nd Aug. 2007. In order to fill up the blank area of the gravity and detect the gravity change due to the huge reclamation, we carried out gravity measurement on the 2nd runway during July and September 2006 during construction. The difference gravity between Jul. and Sep. was 0.09 mgal at the northern east of the 2nd runway. We will indicate the result of the 2D gravity analysis along the 2nd runway with the result of deep borehole (Kitada et al, this meeting).