

PDS 2e: Marine and transportation geotechnical engineering

SPD 2e: Géotechnique marine et de transport

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Paper Presentation and Poster Discussion Session (PDS) for “2e: Marine and Transportation Geotechnical Engineering” was held at 16:00-19:00 on September 14 (Wednesday) with K. H. Andersen as the session chair and K. Hayano as the session secretary. Twenty two papers among 32 papers which have been accepted for publication were presented. Presenters are underlined.

MARINE GEOTECHNICAL ENGINEERING

Soil Characterization

Some geochemical and mineralogical characteristics of Urmia Lake deposits - Badv, K.

Geotechnical characterisation of Gulf of Guinea deepwater sediments - Puech, A., Dendani, H., Meunier, J., Nauroy, J.-F.

Physical Modeling

Creating seafloor conditions in geotechnical centrifuges - Laue, J., Springman, S.M., Nater, P., Graemiger, E., Ducksch, A.

Deformation mechanisms during uplift of buried pipes in sand - Cheuk, C.Y., White, D.J., Bolton, M.D.

A new method to estimating gas hydrate content in soil specimens - Kliner, J.T.R., Grozic, J.L.H. (Wan, R.)

Suction development during pullout of superpile anchors in soft saturated clay - Singh, B., Datta, M., Gulhati, S.K.

Theoretical modeling

Study of transient pore pressures due to cyclic loads to optimize the foundation concept for Sakhalin Platforms - Hamre, L., Bye, A., Søreide, O.K., Athanasiau, C.

Monitoring

Multilevel subsea piezometer system - Strout, J.M., Sparrevik, P.M.

TRANSPORTATION GEOTECHNICAL ENGINEERING

Soil Characterization

Stress-strain behaviour of compacted geomaterials for pavements - Gomes Correia, A., Anh Dan, L.Q., Koseki, J., Tatsuoka, F.

Permeability on lightweight treated soil mixed with air foam - Kikuchi, Y., Otani, J., Mukunoki, T., Yoshino, H., Nagatome, T.

Physico-chemical aspects of cementitious slurry design for the stabilisation of reactive soils - Wilkinson, A., Haque, A., Kodikara, J., Adamson, J., Christie, D.

Physical Modeling

Effects of combined cyclic vertical and horizontal loading on unsealed airstrips: model study - Gnanendran, C.T.

Stress distributions and its evaluation in asphalt pavement ground subjected to roller loading - Hayano, K., Kitazume, M.

Modelling of salt migration in stabilised pavement materials - Kodikara, J., Ranjith, P.G.

Evaluation of slope stability of railway embankments - Vinogradov, V.V., Yakovleva, T.G., Frolovsky, Yu.K., Zaitsev, A.A.

Deformation characteristics of railway asphalt roadbed under a moving wheel load - Momoya, Y., Sekine, E.

Numerical modelling of unbound granular materials in thin pavements structures - Erlingsson, S.

Monitoring

Reliability of settlement prediction based on monitoring - Calle, E., Sellmeijer, H., Visschedijk, M.

Earthwork quality control using soil stiffness - Edil, T.B., Sawangsuraya, A.

The rolling dynamic deflectometer: A tool for continuous deflection profiling of pavements - Lee, J.L., Stokoe, II, K.H., Bay, J.A.

Forensic study of the Ohio SHRP Test Road U.S. 23 flexible test pavement - Sargand, S.M., Kim, S.-S.

Performance of some unbound roadbase materials from Queensland - Wijeyakulasuriya, V., Ramanujam, J., Creagh, M., Soward, G.