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## PDS 1e: Analysis

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Paper Presentation and Poster Discussion Session (PDS) for “1e: Analysis” was held from 16:00-19:00 on September 14 (Wednesday) with M.M. Farias as the session chair and A. Wakai as the session secretary. Following papers were presented. Presenters are underlined.

Investigation of dynamic response of cantilever retaining walls using FEM - Akhlaghi, T., Nakhodchi, A.

Some applications of the Sydney Soil Model - Carter, J.P., Liu, M.D.

Assessment of soil lateral pressure depending on retaining wall displacements - Dobrovsky, M.P., Poizner, M.B., Kalichava, D.K., Kuzmenko, Y.V., Kaluzhnyi, A.V.

Analysis of an excavation with soil nails using embedded finite elements and advanced constitutive models - Farias, M.M., Nakai, T., Farfán, R.D.D.

Numerical analysis of localized deformations in clay specimens using subloading tij model - Hinokio, M., Nakai, T., Miyata, M.

3D numerical modeling of a geosynthetic-reinforced pile-supported embankment - Stress and displacement analysis - Huang, J., Collin, J.G., Han, J.

Mechanics and mathematics of rigid-plastic analysis - From the point of design methods - Kobayashi, S.

Flow and transport modeling in old landfill subsoil with vertical barrier - Koda, E., Wienclaw, E.

Large compression of soil due to decay of structure during drained repeated shearing - Nakano, M., Asaoka, A., Nakai, K., Tashiro, M.

Soil-water coupled elasto-plastic analysis on bearing capacity of naturally deposited clay soil - Noda, T., Yamada, S.

Observed and predicted behaviour of clay foundation response under the Sunshine Motorway trial embankment - Rankine, B., Sivakugan, N., Wijeyakulasuriya, V.

A 2-D numerical study of the effects of anisotropy, ancillary drainage and geometry on flow through hydraulic fill mine stopes - Rankine, K.S., Sivakugan, N.

Finite element analysis of soil-pipeline interaction under lateral and uplift loading - Rouainia, M., Chan, A.H., Ng, P.

FE-analysis of deep excavations in lacustrine clay with different constitutive models - Scharinger, F., Schweiger, H.F., Galavi, V.

An investigation into embankment failure along a section of a major highway - Siddique, A., Safiullah, A.M.M., Ansary, M.A.

Image analysis of shallow foundation tests on sand ground and their FE-analysis using a new elasto-plastic model - Sreng, S., Ueno, K., Mochizuki, A., Ma, X.

Application of noncoaxial plasticity models in geotechnical analysis - Yu, H.S., Yang, Y., Yuan, X.

Bearing capacity of rectangular footings on two-layer clay - Zhu, M., Michalowski, R.L.

Back analyses of anchored bored-pile walls - Zvanut, P., Logar, J., Majes, B.