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PDS 1d: Modeling SPD 1d: Modélisation

J. Otani

Kumamoto University, Japan

T. Matsushima

University of Tsukuba, Japan

Paper Presentation and Poster Discussion Session (PDS) for “1d: Modeling” was held at 16:00-19:00 on September 14 (Wednesday) with J. Otani as the session chair and T. Matsushima as the session secretary. Following papers were presented. Presenters are underlined.

Viscous property of clay in 1-D compression: evaluation and modelling - Acosta-Martinez, H., Tatsuoka, F., Li, J. (presentation cancelled)

Cyclic soil degradation/hardening models: a critique - Allotey, N., El Naggar, M.H.

Results of the auscultation and the modelling of an earth dam - El Ouni, M.R.

Physical and numerical modeling of cyclic moment-rotation behavior of shallow foundations - Gajan, S., Kutter, B.L., Thomas, J.M.

Numerical models of the reinforced soil - Gaszynski, J., Gwozdz-Lason, M. (presentation cancelled)

State limits and attractors of psammoids and peloids - Gudehus, G. (presentation cancelled)

The effect of the rate on the cyclic strains in clays - theoretical and laboratory tests - Jastrzebska, M., Lupiezowicz, M. (presentation cancelled)

Numerical modeling of the anisotropic stress-strain behavior of granular soils based on the micromechanics theory - Jung, Y.-H., Chung, C.-K., Kim, M.-M.

An elasto-plastic constitutive model for structured sand with interparticle bonding - Katsuki, D., Nakata, Y.

Constitutive equations for Murro clay - Korhonen, O., Korhonen, K.-H., Lojander, M., Koskinen, M. (presentation cancelled)

Study of pile vibrodriving process in a calibration chamber - Le Thiet, T., Canou, J., Dupla, J.-C.

Properties of double porosity clayfills and suitable constitutive models - Masin, D., Herbstova, V., Bohac, J.

A new permeability model for shrinkable soils undergoing desiccation - Nyambayo, V.P., Potts, D.M. (presentation cancelled)

Applicability of elasto-viscoplastic one-dimensional consolidation model to long-term consolidation behavior of quasi-overconsolidated clays - Oda, K., Matsui, T.

Strain localization of rectangular clay specimen under undrained triaxial compression conditions - Oka, F., Kodaka, T., Kimoto, S., Ichinose, T., Higo, Y.

A swinging plane model for soil liquefaction analysis - Park, S.-S., Byrne, P.M., Wijewickreme, D.

Calibration of heterogeneous, probabilistic soil models - Rechenmacher, A.L., Medina-Cetina, Z., Ghanem, R.G. (presentation cancelled)

A simplified model for evaluating the settlement of a foundation reinforced by rigid inclusions - Rospars, C., Bourgeois, E., Humbert, P., de Buhan, P.

An isotropically hardening visco-elastoplastic cyclic loading model - Siddiquee, M.S.A., Islam, M.S., Hoque, E., Tatsuoka, F.

How do fabric and dilatancy affect the strength of granular materials - Wan, R.G., Al-Mamun, M., Guo, P.J.

Application of packing models on geophysical property of sediments - Yang, S., Lacasse, S., Forsberg, C.F.