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PDS 1a: Laboratory testing (I): Fundamental properties

SPD 1a: Tests de laboratoire (I): Propriétés fondamentales

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Paper Presentation and Poster Discussion Session (PDS) for “1a: Laboratory Testing (I): Fundamental Properties” was held at 16:00-19:00 on September 13 (Tuesday) with H. Sekiguchi as the session chair and S. Yamashita as the session secretary. Following papers were presented. Presenters are underlined.

Strain rate behavior of Mexico City soils - Díaz-Rodríguez, J.A., Martínez-Vásquez, J.J.

Engineering performance of soils of the humid tropical zone of Southern Nigeria - Ejezie, S.U.

Reappraisal of the fall cone test - Feng, T.W.

Effect of stress anisotropy on the cyclic behavior of saturated sand in undrained condition - Ghalandarzadeh, A., Bahadori, H.

Viscous behaviour of air-dried sand in model loading tests of strip footing - Hirakawa, D., Tatsuoka, F., Siddiquee, M.S.A.

Maximum shear modulus and incrementally nonlinear soils - Holman, T.P., Finno, R.J.

Fraser River sand. Mathematical characterization - Juárez-Badillo, E.

Drained and undrained elastic moduli of reconstituted clay - Kawaguchi, T., Mitachi, T., Shibuya, S.

Cyclic shear characteristics of treated sand with colloidal silica grout - Kodaka, T., Ohno, Y., Takyu, T.

Anisotropic stiffness parameters for cross anisotropy of Kaolin clay - Piriyakul, K., Haegeman, W.

Creep behavior of recycled asphalt pavement backfill - Rathje, E.M., Viyanant, C., Rauch, A.F.

Mechanical behavior for granular soils using the principle of natural proportionality, undrained case - Rivera-Constantino, R., Juárez-Badillo, E., Jerónimo-Rodríguez, F.d.J.

Liquefaction susceptibility and shear wave velocity - Roy, D.

Swelling effects on mechanical behaviour of natural London Clay - Takahashi, A., Fung, D.W.H., Jardine, R.J.

Soluble sulfate and reactive alumina measurements in cement and lime treated sulfate rich soils - Wattanasanticharoen, E., Puppala, A.J., Hoyos, L.R., Vempati, R.K.

Influence of stress level on the highly compacted shales in the Sydney Basin - William, E., Airey, D.W.

Dynamic shear moduli for clayey soils with various grain size distribution and plasticity - Yamada, S., Yoshimoto, N.

Effects of initial static shear stress and principal stress reversal on cyclic and post-cyclic undrained shear of sand - Yasuhara, K., Murakami, S., Komine, H., Unno, T.

Characterization of surface topography of sand - Yesiller, N., Hanson, J.L., Cohen, D.K.