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## PDS 2b: Reinforcement and stone column SPD 2b: Renforcement et colonne de pierre

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Paper Presentation and Poster Discussion Session (PDS) for “2b: Earth Reinforcement and Management” was held at 14:00-17:00 on September 15 (Thursday) with M. Terashi as the session chair and N. Yasufuku as the session secretary. Following papers were orally presented with poster discussion. Presenters are underlined.

Development of aseismic abutment with geogrid-reinforced cement-treated backfill - Aoki, H., Yonezawa, T., Tateyama, M., Shinoda, M., Watanabe, K.

Comparison between field monitoring and numerical results of a woven geotextile-reinforced soil retaining wall - Benjamin, C.V.S., Bueno, B.S., Zornberg, J.G.

Performance prediction of stone-column-supported foundations - Clemente, J.L.M., Senapathy, H., Davie, J.R.

Behavior of a fiber-reinforced sand under large shear strains - Consoli, N.C., Casagrande, M.D.T., Coop, M.R.

The influence of the variation of effective stress on the serviceability of soil nailed slopes - Davies, M.C.R., Morgan, N.

Ground improvement in a coralline deposit in Barbados, W.I. - Dittrich, J.P., Boone, S.J., Hutchinson, A.E.

Innovative solution for reinforced earth walls – Frictional connection - Freitag, N., Morizot, J.-C., Berard, G., Silveira Fernandes, K.

Settlement estimation of soils reinforced by columns using a porous elastic model - Fernandez, G., Guatif Fessi, Z., Bouassida, M.

Embankment project on soft subsoil with grouted stone columns and geogrids - Fratolocchi, E., Heitz, C., Kempfert, H.-G., Alexiew, D.

Ground improvement and reinforcement in a dike on soft soil - Justo, J.L., Durand, P., Soriano, C., Saura, J., Marco, J.M.

A new IPS earth retention system - Kim, N.K., Park, J.S., Jang, H.J., Kim, M.Y., Han, M.Y., Kim, S.B.

Interface shear strength in fiber-reinforced soil - Li, C., Zornberg, J.G.

Some thoughts about the design of stone columns - Magnan, J.P., Droniuc, N., Canépa, Y., Dhouib, A.

Reduction of traffic-induced vibration by soilbags (“donow”) - Matsuoka, H., Muramatsu, D., Liu, S.H.

Footing load tests on single and group of stone columns - Maurva, R.R., Sharma, B.V.R., Naresh, D.N.

Pullout resistance of extruded geogrids embedded in a compacted granular soil - Moraci, N., Recalcati, P.

Physical 1:1 scale model studies on geogrid reinforced soil walls - Saramago, R.P., Ehrlich, M.

Innovative restoration of medieval city walls of ‘s-Hertogenbosch by soil nailing - Steenbergen-Kajabová, J., Steenbrink, R., Habib, H.A.A.

Finite element modeling of stone columns - A case history - Tan, S.A., Oo, K.K.

Effects of reinforcement stiffness on deformation of reinforced soil structures under small cyclic loading - Uchimura, T., Mizuhashi, M.

The following papers were also included in this session. However, unfortunately, oral and poster presentations were canceled.

Parametric study of the stability of slopes reinforced with piles - Bellezza, I., Pasqualini, E.

Effects of geosynthetics reinforcement on bearing capacity and settlement of shallow foundations - Gualco, D., Berardi, R.

Influence of reinforcing grids on soil properties - Mulabdic, M., Minazek, K., Mrackovski, D.

Ultimate bearing capacity of shallow foundation on geogrid-reinforced sand - Patra, C.R., Mandal, J.N., Das, B.M.

Simple and accurate prediction of settlements of stone column reinforced soil - Pulko, B., Majes, B.

Design and instrumentation aspects of a 40m high nailed slope - Sayão, A.S.F.J., Lima, A.P., Springer, F.O., Dias, P.H.V., Nunes, A.L.L.S., Gerscovich, D.M.S.

Study on composite stone column in soft kaolinitic clay - Shroff, A.V., Patel, B.R.

Parametric study of reinforced earth walls deformations - Stanic, B., Kovacevic, M.S., Szavits-Nossan, A.