

Reports

Publications related to Press-in Technology (2017~2019)

NO.	Authors	Year of Publication	Title	Published in	Volume/Page	Language
1	Zhuang, Y.	2017	The Effect of Bottom Stabilisation on Sheet Pile Pit	M.Eng. Project Report, Cambridge University Department of Engineering	46p.	English
2	Ogawa, N., Ishihara, Y. and Kitamura, A.	2017	Experimental study on deformation of self-retaining sheet pile wall due to excavation and backside surcharge	Journal of Japan Society of Civil Engineers	Volume 73 Issue 1 pp. 62-75	Japanese
3	Takuma, T. and Kambe, S.	2017	Sustainable Slope Protection and Cut-off Wall Installation in Densely Populated Areas by the Press-in Piling Method	Proceedings of 2017 Geotechnical Frontiers Conference (ASCE GSP 279)	pp. 233-241	English
4	Takuma, T.	2017	Riverine Levee Upgrades Against Liquefaction and Seismic Impact with Double Sheet Pile Walls and Deep Soil Cement Mix Columns	Proceedings of 2017 Geo-Risk Conference (ASCE GSP 283)	pp. 67-75	English
5	Vaz, I. and Takuma, T.	2017	Advantages of Pressed-In Sheet Piles for New Orleans' Hurricane and Storm Damage Risk Reduction System Flood Control Project	2017 DFI Annual Conference Proceedings	-	English
6	Gillow, M.	2018	Water jetting for sheet piling in sandy soils	M.Eng. Project Report, Cambridge University Department of Engineering	49p.	English
7	Takuma, T. and Sakai, T.	2018	Emergency Bridge Pier Foundation Repair with Pressed-in Piles	Proceedings of 2018 International Foundations Congress and Construction Expo	pp. 224-237	English
8	Takuma, T., DellAringa, C. and Nagano, M.	2018	Retrofitting Drainage Systems With Pressed-in Sheet Piles in Very Hard Soil in Southern California	2018 DFI Annual Conference Proceedings	pp. 222-231	English
9	Suzuki, N., Kimura, Y., Sanagawa, T. and Nishioka, H.	2019	Modeling of vertical bearing capacity of rotally press-in pile used for a railway structure	Journal of Railway Engineering, JSCE	No.23 pp. 217-222	Japanese
10	Suzuki, N. and Ishihara, Y.	2019	Case study on the application of press-in piling data to design and construction of pile foundations for reducing the expected total cost	Proceedings of International Conference on Case Histories and Soil Properties	-	English
11	Jennifer Chambers	2019	Plugging during rotary pile driving	M.Eng. Project Report, Cambridge University Department of Engineering	-	English
12	Hirose, T. and Nozaki, T.	2019	Applications of Press-in Piling Method in urban development works	Proceedings of International Conference on Case Histories & Soil Properties	-	English
13	Takuma, T., Nishimura H. and Nagano, M.	2019	Emergency Bridge Abutment Repair with Pressed-in Pipe Piles	Proceedings of 2019 ASCE Geo-Congress Conference	pp. 308-317	English

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14	Takuma, T.	2019	Enhancement of Existing Levees' Resiliency Against Liquefaction and Lateral Spreading with Pressed-in Piles	Proceedings of 2019 International Conference on Natural Hazards and Infrastructure	(ID_276)	English
15	Takuma, T.	2019	Sinkhole and Landslide Mitigation with Pressed-in Piles	Proceedings of 2019 International Conference on Natural Hazards and Infrastructure	(ID_305)	English
16	Takuma, T. and Nagano, M.	2019	Emergency and Non-emergency Railroad Safe Earth Retaining Walls with Pressed-in Sheet Piles	2019 American Railway Engineering and Maintenance-of-way Association (AREMA) Annual Conference Proceedings	pp. 248-260	English
17	Takuma, T., Nozaki T. and sashi, M.	2019	Design and Construction of Permanent Sheet and Pipe Pile Basement Walls with the Press-In Piling Method	2019 DFI Annual Conference Proceedings	-	English
18	Takuma, T.	2019	Upgrading Existing Levees' Seismic Resiliency with Pressed-in Double Sheet Pile Walls	Proceedings of 7th International Symposium on Geotechnical Safety and Risk	pp. 804-809 (IS4-13)	English
19	Ishihama, Y., Takemura, J. and Kunasegaram, V	2019	Analytical evaluation of deformation behavior of cantilever type retaining wall using large diameter steel tubular piles into stiff ground	Proceedings of Geotechnics for Sustainable Infrastructure Development (GeotechHanoi 2019)	pp.91-98	English
20	Mochizuki, K., Isobe, K., Takemura, J. and Ishihama, Y	2019	Numerical simulation for centrifuge model tests on the stability of self-standing steel pipe pile retaining wall by Rigid Plastic FEM	Proceedings of Geotechnics for Sustainable Infrastructure Development (GeotechHanoi 2019)	pp.481-488	English
21	Kunasegaram, V., Otani, Y., Seki, S., Takemura, J. and Ishihama, Y	2019	Centrifuge Model Study on Cantilever Steel Tubular Pile Wall Embedded in Soft Rock	Proceedings of Geotechnics for Sustainable Infrastructure Development (GeotechHanoi 2019)	pp.1045-1053	English
22	Fujiwara, K., Nakai, K. and Ogawa, N.	2019	Quantitative evaluation of PFS (Partial Floating Sheet-pile) Method under liquefaction	Proceedings of Geotechnics for Sustainable Infrastructure Development (GeotechHanoi 2019)	pp.467-472	English
23	Kasama, K., Ohno, M., Tsukamoto, S. and Tanaka, J.	2019	Seismic Damage Investigation for River Levees Reinforced by Steel Sheet Piling Method Due to the 2016 Kumamoto Earthquake	Proceedings of Geotechnics for Sustainable Infrastructure Development (GeotechHanoi 2019)	pp.853-858	English
24	Kitano, Y. and Yamaguchi, M.	2019	A case history of piling work utilizing the Press-in method on a steep slope	Proceedings of Geotechnics for Sustainable Infrastructure Development (GeotechHanoi 2019)	pp. 845-852	English
25	Yamaguchi, M., Kimura, Y. and Morisawa, T.	2019	Rehabilitation of the coastal road retaining wall using the Press-in technology	Proceedings of Geotechnics for Sustainable Infrastructure Development (GeotechHanoi 2019)	pp. 1323-1330	English

Note: The above publications were Peer Reviewed papers but excluded the Proceedings of The First International Conference on Press-in Engineering 2018.