

Poster presentation reference numbers

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Poster reference	Location	ICPMG paper reference	Authors	Title
1. Sample preparation & characterisation				
Poster-001	Oliver Thompson Foyer	ICPMG2018_090	G. Cui, C.M. Heron & A.M. Marshall	Shear wave velocity: comparison between centrifuge and triaxial based measurements
Poster-002		ICPMG2018_106	R. Beber, S.S.C. Madabhushi, A. Dobrisan, S.K. Haigh & S.P.G. Madabhushi	LEAP GWU 2017: Investigating different methods for verifying the relative density of a centrifuge model
Poster-003		ICPMG2018_195	L.M Pua, B. Caicedo, D. Castillo & S. Caro	Development of a 3D clay printer for the preparation of heterogeneous models
Poster-004		ICPMG2018_232	O. Adamidis, S. Alber & I. Anastasopoulos	Investigation into 3D printing of granular media
Poster-005		ICPMG2018_317	A. Arnold, W. Zhang & A. Askarinejad	Undrained shear strength profile of normally and overconsolidated kaolin clay
2. Engineered platforms				
Poster-006	Oliver Thompson Foyer	ICPMG2018_014	A.A.Zaytsev, A.A. Abrashitov & A.A.Sydrakov	1g physical modelling of the stoneblowing technique for the improvement of railway track maintenance
Poster-007		ICPMG2018_243	M.S. Smit, E.P. Kearsley & S.W. Jacobsz	Scaled physical modelling of ultra-thin continuously reinforced concrete pavement
Poster-008		ICPMG2018_267	S. Laporte, G.A. Siemens & R.A. Beddoe	Physical modelling of roads in expansive clay subjected to wetting-drying cycles
Poster-009		ICPMG2018_318	T.N. Dave & S.M. Dasaka	Experimental model study on traffic loading induced earth pressure reduction using EPS geofoam
3. Physical/numerical interface & comparisons				
Poster-010	Pavilion	ICPMG2018_128	D. Nishiura, H. Sakaguchi & S. Yamamoto	Multibillion particle DEM to simulate centrifuge model tests of geomaterials
Poster-011		ICPMG2018_147	M. Otsubo, R. Kuwano, U. Ali & H. Ebizuka	Trapdoor model test and DEM simulation associated with arching
Poster-012		ICPMG2018_304	T. Kiriya, K. Fukutake & Y. Higo	Verification and validation of two-phase material point method simulation of pore water pressure rise and dissipation in earthquakes
4. Scaling				
Poster-013	Oliver Thompson Foyer	ICPMG2018_034	K. Sawada, K. Ueda & S. Iai	Applicability of the generalised scaling law to pile-inclined ground system
Poster-014		ICPMG2018_262	K.T.M Gowda & B.V.S. Viswanadham	Studies on the use of hydraulic gradient similitude method for determining permeability of soils
Poster-015		ICPMG2018_250	J.A. Knappett, M.J. Brown, L. Shields, A.H. Al-Defae & M. Loli	Variability of small scale model reinforced concrete and implications for geotechnical centrifuge testing

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5. Sensors				
Poster-018	Oliver Thompson Foyer	ICPMG2018_068	A.B. Lundberg, W. Broere & J. Dijkstra	Development of an instrumented model pile
Poster-019		ICPMG2018_100	A. Bezuijen, D.A. den Hamer, L. Vincke & K. Geirnaer	Free fall cone tests in kaolin clay
Poster-020		ICPMG2018_326	Y. Wang, Y. Hu & M.S. Hossain	Ambient pressure calibration for cone penetrometer test: necessary?
6. Modelling techniques				
Poster-021	Oliver Thompson Foyer	ICPMG2018_018	C. Lozada, B. Caicedo & L. Thorel	Physical modelling of atmospheric conditions during drying
Poster-023		ICPMG2018_120	F. S.Tehrani, A. Askarinejad & F. Schenkeveld	Preliminary results of laboratory analysis of sand fluidisation
Poster-024		ICPMG2018_161	M. Iskander	Transparent soils turn 25: past, present, and future
Poster-025		ICPMG2018_166	J. Boksmati, S.P.G. Madabhushi & N.I. Thusyanthan	Development of model structural dampers for dynamic centrifuge testing
Poster-026		ICPMG2018_172	D. Vitali, A. Leung, R. Zhao & J.A. Knappett	A new heating-cooling system for centrifuge testing of thermo-active geo-structures
Poster-027		ICPMG2018_202	J. Miyamoto, K. Tsurugasaki, R. Hem, T. Matsuda & K. Maeda	Development of a centrifuge testing method for stability analyses of breakwater foundation under combined actions of earthquake and tsunami
Poster-028		ICPMG2018_225	T. Liang, J.A. Knappett, G.J. Meijer, D. Muir Wood, A.G. Bengough, K.W. Loades & P.D. Hallett	Scaling of plant roots for geotechnical centrifuge tests using juvenile live roots or 3D printed analogues
Poster-029		ICPMG2018_261	D Bhattacharjee & B.V.S Viswanadham	Development of a rainfall simulator in centrifuge using Modified Mariotte's principle
Poster-030		ICPMG2018_283	K. Liu, Y.G. Zhou, Y. She, P. Xia, Y.M. Chen, D.S. Ling & B. Huan	Revisit of the empirical prediction methods for liquefaction-induced lateral spread by using the LEAP centrifuge model tests
7. Facilities				
Poster-032	Oliver Thompson Foyer	ICPMG2018_179	I.U. Khan, M. Al-Fergani & J.A. Black	Development of a rainfall simulator for climate modelling
Poster-033		ICPMG2018_204	S. Thevanayagam, Q. Huang, M. C. Constantinou, T. Abdoun & R. Dobry	Full Scale Laminar Box for 1-g Physical Modeling of Liquefaction
8. Education				
Poster-034	Oliver Thompson Foyer	ICPMG2018_305	A.F. Tessari & J.A. Black	Development of a teaching centrifuge learning environment using mechanically stabilised earth walls

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9. Offshore				
Poster-035	Oliver Thompson Foyer	ICPMG2018_215	R.Y. Khaksa, M. Moradi & A. Ghalandarzadeh	A novel experimental-numerical approach to model buried pipes subjected to reverse faulting
Poster-036		ICPMG2018_257	G. F. Ren, G. M. Xu, X. W. Gu, Z. Y. Cai, B. X. Shi & A. Z. Chen	Centrifuge modelling for lateral pile-soil pressure on passive part of pile group with platform
10. Offshore - shallow foundations				
Poster-037	Oliver Thompson Foyer	ICPMG2018_080	M. Stapelfeldt, J. Grabe & B. Bienen	Centrifuge tests investigating the effect of suction caisson installation in dense sand on the state of the soil plug
Poster-038		ICPMG2018_087	K. Mikasa & K. Okabayashi	Verification of improvement plan for seismic retrofits of existing quay wall in small scale fishing port
Poster-039		ICPMG2018_153	Y.H. Jeong, H.J. Park, D.S. Kim & J.H. Kim	Cyclic behaviour of unit bucket for tripod foundation system under various loading characteristics via centrifuge
Poster-040		ICPMG2018_155	Y. Sawamura, T. Shibata & M. Kimura	Evaluation of seismic behaviour of reinforced earth wall based on design practices and centrifuge model tests
Poster-041		ICPMG2018_248	M.J. Jun, Y.H. Kim, M.S. Hossain, M.J. Cassidy, Y. Hu & S.G. Park	Physical modelling of reinstatement of a novel spudcan nearby existing footprint
Poster-042		ICPMG2018_339	Y.P. Li & J.Y. Shi	Sleeve effect on the post-consolidation extraction resistance of spudcan foundation in overconsolidated clay
11. Offshore - deep foundations				
Poster-043	Oliver Thompson Foyer	ICPMG2018_150	J.T. Seong, J.H. Kim & D.S. Kim	Dynamic behaviour evaluation of offshore wind turbine using geotechnical centrifuge tests
Poster-044		ICPMG2018_217	K. Kita, T. Utsunomiya & K. Sekita	Centrifuge model tests on holding capacity of suction anchors in sandy deposits
12. Tunnels, shafts & pipelines				
Poster-045	Pavilion	ICPMG2018_296	M. Hajjalilue-Bonab, M. Farrin & M. Movasat	Shaking table test to evaluate the effects of earthquake on internal force of Tabriz subway tunnel (Line 2)
13. Imaging				
Poster-047	Oliver Thompson Foyer	ICPMG2018_027	M. D. Valencia-Galindo L. N. Beltrán-Rodriguez, J. A. Sánchez-Peralta, J. S. Tituaña-Puente, M. G. Trujillo-Vela, J. M. Larrahondo, L. F. Prada-Sarmiento & A. M. Ramos-Cañó	A two-dimensional laser-scanner system for geotechnical processes monitoring
Poster-048		ICPMG2018_275	T. Carey, N. Stone, B. Kutter & M. Hajjalilue-Bonab	A new procedure for tracking displacements of submerged sloping ground in centrifuge testing

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14. Seismic - dynamic				
Poster-049	Oliver Thompson Foyer	ICPMG2018_039	N. Nigorikawa, Y. Asaka & M. Hasebe	Dynamic centrifuge model tests on sliding base isolation systems leveraging buoyancy
Poster-050		ICPMG2018_070	T. Egawa, T. Yamanashi & K. Isobe	Investigation on the aseismic performance of pile foundations in volcanic ash ground
Poster-051		ICPMG2018_083	K.W. Ko, J.G. Ha, H.J. Park & D.S. Kim	Evaluation of period-lengthening ratio (PLR) of single-degree-of-freedom structure via dynamic centrifuge tests
Poster-052		ICPMG2018_097	F. Liang, Y. Jia, H. Zhang, H. Chen & M. Huang	Centrifuge shaking table tests on composite caisson-piles foundation
Poster-053		ICPMG2018_113	J. Le Cossec, K. J. L. Stone, C. Ryan & K. Dimitriadis	Centrifuge modelling of active seismic fault interaction with oil well casings
Poster-054		ICPMG2018_122	Y. Hatanaka & K. Isobe	Seismic amplification of clay ground and long-term consolidation after earthquake
Poster-055		ICPMG2018_294	C.H. Chen, T.S. Ueng & C.H. Chen	Dynamic Behaviours of Model Pile in Saturated Sloping Ground during Shaking Table Tests
Poster-056		ICPMG2018_325	A. Ghalandarzadeh & M. Ashtiani	Effective parameters on the interaction between reverse fault rupture and shallow foundations: centrifuge modelling
Poster-057		ICPMG2018_336	B. Zhu, J.C. Li, L.J. Wang & Y.M. Chen	Centrifugal model tests on static and seismic stability of landfills with high water level
15. Seismic - liquefaction				
Poster-058	Oliver Thompson Foyer	ICPMG2018_023	H. Funahara & N. Tomita	Experimental and computational study on effects of permeability on liquefaction
Poster-059		ICPMG2018_037	W. El-Sekelly, T. Abdoun, R. Dobry & S. Thevanayaga	Experimental simulation of the effect of preshaking on liquefaction of sandy soils
Poster-060		ICPMG2018_297	O. El Shafee, J. Lawler & T. Abdoun	Centrifuge modelling of site response and liquefaction using a 2D laminar box and biaxial dynamic base excitation
Poster-061		ICPMG2018_169	A.S.P.S. Marques, P.A.L.F. Coelho, S.K. Haigh & G.S.P. Madabhushi	Centrifuge modelling of earthquake-induced liquefaction on footings built on improved ground
Poster-062		ICPMG2018_214	B. Paramasivam, S. Dashti, A.B. Liel & J.C. Olarte	Centrifuge modelling of mitigation-soil-structure-interaction on layered liquefiable soil deposits with a silt cap
Poster-063		ICPMG2018_226	O. Adamidis & G.S.P. Madabhushi	Partial drainage during earthquake-induced liquefaction
Poster-064		ICPMG2018_256	W-Y Hung, T-W Liao, L-M Hu & J-X Huan	The effects of waveform of input motions on soil liquefaction by centrifuge modelling
16. Dams & embankments				
Poster-066	Pavilion	ICPMG2018_270	U. Ahmed, D.E.L. Ong & C.F. Leung	Performance of single piles in riverbank clay slopes subject to repetitive tidal cycles

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18. Slopes				
Poster-068	Pavilion	ICPMG2018_247	C. Zhang, Z.Y. Cai, Y.H. Huang & G.M. Xu	Centrifuge model studies of the soil slope under freezing and thawing processes
Poster-069		ICPMG2018_315	A. Askarinejad, W. Zhang, M. de Boorder & J. van der Zon	Centrifuge and numerical modelling of static liquefaction of fine sandy slopes
19. Ground improvement				
Poster-071	Oliver Thompson Foyer	ICPMG2018_001	X.W. Gu, Z. Y. Cai, G.M. Xu & G.F. Ren	Deformation behaviour research of an artificial island by centrifuge modelling test
Poster-072		ICPMG2018_142	M. Sabermahani, M. Moradi & A. Pooresmaeili	Performance of soil-nailed wall with three-dimensional geometry: centrifuge study
Poster-073		ICPMG2018_171	K. Wang, A.J. Brennan, J.A. Knappett, S. Robinson & A.G. Bengough	Centrifuge modelling of remediation of liquefaction-induced pipeline uplift using model root systems
Poster-074		ICPMG2018_260	S Kundu & B.V.S Viswanadham	Influence of tamper shape on dynamic compaction of granular soil
Poster-075		ICPMG2018_313	J. Mamaghanian, H.R. Razeghi, B.V.S. Viswanadham & C.H.S.G. Manikumar	Behaviour of geogrid reinforced soil walls with marginal backfills with and without chimney drain in a geotechnical centrifuge
Poster-076		ICPMG2018_316	V.M. Rotte & B.V.S. Viswanadham	Influence of slope inclination on the performance of slopes with and without soil-nails subjected to seepage: A centrifuge study
Poster-077		ICPMG2018_047	S. Nagula, P. Mayanja & J. Grabe	Deep vibration compaction of sand using mini vibrator
Poster-078		ICPMG2018_038	A.A. Soe, J. Kuwano, I. Akram, T. Kogure & H. Kanai	Behavior of geogrid-reinforced aggregate layer overlaying poorly graded sand under cyclic loading
20. Shallow foundations				
Poster-081	Pavilion	ICPMG2018_046	J.A. Schiavon, C.H.C. Tsuha & L. Thorel	Centrifuge investigation of the cyclic loading effect on the post-cyclic monotonic performance of a single-helix anchor in sand
Poster-082		ICPMG2018_144	A. Salehi, Y. Hu, B.M. Lehane, V. Zania & S.L. Sovso	The effect of soil stiffness on the undrained bearing capacity of a footing on a layered clay deposit
Poster-083		ICPMG2018_173	A.J. Lutenegro & M.T. Adams	1g model tests of surface and embedded footings on unsaturated compacted sand

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21. Deep foundations				
Poster-085	Pavilion	ICPMG2018_240	O. Jenck, F. Emeriault, C. Dos Santos Mendes, O. Yaba, J.B. Toni, G. Vian & M. Houda	Rigid pile improvement under rigid slab or footing under cyclic loading
Poster-086		ICPMG2018_245	M. Loli, I. Georgiou, A. Tsatsis, R. Kourkoulis & F. Gelagoti	Pull-out testing of steel reinforced earth systems: modelling in view of soil dilation and boundary effects
Poster-087		ICPMG2018_295	A.A. Ganiyu, A.S.A. Rashid, M.H. Osman & W.O. Ajagbe	Model tests on soil displacement effects for differently shaped piles
Poster-088		ICPMG2018_021	I. El Haffar, M. Blanc & L. Thorel	Effect of the installation methods of piles in cohesionless soil on their axial capacity
Poster-089		ICPMG2018_011	I. Ghaaowd, J. McCartney, X. Huang, F. Saboya & S. Tibana	Issues with centrifuge modelling of energy piles in soft clays
22. Walls & excavations				
Poster-090	Pavilion	ICPMG2018_303	E. Rodríguez, R.P. Cunha & B. Caicedo	Behaviour of piled raft foundation systems in soft soil with consolidation process
Poster-091		ICPMG2018_051	S. Tamate & T. Hori	A combined study of centrifuge and full scale models on detection of threat of failure in trench excavations
Poster-092		ICPMG2018_029	D.Y.K. Chan & S.P.G. Madabhushi	Centrifuge simulation of heave behaviour of deep basement slabs in overconsolidated clay