

# ICPMG 2022 Advance Program

Paper No.	P.Type	Title	Room	session code	Date	Presentation Code	Session Start	Session Finish	Presentation Start	Presentation Finish	Presenter
P00293	Plenary	The 850 g-ton modular drum centrifuge facility at HKUST	A	20A	20 (Tue) Sep.	20A-PL2-2	10:30	12:00	11:15	11:30	Prof. Limin Zhang
P00290	Plenary	Development of a model pile for heat transfer experiments in the centrifuge	A	20A	20 (Tue) Sep.	20A-PL2-3	10:30	12:00	11:30	11:45	Dr. Andrew McNamara
P00126	Plenary	GEOLAB: Integrating and advancing Europe's physical modelling facilities	A	20A	20 (Tue) Sep.	20A-PL2-4	10:30	12:00	11:45	12:00	Mr. Ton Peters
P00252	Plenary	Effect of rainfall intensity on the deformation behaviour of geogrid reinforced soil wall with low-permeable backfill: Centrifuge study	A	20A	20 (Tue) Sep.	20A-PL3-2	13:00	14:30	13:45	14:00	Prof. B V S Viswanadham
P00151	Plenary	Full-scale field testing: Opportunities and challenges through example case studies	A	20A	20 (Tue) Sep.	20A-PL3-3	13:00	14:30	14:00	14:15	Dr. Thi Minh Huu Le
P00225	Plenary	Centrifuge modeling of the deformation of slopes with earthquake-induced cracks during rainfall	A	20A	20 (Tue) Sep.	20A-PL3-4	13:00	14:30	14:15	14:30	Dr. Jiawei Xu
P00295	Plenary	Modelling long-term dynamic behavior of offshore wind turbine foundations using a novel hydraulic gradient apparatus	A	21A	21 (Wed) Sep.	21A-PL1-2	08:30	10:00	09:15	09:30	Dr. Wenjun Lu
P00133	Plenary	Centrifuge study of monopile embedded length on its horizontal response in sand	A	21A	21 (Wed) Sep.	21A-PL1-3	08:30	10:00	09:30	09:45	Dr. Matthieu Blanc
P00212	Plenary	Experimental study on offshore anchor piles under inclined cyclic loads in sand	A	21A	21 (Wed) Sep.	21A-PL1-4	08:30	10:00	09:45	10:00	Dr. Jian Yu
P00023	Plenary	Centrifuge tests on the scale effect of the critical hydraulic gradient for backward erosion piping of river levees	A	22A	22 (Thu) Sep.	22A-PL1-3	10:10	12:00	11:15	11:30	Prof. Mitsuo Okamura
P00094	Plenary	On the scaling principles of kinematic processes in a centrifugal acceleration field	A	22A	22 (Thu) Sep.	22A-PL1-4	10:10	12:00	11:30	11:45	Dr. Miguel Angel Cabrera
P00099	Plenary	Centrifuge model preparation methodology to simulate a layered gentle slope in soft clay	A	22A	22 (Thu) Sep.	22A-PL1-5	10:10	12:00	11:45	12:00	Dr. Cristian Yair Soriano
P00286	Plenary	Centrifuge study on the response of surface foundations subjected to strike-slip faulting on dense sand	A	22A	22 (Thu) Sep.	22A-PL2-2	16:45	18:00	17:30	17:45	Dr. Athanasios Agalinos
P00006	Plenary	Centrifuge tests on foundations under alternating loads in overconsolidated clay	A	22A	22 (Thu) Sep.	22A-PL2-3	16:45	18:00	17:45	18:00	Prof. Oliver Reul
P00079	Oral	Comparison of two experimental rigs for 1-g physical model tests in granular soils	A	20A1	20 (Tue) Sep.	20A1-T01-1	14:50	16:20	14:50	15:05	Mr. JINBAO WU
P00242	Oral	Interaction of foundations with undermining soil ground	A	20A1	20 (Tue) Sep.	20A1-T01-2	14:50	16:20	15:05	15:20	Prof. Askar Zhussupbekov
P00254	Oral	Rheological parameters for submarine landslide materials	A	20A1	20 (Tue) Sep.	20A1-T01-3	14:50	16:20	15:20	15:35	Mr. Erik Sørlie
P00272	Oral	Large-scale physical model for studying the effect of rock mass parameters in the erosion process of unlined spillways	A	20A1	20 (Tue) Sep.	20A1-T01-4	14:50	16:20	15:35	15:50	Ms. Marie-Hélène Wisse
P00240	Oral	Laboratory verification of capillary barrier system using a small-scale model test	A	20A1	20 (Tue) Sep.	20A1-T01-5	14:50	16:20	15:50	16:05	Prof. Byeong-Su Kim
P00292	Oral	A novel in-flight system to simulate the behaviour of steel catenary riser subjected to combined three-dimensional motions in centrifuge	A	20A1	20 (Tue) Sep.	20A1-T01-6	14:50	16:20	16:05	16:20	Dr. Sina Baghbanrezvan
P00096	Oral	Development of a new servo-hydraulic earthquake actuator for the 400 g-ton centrifuge at the university of colorado boulder	A	20A2	20 (Tue) Sep.	20A2-T01-1	16:30	18:00	16:30	16:45	Dr. Srikanth S C Madabhushi
P00267	Oral	Development of NUS's Mark II geotechnical beam centrifuge	A	20A2	20 (Tue) Sep.	20A2-T01-2	16:30	18:00	16:45	17:00	Prof. Hsong Chen Chian
P00251	Oral	Development and performance of a hybrid loading simulator for earthen dams	A	20A2	20 (Tue) Sep.	20A2-T01-3	16:30	18:00	17:00	17:15	Prof. B V S Viswanadham
P00284	Oral	Applications of KNU centrifuge on geotechnical engineering: Introduction of experimental cases	A	20A2	20 (Tue) Sep.	20A2-T01-4	16:30	18:00	17:15	17:30	Prof. Jae-Hyun Kim
P00039	Oral	Retrofit of the centrifuge engine line of the Uni-Eiffel GeoCentrifuge	A	20A2	20 (Tue) Sep.	20A2-T01-5	16:30	18:00	17:30	17:45	Mr. Patrick Gaudicheau
P00297	Oral	Considerations for a centrifuge facility retrofit	A	20A2	20 (Tue) Sep.	20A2-T01-6	16:30	18:00	17:45	18:00	Dr. April Bowman
P00046	Oral	Sphere pull-up and down tests to evaluate drag forces in viscous fluids to assess ideal ore lifting conditions	B	20B1	20 (Tue) Sep.	20B1-T07-1	14:50	16:20	14:50	15:05	Mr. Hong-Seok Choi
P00061	Oral	Pullout load capacity of offshore helical anchors under inclined loading conditions	B	20B1	20 (Tue) Sep.	20B1-T07-2	14:50	16:20	15:05	15:20	Ms. Jyyeong Lee
P00135	Oral	Free fall penetrometer for rapid site investigation for fish anchor	B	20B1	20 (Tue) Sep.	20B1-T07-3	14:50	16:20	15:20	15:35	Prof. Muhammad Shazzad Hossain
P00091	Oral	Investigation of anchor installation for floating offshore wind turbines	B	20B1	20 (Tue) Sep.	20B1-T07-4	14:50	16:20	15:35	15:50	Mr. Duy Anh Dao
P00021	Oral	Cyclic loading of offshore wind turbine mono-bucket foundations in sand	B	20B1	20 (Tue) Sep.	20B1-T07-5	14:50	16:20	15:50	16:05	Dr. Han Eng Low
P00076	Oral	Response of suction buckets in layered soils under storm loading	B	20B1	20 (Tue) Sep.	20B1-T07-6	14:50	16:20	16:05	16:20	Mr. Francisco da Silva Pereira
P00163	Oral	Centrifuge modelling on behaviour of hydrate bearing sediments during gas production by depressurization	B	20B2	20 (Tue) Sep.	20B2-T07-1	16:30	18:00	16:30	16:45	Dr. Lujun WANG
P00028	Oral	Response of armour rock-scour protection to earthquake-induced liquefaction for offshore wind applications	B	20B2	20 (Tue) Sep.	20B2-T07-2	16:30	18:00	16:45	17:00	Mr. Diarmid Muchen Xu
P00296	Oral	Introduction to coupled analysis for slope stability considering rainfall	B	20B2	20 (Tue) Sep.	20B2-T16-3	16:30	18:00	17:00	17:15	Ms. Jeongyeon Yu
P00063	Oral	Effect of water temperature on LNAPL contamination saturation reduction using flushing method; A physical modeling	B	20B2	20 (Tue) Sep.	20B2-T09-4	16:30	18:00	17:15	17:30	Mr. amirhossein afshari
P00144	Oral	Field studies and physical modelling of the behavior of traditional and high-strength gabions in application to railway geotechnics	B	20B2	20 (Tue) Sep.	20B2-T15-5	16:30	18:00	17:30	17:45	Dr. Andrey Aleksandrovich Zaytsev
P00087	Oral	On the application of single-board computers and physical computing for the investigation of the water retention curve of unsaturated granular soil	B	20B2	20 (Tue) Sep.	20B2-T04-6	16:30	18:00	17:45	18:00	Mr. Dennis Heinrich
P00093	Oral	Investigating the combined use of depth sensing cameras and optical flow analyses during centrifuge modelling of fly ash run-out	C	20C1	20 (Tue) Sep.	20C1-T04-1	14:50	16:20	14:50	15:05	Dr. Srikanth S C Madabhushi
P00121	Oral	Using cameras for measuring displacements in model tests	C	20C1	20 (Tue) Sep.	20C1-T04-2	14:50	16:20	15:05	15:20	Mr. Sumeet Kumar Sinha
P00032	Oral	Monitoring bending moment distributions in large-scale laterally loaded piles using fibre Bragg gratings and vibrating wire strain gauges	C	20C1	20 (Tue) Sep.	20C1-T04-3	14:50	16:20	15:20	15:35	Mr. Ruan Andrew Murison
P00058	Oral	Use of optic fibre technology to measure strain on laterally loaded piles	C	20C1	20 (Tue) Sep.	20C1-T04-4	14:50	16:20	15:35	15:50	Ms. Mariajose Guevara
P00182	Oral	The use of fibre optic and image analysis to investigate the performance of piles in sand under multi-directional horizontal loading	C	20C1	20 (Tue) Sep.	20C1-T04-5	14:50	16:20	15:50	16:05	Prof. Christophe Gaudin
P00070	Oral	On the use of high-resolution distributed fibre optic sensing for small-scale geotechnical experiments at 1g	C	20C1	20 (Tue) Sep.	20C1-T04-6	14:50	16:20	16:05	16:20	Dr. Xiaomin Xu
P00007	Oral	Pipe-jacking stoppages modelled using direct shear interface tests	C	20C2	20 (Tue) Sep.	20C2-T10-1	16:30	18:00	16:30	16:45	Mr. Kevin G. O'Dwyer
P00034	Oral	Physical modelling of synthetic over-consolidated shale deflection	C	20C2	20 (Tue) Sep.	20C2-T10-2	16:30	18:00	16:45	17:00	Prof. Gonzalo Zambrano Narvaez
P00259	Oral	Physical modeling to simulate shear behavior of rock joint	C	20C2	20 (Tue) Sep.	20C2-T10-3	16:30	18:00	17:00	17:15	Mr. Mairaj Hyder Alias Aamir Soomro
P00018	Oral	Stability analysis of unsupported vertical cuts using the modified total stress approach	C	20C2	20 (Tue) Sep.	20C2-T11-4	16:30	18:00	17:15	17:30	Dr. Won Taek Oh
P00025	Oral	Laboratory testing of open caisson construction-induced ground displacements in sand	C	20C2	20 (Tue) Sep.	20C2-T11-5	16:30	18:00	17:30	17:45	Dr. Geyang Song
P00245	Oral	Small and large-scale tests on failure of geogrid-reinforced soil walls	C	20C2	20 (Tue) Sep.	20C2-T11-6	16:30	18:00	17:45	18:00	Prof. Raul Fuentes
P00130	Oral	Modelling the strength and stiffness behavior of coarse-grained soils using 3D printed soil analogs	D	20D1	20 (Tue) Sep.	20D1-T03-1	14:50	16:20	14:50	15:05	Prof. Alejandro Martinez
P00172	Oral	Novel 3D laser-testing approach for evaluation of soil-shrinkage-curve (SSC)	D	20D1	20 (Tue) Sep.	20D1-T03-2	14:50	16:20	15:05	15:20	Prof. Sascha Henke
P00171	Oral	Development of a laboratory testing device for soil-structure-interaction characterization	D	20D1	20 (Tue) Sep.	20D1-T03-3	14:50	16:20	15:20	15:35	Mr. Moritz Anton Loreth
P00037	Oral	Development of ring shear experiment in micro-focus X-ray CT scanner	D	20D1	20 (Tue) Sep.	20D1-T03-4	14:50	16:20	15:35	15:50	Mr. Shintaro Nohara
P00107	Oral	Soil-water characteristic curve estimation using characteristic length from soil gradation of volcanic sandy soil	D	20D1	20 (Tue) Sep.	20D1-T03-5	14:50	16:20	15:50	16:05	Mr. Ryoosuke Nakajima
P00188	Oral	Understanding of microbially induced carbonate precipitation-treated sands by small- and large-strain properties	D	20D1	20 (Tue) Sep.	20D1-T03-6	14:50	16:20	16:05	16:20	Prof. Jinung Do
P00036	Oral	Cantilever steel tubular pile wall embedded in stiff ground subjected to sequential dynamic and static loadings	D	20D2	20 (Tue) Sep.	20D2-T11-1	16:30	18:00	16:30	16:45	Mr. S M Shafi
P00065	Oral	The influence of saturation on the dynamic response of the structure behind a retaining wall	D	20D2	20 (Tue) Sep.	20D2-T11-2	16:30	18:00	16:45	17:00	Ms. Xiaoyu Guan
P00197	Oral	Centrifuge modeling of soil mass excavation in dry sand; Inverse soil arching effect below excavation base	D	20D2	20 (Tue) Sep.	20D2-T11-3	16:30	18:00	17:00	17:15	Mr. Kai Wu
P00224	Oral	Centrifuge test to assess K0 in unsaturated soil layers with varying groundwater table levels	D	20D2	20 (Tue) Sep.	20D2-T11-4	16:30	18:00	17:15	17:30	Prof. Kyohei Ueda
P00253	Oral	Deformation behaviour of soil-nailed slopes subjected to rainfall infiltration	D	20D2	20 (Tue) Sep.	20D2-T11-5	16:30	18:00	17:30	17:45	Prof. B V S Viswanadham
P00273	Oral	Centrifuge modeling of C-RHA pile reinforcement for slope stability	D	20D2	20 (Tue) Sep.	20D2-T11-6	16:30	18:00	17:45	18:00	Mr. Nurza Purwa Abiyoga

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Paper No.	P.Type	Title	Room	session code	Date	Presentation Code	Session Start	Session Finish	Presentation Start	Presentation Finish	Presenter
P00031	Oral	Monopiles under cyclic loading: First results from the Ho-Pile project	A	21A2	21 (Wed) Sep.	21A2-T07-1	15:05	16:50	15:05	15:20	Mr. Severin Karl Josef Spill
P00041	Oral	Impact of monopile hammering installation on the horizontal response in centrifuge	A	21A2	21 (Wed) Sep.	21A2-T07-2	15:05	16:50	15:20	15:35	Mr. Semaan MAATOUK
P00042	Oral	Centrifuge modelling of laterally loaded pile with large load eccentricity	A	21A2	21 (Wed) Sep.	21A2-T07-3	15:05	16:50	15:35	15:50	Mr. Shahriar Shirazi
P00049	Oral	Development of a mini vibro-driver to model monopile installation in a geotechnical centrifuge	A	21A2	21 (Wed) Sep.	21A2-T07-4	15:05	16:50	15:50	16:05	Ms. Jülia Hein Mazutti
P00086	Oral	Rate-dependent monopile response to lateral loading in glacial till: Laboratory-scale model tests	A	21A2	21 (Wed) Sep.	21A2-T07-5	15:05	16:50	16:05	16:20	Mr. Kuen-Wei Wu
P00104	Oral	Monopile and hybrid foundation system comparisons under monotonic lateral loading	A	21A2	21 (Wed) Sep.	21A2-T07-6	15:05	16:50	16:20	16:35	Mr. Yazeed Abdullah Alsharedah
P00157	Oral	Effect of loading rate on lateral behaviour of monopiles in sand	A	21A2	21 (Wed) Sep.	21A2-T07-7	15:05	16:50	16:35	16:50	Prof. Bin Zhu
P00026	Oral	Treatment for the propagation of cracks in soft soils Polyethylene Terephthalate fiber	B	21B1	21 (Wed) Sep.	21B1-T06-1	13:00	14:45	13:00	13:15	Dr. Eduardo Botero-Jaramillo
P00050	Oral	2D effect of static or rolling load on a granular platform above a soft soil reinforced by rigid inclusions	B	21B1	21 (Wed) Sep.	21B1-T06-2	13:00	14:45	13:15	13:30	Dr. Luc Thorel
P00249	Oral	Experimental studies on the performance of soft clay improved with pervious concrete drains	B	21B1	21 (Wed) Sep.	21B1-T06-3	13:00	14:45	13:30	13:45	Prof. B V S Viswanadham
P00071	Oral	A centrifuge model for soil compaction of partially saturated soils	B	21B1	21 (Wed) Sep.	21B1-T06-4	13:00	14:45	13:45	14:00	Prof. Bernardo Caicedo
P00189	Oral	Small-scale model tests on the formation of compaction pile using controlled grading aggregates	B	21B1	21 (Wed) Sep.	21B1-T06-5	13:00	14:45	14:00	14:15	Mr. Sen Sven Delgado Falcon
P00250	Oral	Centrifuge studies on ground improvement of sandy soil with progress of dynamic compaction	B	21B1	21 (Wed) Sep.	21B1-T06-6	13:00	14:45	14:15	14:30	Prof. B V S Viswanadham
P00258	Oral	Application of hybrid columns under tank foundations in organic soil	B	21B1	21 (Wed) Sep.	21B1-T06-7	13:00	14:45	14:30	14:45	Dr. Suneel Matchala
P00124	Oral	Experimental study of the influence of non-plastic fines on soil liquefaction by centrifuge modelling	B	21B2	21 (Wed) Sep.	21B2-T08-1	15:05	16:50	15:05	15:20	Dr. Zheng Li
P00208	Oral	Centrifuge modelling of liquefaction triggering in sandy soils	B	21B2	21 (Wed) Sep.	21B2-T08-2	15:05	16:50	15:20	15:35	Dr. Daniela Giretti
P00226	Oral	Modelling the behaviour of gravity-type quay wall during the 2017 Pohang earthquake	B	21B2	21 (Wed) Sep.	21B2-T08-3	15:05	16:50	15:35	15:50	Dr. Moon-Gyo Lee
P00248	Oral	Multi-dimensional modeling of liquefaction using I-soil model	B	21B2	21 (Wed) Sep.	21B2-T08-4	15:05	16:50	15:50	16:05	Mr. Guangchao Xing
P00090	Oral	Centrifuge tilting test on the sophistication of reinforcement method in dry masonry retaining wall	B	21B2	21 (Wed) Sep.	21B2-T08-5	15:05	16:50	16:05	16:20	Mr. Kazuya Sano
P00164	Oral	Seismic response of sheet-pile with a liquefiable backfill subjected to input motions of different durations in centrifuge tests	B	21B2	21 (Wed) Sep.	21B2-T08-6	15:05	16:50	16:20	16:35	Mr. Satish Manandhar
P00288	Oral	Effect of soil-structure interaction on sand deposits supported by a sheet-pile wall under liquefied conditions	B	21B2	21 (Wed) Sep.	21B2-T08-7	15:05	16:50	16:35	16:50	Dr. Evangelia Korre
P00030	Oral	High speed observation on damage process of embankments during earthquakes in a centrifugal acceleration field	C	21C1	21 (Wed) Sep.	21C1-T13-1	13:00	14:45	13:00	13:15	Mr. Ryuichi IBUKI
P00077	Oral	Experimental study on dynamic behaviors of irrigation dams by changing their heights and degree of compactions	C	21C1	21 (Wed) Sep.	21C1-T13-2	13:00	14:45	13:15	13:30	Mr. Kentaro Fukuda
P00081	Oral	On the hydro-mechanical behavior of an unsaturated river embankment: Centrifuge testing and numerical analysis	C	21C1	21 (Wed) Sep.	21C1-T13-3	13:00	14:45	13:30	13:45	Dr. Elena Dodaro
P00117	Oral	Numerical investigations of a transient seepage process in the design and validation of a river embankment centrifuge test	C	21C1	21 (Wed) Sep.	21C1-T13-4	13:00	14:45	13:45	14:00	Dr. Carmine Gerardo Gragnano
P00265	Oral	Centrifuge modelling of a river embankment subjected to transient seepage conditions	C	21C1	21 (Wed) Sep.	21C1-T13-5	13:00	14:45	14:00	14:15	Dr. Daniela Giretti
P00231	Oral	Centrifuge modeling of pore water pressure generation and dissipation in the rapidly-filled excavated soft clay	C	21C1	21 (Wed) Sep.	21C1-T13-6	13:00	14:45	14:15	14:30	Prof. Liangtong ZHAN
P00247	Oral	Static liquefaction of fine sands in laboratory conditions	C	21C1	21 (Wed) Sep.	21C1-T13-7	13:00	14:45	14:30	14:45	Dr. Agnieszka Dąbska
P00045	Oral	Centrifuge modelling of silty-sand slopes under intermittent rainfall conditions	C	21C2	21 (Wed) Sep.	21C2-T09-1	15:05	16:50	15:05	15:20	Mr. Sanchitha Hema Sharendra Jayakody
P00073	Oral	Sequential submarine landslides: A study on a centrifuge planar setup	C	21C2	21 (Wed) Sep.	21C2-T09-2	15:05	16:50	15:20	15:35	Dr. Miguel Angel Cabrera
P00109	Oral	Centrifuge modelling of slope failure induced by surface and seepage flows	C	21C2	21 (Wed) Sep.	21C2-T09-3	15:05	16:50	15:35	15:50	Dr. Yuusuke Miyazaki
P00110	Oral	Slope failure and a countermeasure by centrifuge rainfall experiment	C	21C2	21 (Wed) Sep.	21C2-T09-4	15:05	16:50	15:50	16:05	Mr. Kakeru Tasaki
P00128	Oral	Susceptibility analysis of landslides by field monitoring and numerical modeling	C	21C2	21 (Wed) Sep.	21C2-T09-5	15:05	16:50	16:05	16:20	Dr. Moonhyun Hong
P00204	Oral	Behaviour of sandy and clayey slopes exposed to artificial rain in small-scale model	C	21C2	21 (Wed) Sep.	21C2-T09-6	15:05	16:50	16:20	16:35	Prof. Zeljko Arbanas
P00120	Oral	Investigating the conditions required for self-supporting soil arches	C	21C2	21 (Wed) Sep.	21C2-T09-7	15:05	16:50	16:35	16:50	Dr. Talia Simone da Silva Burke
P00066	Oral	Investigation of soil clogging mechanisms at the cutting tool-soil interface with miniaturised separation tests and computed tomography	D	21D1	21 (Wed) Sep.	21D1-T01-1	13:00	14:45	13:00	13:15	Mr. Maximilian Schroeder
P00190	Oral	Centrifuge apparatus for modelling helical anchor response under snatch loads	D	21D1	21 (Wed) Sep.	21D1-T01-2	13:00	14:45	13:15	13:30	Mr. Pierre-Yves Duverneuil
P00131	Oral	Dynamic debris flow impact force reduction in flexible barriers using novel brake elements	D	21D1	21 (Wed) Sep.	21D1-T01-3	13:00	14:45	13:30	13:45	Mr. Sunil Poudyal
P00210	Oral	Riser-seabed interaction in the touchdown zone using fibre optic sensing in a geotechnical centrifuge	D	21D1	21 (Wed) Sep.	21D1-T01-4	13:00	14:45	13:45	14:00	Dr. Colm O'Beirne
P00196	Oral	Development of an impact pile driving system for the geotechnical centrifuge at Delft University of Technology	D	21D1	21 (Wed) Sep.	21D1-T01-5	13:00	14:45	14:00	14:15	Mr. Tristan Quinten
P00132	Oral	Influence of interstitial fluid on debris flow mobility: An experimental study	D	21D1	21 (Wed) Sep.	21D1-T01-6	13:00	14:45	14:15	14:30	Ms. Aastha Bhatta
P00185	Oral	Comparison of dynamic behavior of caisson-type quay wall before and after renovation using geo-centrifuge test	D	21D1	21 (Wed) Sep.	21D1-T01-7	13:00	14:45	14:30	14:45	Prof. Young-Sang Kim
P00013	Oral	Physical & numerical modelling of piled rafts under lateral loading	D	21D2	21 (Wed) Sep.	21D2-T12-2	15:05	16:35	15:05	15:20	Ms. Zacharoula KATSANEVAKI
P00015	Oral	Permanent strains and deflections of reinforced-concrete piles under cyclic lateral loading	D	21D2	21 (Wed) Sep.	21D2-T12-3	15:05	16:35	15:20	15:35	Mr. Hendrik Louw
P00016	Oral	Scaled modelling of frost heave of small piles in centrifuge tests	D	21D2	21 (Wed) Sep.	21D2-T12-4	15:05	16:35	15:35	15:50	Prof. Tim Newson
P00019	Oral	Vertical loading tests on a simplified tree root prototype	D	21D2	21 (Wed) Sep.	21D2-T12-5	15:05	16:35	15:50	16:05	Mr. Andrea Marsigli
P00059	Oral	Effect of soil-rock layer configuration on lateral load carrying performance of inclined micropiles	D	21D2	21 (Wed) Sep.	21D2-T12-6	15:05	16:35	16:05	16:20	Mr. Qaisar Abbas
P00083	Oral	Centrifuge model tests on the effects of the supporting dense sand layer thickness on a pile under static loading	D	21D2	21 (Wed) Sep.	21D2-T12-7	15:05	16:35	16:20	16:35	Ms. Isabella Galarosa Martinez

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Paper No.	P.Type	Title	Room	session code	Date	Presentation Code	Session Start	Session Finish	Presentation Start	Presentation Finish	Presenter
P00008	Oral	A new centrifuge permeameter to examine the role of stress and scale in internal erosion	A	22A1	22 (Thu) Sep.	22A1-T01-1	08:30	10:00	08:30	08:45	Ms. Rowena Stevenson
P00040	Oral	A Pipe-segment testing device for axial pipe-soil shearing and comparison of interface shear behaviour at different scales	A	22A1	22 (Thu) Sep.	22A1-T01-2	08:30	10:00	08:45	09:00	Mr. Borui Ge
P00043	Oral	Development of a test setup for piled embankment modelling	A	22A1	22 (Thu) Sep.	22A1-T01-3	08:30	10:00	09:00	09:15	Dr. Jan Laue
P00072	Oral	A micro laminar box coupled with a piezoelectric shaking table for centrifuge testing	A	22A1	22 (Thu) Sep.	22A1-T01-4	08:30	10:00	09:15	09:30	Ms. Maria Juliana Chaparro
P00098	Oral	Duct seal design considerations in a rigid container for dynamic centrifuge modeling of liquefiable deposits	A	22A1	22 (Thu) Sep.	22A1-T01-5	08:30	10:00	09:30	09:45	Ms. Caroline Bessette
P00014	Oral	Assessment of boundary effects of the Equivalent Shear Beam container for dynamic centrifuge testing of liquefiable soils	A	22A1	22 (Thu) Sep.	22A1-T01-6	08:30	10:00	09:45	10:00	Dr. Domenico Gaudio
P00142	Oral	On the application of analytical methods and empirical values for the determination of the pull-out resistance of driven steel piles	A	22A2	22 (Thu) Sep.	22A2-T12-1	13:00	14:30	13:00	13:15	Mr. Diaa Alkateeb
P00178	Oral	Effect of preloading method on foundation underpinning using centrifuge modelling	A	22A2	22 (Thu) Sep.	22A2-T12-2	13:00	14:30	13:15	13:30	Dr. Chengcan Wang
P00201	Oral	Impact on pile behavior due to new adjacent excavations: A case study and numerical simulation	A	22A2	22 (Thu) Sep.	22A2-T12-3	13:00	14:30	13:30	13:45	Ms. Paromeeta Bandyopadhyay
P00255	Oral	Bearing behavior of pile resting on soft rock with NATM type tunnel	A	22A2	22 (Thu) Sep.	22A2-T12-4	13:00	14:30	13:45	14:00	Ms. Albea Chloe Regine
P00271	Oral	Process for physical modelling of single pile capacity in thawing ground	A	22A2	22 (Thu) Sep.	22A2-T12-5	13:00	14:30	14:00	14:15	Dr. Geoffrey Eichhorn
P00287	Oral	Drum centrifuge testing of a bored pile group under combined loading	A	22A2	22 (Thu) Sep.	22A2-T12-6	13:00	14:30	14:15	14:30	Dr. Lampros Sakellariadis
P00069	Oral	Vertical cyclic loading of piled foundations in expansive clays	A	22A3	22 (Thu) Sep.	22A3-T04-1	15:00	16:30	15:00	15:15	Dr. Tiago A. V. Gaspar
P00148	Oral	Laboratory study on the effect of biopolymer injection to reduce the penetration resistance during pile driving	A	22A3	22 (Thu) Sep.	22A3-T12-2	15:00	16:30	15:15	15:30	Mr. Min-Tae Kim
P00183	Oral	Evaluation of end bearing capacity of embedded pile with inclined base plate by chamber test	A	22A3	22 (Thu) Sep.	22A3-T12-3	15:00	16:30	15:30	15:45	Ms. Mi Jeong Seo
P00089	Oral	Circular shallow foundations with V-M loading: A course in geotechnical centrifuge testing	A	22A3	22 (Thu) Sep.	22A3-T14-4	15:00	16:30	15:45	16:00	Mr. Diarmid Muchen Xu
P00153	Oral	Measuring six-degree-of-freedom of the drag embedment anchor by centrifuge	A	22A3	22 (Thu) Sep.	22A3-T04-5	15:00	16:30	16:00	16:15	Dr. Ying Lai
P00187	Oral	Effect of loading height and end bearing condition on p-y curves of large diameter monopile for offshore wind turbine using centrifuge tests	A	22A3	22 (Thu) Sep.	22A3-T07-6	15:00	16:30	16:15	16:30	Ms. Min Ji Lee
P00064	Oral	Centrifuge modelling of long-term tunnelling ground movements	B	22B1	22 (Thu) Sep.	22B1-T10-1	08:30	10:00	08:30	08:45	Dr. Sam Divali
P00078	Oral	Dynamic centrifuge model tests on the uplift behavior of manholes and sewer pipes due to liquefaction	B	22B1	22 (Thu) Sep.	22B1-T10-2	08:30	10:00	08:45	09:00	Dr. Sreng Sokkheang Suzuki
P00241	Oral	Trapdoor tests on ground loosening and collapse by tunnel over excavation in sand	B	22B1	22 (Thu) Sep.	22B1-T10-3	08:30	10:00	09:00	09:15	Prof. Jiro Takemura
P00266	Oral	Loading tests on model subsurface cavities in base course layer of prototype scale test road	B	22B1	22 (Thu) Sep.	22B1-T10-4	08:30	10:00	09:15	09:30	Prof. Jiro KUWANO
P00140	Oral	Influence of initial hydraulic gradient on slurry penetration	B	22B1	22 (Thu) Sep.	22B1-T10-5	08:30	10:00	09:30	09:45	Prof. Adam Bezuijen
P00264	Oral	Field and centrifuge modelling of a pumped underground hydroelectric energy storage system in sand	B	22B1	22 (Thu) Sep.	22B1-T10-6	08:30	10:00	09:45	10:00	Dr. Andrea Franza
P00047	Oral	Falling head flow test to study pipe flow and viscous characteristics of carrier materials used for ore lifting from deep seafloor	B	22B2	22 (Thu) Sep.	22B2-T07-1	13:00	14:15	13:00	13:15	Ms. Minoru Kyoj
P00085	Oral	Comparison of dynamic embedment of a surface laid and trench laid cryogenic pipeline	B	22B2	22 (Thu) Sep.	22B2-T07-2	13:00	14:15	13:15	13:30	Prof. Muhammad Shazzad Hossain
P00095	Oral	Axial shear friction of polypropylene pipes against granular beds	B	22B2	22 (Thu) Sep.	22B2-T07-3	13:00	14:15	13:30	13:45	Mr. Borui Ge
P00075	Oral	Seismic response of an offshore wind turbine jacket structure with pile foundations	B	22B2	22 (Thu) Sep.	22B2-T07-4	13:00	14:15	13:45	14:00	Mr. KARTHY NATARAJAN
P00274	Oral	Seismic response of the monopile with upper-mass in centrifuge modeling	B	22B2	22 (Thu) Sep.	22B2-T07-5	13:00	14:15	14:00	14:15	Mr. Farid Sitepu
P00145	Oral	Physical modelling on the pull-out resistance of a pile member embedded in a large size two-dimensional soil box geometry	B	22B3	22 (Thu) Sep.	22B3-T06-1	15:00	16:45	15:00	15:15	Mr. Suhyuk Park
P00191	Oral	Stabilization of silty sand with CSA cement under freeze-thaw cycles	B	22B3	22 (Thu) Sep.	22B3-T06-2	15:00	16:45	15:15	15:30	Ms. Nazerke Sagidullina
P00232	Oral	MICP: Bio-grouting potential on sandy soil material	B	22B3	22 (Thu) Sep.	22B3-T06-3	15:00	16:45	15:30	15:45	Ms. Ida Agustina Nomlani
P00281	Oral	Compressibility characteristics of soft kaolinitic clay mass through perforated bamboo using model consolidation test	B	22B3	22 (Thu) Sep.	22B3-T06-4	15:00	16:45	15:45	16:00	Ms. Milee Baranda
P00147	Oral	A laboratory apparatus and PIV analysis method to characterize the horizontal displacement of backfill materials	B	22B3	22 (Thu) Sep.	22B3-T15-5	15:00	16:45	16:00	16:15	Mr. Gi-Yun Kim
P00193	Oral	Field and laboratory tests of soil-cement columns with new eco binder	B	22B3	22 (Thu) Sep.	22B3-T06-6	15:00	16:45	16:15	16:30	Mr. Jebie Balagosa
P00175	Oral	Projection of stabilization for the subgrade foundation within the project of the Northern Latitudinal Railway at the Russian Arctic	B	22B3	22 (Thu) Sep.	22B3-T06-7	15:00	16:45	16:30	16:45	Dr. Taisiya Vasiljevna Shepitko
P00084	Oral	Study on trench stability of diaphragm wall foundation with enlarged part	C	22C1	22 (Thu) Sep.	22C1-T12-1	08:30	10:00	08:30	08:45	Mr. Akihiro IWATA
P00097	Oral	Physical modelling of wind turbine gravity foundations	C	22C1	22 (Thu) Sep.	22C1-T12-2	08:30	10:00	08:45	09:00	Ms. Janet Oswald Modu
P00100	Oral	Centrifuge tests on the uplift behavior of spread foundations in cohesionless soils	C	22C1	22 (Thu) Sep.	22C1-T12-3	08:30	10:00	09:00	09:15	Mr. Kyeong-Sun Kim
P00101	Oral	Observation of ground behavior during pile loading test in centrifuge by particle image velocimetry (PIV)	C	22C1	22 (Thu) Sep.	22C1-T12-4	08:30	10:00	09:15	09:30	Dr. Takatoshi Kiriya
P00106	Oral	Centrifuge modeling of vertically loaded multi-belled pile in sand focusing on bell spacing	C	22C1	22 (Thu) Sep.	22C1-T12-5	08:30	10:00	09:30	09:45	Mr. Kentaro Hama
P00114	Oral	Study on the influence of the installation advance ratio on the cyclic response of a single-helix pile in sand	C	22C1	22 (Thu) Sep.	22C1-T12-6	08:30	10:00	09:45	10:00	Mr. Matheus Annicchini
P00141	Oral	Effective centrifuge radius for determining saturated hydraulic conductivity in porous media	C	22C2	22 (Thu) Sep.	22C2-T02-1	13:00	14:30	13:00	13:15	Prof. Guohui Lei
P00162	Oral	Evaluation of hypergravity effects on thermo-hydro-mechanical behaviour of saturated soils	C	22C2	22 (Thu) Sep.	22C2-T02-2	13:00	14:30	13:15	13:30	Mr. Zhiqiang YE
P00103	Oral	Centrifuge modelling of rainfall infiltration into the soil affected by rainfall and soil characteristics	C	22C2	22 (Thu) Sep.	22C2-T02-3	13:00	14:30	13:30	13:45	Dr. Kohei Ono
P00276	Oral	Uniform compacted models for centrifuge testing of plastic fine-grained soils	C	22C2	22 (Thu) Sep.	22C2-T03-4	13:00	14:30	13:45	14:00	Dr. Thejesh Kumar Garala
P00116	Oral	Coupled DEM-FDM investigation of centrifuge acceleration on the response of shallow foundations in soft rocks	C	22C2	22 (Thu) Sep.	22C2-T02-5	13:00	14:30	14:00	14:15	Mr. Jinhui Zheng
P00211	Oral	Physical modelling of underground excavations in a random fractured rock mass	C	22C2	22 (Thu) Sep.	22C2-T03-6	13:00	14:30	14:15	14:30	Mr. Emilio Abi Aad
P00012	Oral	Modelling small RC piles for geotechnical centrifuge testing	C	22C3	22 (Thu) Sep.	22C3-T02-1	15:00	16:30	15:00	15:15	Ms. Zacharoula KATSANEVAKI
P00169	Oral	Centrifuge modelling of an energy pile group within seepage	C	22C3	22 (Thu) Sep.	22C3-T02-2	15:00	16:30	15:15	15:30	Mr. Badr Ouzzine
P00234	Oral	Effect of G-level on pullout behavior of tree-root inspired anchors embedded in dry sand	C	22C3	22 (Thu) Sep.	22C3-T02-3	15:00	16:30	15:30	15:45	Ms. Yoon-Ah Kim
P00027	Oral	Lessons learnt modelling tailings dam flow-type failures in the centrifuge	C	22C3	22 (Thu) Sep.	22C3-T02-4	15:00	16:30	15:45	16:00	Prof. Schalk Willem Jacobsz
P00035	Oral	Predicting multi-lift mine tailings consolidation with centrifuge physical modelling and numerical simulation	C	22C3	22 (Thu) Sep.	22C3-T03-5	15:00	16:30	16:00	16:15	Prof. Gonzalo Zambrano Narvaez
P00214	Oral	Collation and interpretation of structural data at various scales to inform 3D structural models	C	22C3	22 (Thu) Sep.	22C3-T02-6	15:00	16:30	16:15	16:30	Ms. Helen Baxter-Crawford

## ICPMG 2022 Advance Program

Paper No.	P.Type	Title	Room	session code	Date	Presentation Code	Session Start	Session Finish	Presentation Start	Presentation Finish	Presenter
P00136	Oral	Centrifuge modelling for dynamic behaviour of shallow foundation on liquefied soil: Effect of amplitude and duration of earthquake motion	D	22D1	22 (Thu) Sep.	22D1-T08-1	08:30	10:00	08:30	08:45	Mr. Dong Hyeong Choi
P00194	Oral	Behaviour of connected and disconnected piles in clayey soils under earthquake loading	D	22D1	22 (Thu) Sep.	22D1-T08-2	08:30	10:00	08:45	09:00	Dr. Berrak Teymur
P00216	Oral	Experimental investigation of soil-foundation-structure interaction on seismic behavior of monopile supported structure	D	22D1	22 (Thu) Sep.	22D1-T08-3	08:30	10:00	09:00	09:15	Dr. Jeong-Gon HA
P00230	Oral	Dynamic p-y loops of pile-supported structures installed in saturated sand through centrifuge model tests	D	22D1	22 (Thu) Sep.	22D1-T08-4	08:30	10:00	09:15	09:30	Dr. Jungwon Yun
P00236	Oral	Seismic response of piled raft foundation on weathered soils using 1g shaking table tests	D	22D1	22 (Thu) Sep.	22D1-T08-5	08:30	10:00	09:30	09:45	Mr. Sumin Song
P00291	Oral	Centrifuge simulation of liquefiable sand under high and low confining pressure with single and double drainage boundaries	D	22D1	22 (Thu) Sep.	22D1-T08-6	08:30	10:00	09:45	10:00	Prof. Tarek Abdoun
P00033	Oral	Reproduce the coastal landslide induced tsunami using centrifuge model	D	22D2	22 (Thu) Sep.	22D2-T08-1	13:00	14:15	13:00	13:15	Mr. Loi Huy Doan
P00048	Oral	Effects of previous rainfall on failure mechanism of volcanic embankments under subsequent seismic loadings	D	22D2	22 (Thu) Sep.	22D2-T08-2	13:00	14:15	13:15	13:30	Mr. Trong Nam Nguyen
P00180	Oral	Assessment of intensity measures for seismic slope displacement using centrifuge tests	D	22D2	22 (Thu) Sep.	22D2-T08-3	13:00	14:15	13:30	13:45	Ms. Yoon-Ah Kim
P00161	Oral	Nonlinear site response of soil-cement grid improved ground by centrifuge models	D	22D2	22 (Thu) Sep.	22D2-T08-4	13:00	14:15	13:45	14:00	Mr. Yuan Cao
P00067	Oral	Effect of soil densification due to stone column installation on the seismic behaviour of wind turbine on liquefiable soil	D	22D2	22 (Thu) Sep.	22D2-T08-5	13:00	14:15	14:00	14:15	Mr. Juntae Seong
P00074	Oral	Dynamic characterization of mine waste rock in centrifuge testing	D	22D3	22 (Thu) Sep.	22D3-T08-1	15:00	16:30	15:00	15:15	Dr. Inthuorn Sasanakul
P00082	Oral	Experimental study on dynamic behavior of ashlar masonry walls by centrifuge model tests	D	22D3	22 (Thu) Sep.	22D3-T08-2	15:00	16:30	15:15	15:30	Dr. Kentaro Uemura
P00237	Oral	Investigating performance of rubber-soil mixture as a geotechnical seismic isolation technique using geotechnical centrifuge	D	22D3	22 (Thu) Sep.	22D3-T08-3	15:00	16:30	15:30	15:45	Ms. Yi-Hsiu Wang
P00285	Oral	Parametric study of the boundary effects imposed by different types of centrifuge containers	D	22D3	22 (Thu) Sep.	22D3-T05-4	15:00	16:30	15:45	16:00	Dr. Konstantinos Kassas
P00282	Oral	Effect of artificial simulation of jointed orientation of carbonate sedimentary rocks on strength parameters using triaxial system	D	22D3	22 (Thu) Sep.	22D3-T05-5	15:00	16:30	16:00	16:15	Mr. Raj Purohit
P00215	Oral	Utilising point clouds to characterize defect sets in rock slopes	D	22D3	22 (Thu) Sep.	22D3-T15-6	15:00	16:30	16:15	16:30	Ms. Kara Stariha
P00122	Poster	The role of fouling sand in track stiffness	-	P01	22 (Thu) Sep.	PO-01	-	-	-	-	Dr. José Estaire
P00062	Poster	A case study on the effect of acceleration rising stage on slope stability in centrifugal model tests	-	P02	22 (Thu) Sep.	PO-02	-	-	-	-	Dr. Kyung-Tae Bae
P00024	Poster	Numerical simulation of centrifuge model tests on reduction of coefficient of horizontal subgrade reaction of piles in liquefied volcanic ash grc	-	P05	22 (Thu) Sep.	PO-03	-	-	-	-	Dr. Takuya Egawa
P00068	Poster	Modelling of an integral bridge abutment under cyclic thermal loading	-	P05	22 (Thu) Sep.	PO-04	-	-	-	-	Mr. Douglas George Morley
P00294	Poster	Settlement analysis of grouped pile and ground surface for 2-arch and box tunnel excavation	-	P05	22 (Thu) Sep.	PO-05	-	-	-	-	Ms. Tshering Dendup
P00195	Poster	Cyclic loading test on geogrid stabilised model trackbeds	-	P06	22 (Thu) Sep.	PO-06	-	-	-	-	Mr. Olatounde Alexandre Yaba
P00280	Poster	Consolidation behavior of diatomite and characterization methodology	-	P06	22 (Thu) Sep.	PO-07	-	-	-	-	Mr. Handikajati Kusuma Marjadi
P00038	Poster	The effect of scour on lateral behavior of monopiles in calcareous sand	-	P07	22 (Thu) Sep.	PO-08	-	-	-	-	Dr. Majid Moradi
P00134	Poster	Geo-Centrifuge experiment to investigate two functional effects on structure-soil-structure interactions	-	P08	22 (Thu) Sep.	PO-09	-	-	-	-	Dr. Van-Linh Ngo
P00152	Poster	Dynamic centrifuge modeling of a shallow founded structure on layered soft clay considering the hard crust layer	-	P08	22 (Thu) Sep.	PO-10	-	-	-	-	Mr. Jiachen Guo
P00217	Poster	Prediction of maximum rotation of rocking foundation considering structural response during strong earthquakes	-	P08	22 (Thu) Sep.	PO-11	-	-	-	-	Dr. Kil-Wan Ko
P00228	Poster	Centrifuge modeling of buckling instability of piles during earthquake-induced liquefaction	-	P08	22 (Thu) Sep.	PO-12	-	-	-	-	Mr. Zhiyuan Tang
P00279	Poster	Characterization of VS profile at seismic observatory stations using HVSR	-	P08	22 (Thu) Sep.	PO-13	-	-	-	-	Prof. Dongyoun Kwak
P00173	Poster	Centrifuge modelling of vibration propagation via pile foundations in sand ground	-	P10	22 (Thu) Sep.	PO-14	-	-	-	-	Mr. Junxing Chen
P00235	Poster	Detection of buried objects using the GPR and 3D electrical resistivity survey	-	P10	22 (Thu) Sep.	PO-15	-	-	-	-	Dr. Keun-Soo Lee
P00057	Poster	Dynamic centrifuge model tests of soil-bentonite vertical cut-off walls with earthquake-proof performance	-	P11	22 (Thu) Sep.	PO-16	-	-	-	-	Prof. Koji Watanabe
P00207	Poster	Numerical simulation for the relationship between freeway slope stability and ground anchor residual loads	-	P11	22 (Thu) Sep.	PO-17	-	-	-	-	Prof. SAO-JENG CHAO
P00278	Poster	Effect of soil plug on the ground behavior during vertical shaft excavation in clay	-	P11	22 (Thu) Sep.	PO-18	-	-	-	-	Mr. Seok-Jun Kang
P00268	Poster	The effect of pile temperature on its bearing capacity in dry granular soil: 1g physical model tests	-	P12	22 (Thu) Sep.	PO-19	-	-	-	-	Dr. Fardin Jafarzadeh
P00009	Poster	Dynamic model tests of levees reinforced by cement deep mixing method	-	P13	22 (Thu) Sep.	PO-20	-	-	-	-	Dr. Hidenori Takahashi
P00011	Poster	Centrifuge model tests on tsunami-induced failure process of composite-type breakwater with reinforcing embankment	-	P13	22 (Thu) Sep.	PO-21	-	-	-	-	Dr. Ooki Kurihara
P00181	Poster	Centrifuge model tests on the earthquake-induced liquefaction of layered dam foundation	-	P13	22 (Thu) Sep.	PO-22	-	-	-	-	Ms. Wenjing Liu
P00289	Poster	Investigation of erosion characteristics for alluvial soils using the pinhole test	-	P13	22 (Thu) Sep.	PO-23	-	-	-	-	Mr. Cong-Hanh Nguyen
P00186	Poster	Programs and practice of student project activity in the issues of physical and numerical modelling of the subgrade for megaprojects of railway	-	P14	22 (Thu) Sep.	PO-24	-	-	-	-	Dr. Andrey Aleksandrovich Zaytsev
P00020	Poster	Physical modelling of the voluminous spill and migration of LNAPL contaminants in unsaturated soil.	-	P16	22 (Thu) Sep.	PO-25	-	-	-	-	Mr. Ali Behdad
P00184	Poster	Shaking table tests on seismic response of subway tunnel in silty clay	-	P16	22 (Thu) Sep.	PO-26	-	-	-	-	Mr. Zhonghao Wang
P00219	Poster	Experimental approach on evaluation of interlocking block pavement performance	-	P16	22 (Thu) Sep.	PO-27	-	-	-	-	Mr. Inhyun Kim
P00277	Poster	Penetration characteristics of xanthan gum grout in coarse soil matrix	-	P16	22 (Thu) Sep.	PO-28	-	-	-	-	Mr. Minhyeong Lee

This is the advanced program of ICPMG 2022. Please note that there will be some updates to the presentation schedule. Should you have any inquiries, please contact us ([secretariat@icpmg2022.org](mailto:secretariat@icpmg2022.org)).