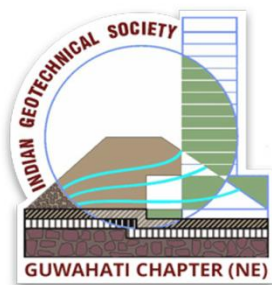




IGC 2017 – GeoNEst

PROGRAM SCHEDULE



Organised by
IGS Guwahati Chapter (NE)
in association with
Department of Civil Engineering
IIT Guwahati



IGC 2017 - GeoNEst
14 -16 December 2017, IIT Guwahati, Guwahati

13 December 2017
16.00 hrs

Registration
Venue: Conference Centre

DAY 1: 14 December 2017, Thursday

DAY 1
14-12-2017, Thursday

8:00	8:45	Registration and Breakfast Venue: Conference Centre				
9:00	10:15	Inaugural Ceremony and IGS awards Venue: Auditorium				
10:15	11:00	Exhibition Inauguration & Coffee/Tea Break Venue: Exhibition area				
11:00	11:45	39th IGS Annual Lecture - Prof. M. N. Viladkar, IIT Roorkee Venue: Auditorium				
12:00	13:10	Plenary Session I Venue: Auditorium				
12:00	12:30	Keynote Lecture 1: Geotechnics of Soft Ground by Prof. M. R. Madhav, JNTU & IIT, Hyderabad, India				
12:30	12:40	Corporate Presentation: AIMIL Ltd				
12:40	13:10	Keynote Lecture 2: Development of Underground Tunnel Construction Technology in Weak Rock by Prof. E. C. Shin, Incheon National University, Republic of Korea				
13:10	14:30	Lunch & Exhibition Visits				
		Parallel Technical Sessions (TS 1 to TS 5) Venue: Conference Halls (CH1 to CH4) & Mini Auditorium (MA)				
14:30	16:00	TS 1 (CH1)	TS 2 (CH2)	TS 3 (CH3)	TS 4 (CH4)	TS 5 (MA)
16:00	16:30	Coffee/Tea Break/Exhibition				
16:30	17:20	Plenary Session 2 Venue: Auditorium				
16:30	17:00	Keynote Lecture 3: Soil-Bentonite Cutoff Walls for Geoenvironmental Containment by Prof. Takeshi Katsumi, Kyoto University, Japan				
17:00	17:05	Corporate Presentation: Strata Geosystems Pvt Ltd				
17:05	17:10	Corporate Presentation: Spar Geo Infra Pvt Ltd				
17:10	17:20	Short Talk titled "Recent Ghazipur Landfill Failure in Delhi" by Prof. Manoj Datta, IIT Delhi, India				
17:30	19:30	Springer Author Workshop for Students Venue: Conference Hall 3 (CH3)				
18:00	19:00	IGS Annual General body Meeting (AGM) Venue: Conference Hall 2 (CH2)				
19:30		Dinner				
		Poster Session 1 (Full Day 1)				

IGC 2017 - GeoNEst
14 -16 December 2017, IIT Guwahati, Guwahati

DAY 2: 15 December 2017, Friday

DAY 2 15-12-2017, Friday	8:00	8:45	Registration and Breakfast Venue: Conference Centre					
	9:00	11:00	Plenary Session 3 Venue: Auditorium					
	9:00	9:30	Keynote Lecture 4: Reliability and Accuracy of Seismic Tests in Geotechnical Site Characterization by Prof. S. Foti, Politecnico di Torino, Italy					
	9:30	9:40	Corporate Presentation: Maccaferri Environmental Solutions Pvt. Ltd					
	9:40	10:10	Keynote Lecture 5: Cascaded Recycle of Waste Tires - Some Novel Approaches towards Sustainable Geo-Construction and Climate Change Adaptation by Prof. H. Hazarika, Kyushu University, Fukuoka, Japan					
	10:10	11:00	SPECIAL SESSION on NE Geotechnical Problems					
	11:00	11:30	Coffee/Tea Break & Exhibition					
			Parallel Technical Sessions (TS 6 to TS 10) Venue: Conference Halls (CH1 to CH4) & Mini Auditorium (MA)					
	11:30	13:00	TS 6 (CH1)	TS 7 (CH2)	TS 8 (CH3)	TS 9 (CH4)	TS 10 (MA)	
			Sub-Theme	TH01-2	Th10	Th02	Th12-2	Th09-2
	13:00	14:00	Lunch & Exhibition Visits					
	14:00	15:40	Plenary Session 4 Venue: Auditorium					
	14:00	14:30	Keynote Lecture 6: Static and Seismic Slope Safety Displacement Based Criterion for Seismic Analysis by Prof. S. Sarma, Imperial College, London, UK					
	14:30	14:40	Corporate Presentation: Flexituff International Ltd					
	14:40	15:10	Keynote Lecture 7: On the Use of Scaled Model Tests for Analysis and Design of Offshore Wind Turbines by Prof. Subhamoy Bhattacharya, University of Surrey, UK					
	15:10	15:40	Keynote Lecture 8: Geotechnical Challenges in Tunneling Through Weak Rocks by Prof. Mahendra Singh, IIT Roorkee, India					
	15:40	16:10	Coffee/Tea Break & Exhibition					
			Parallel Technical Sessions (TS 11 to TS 15) Venue: Conference Halls (CH1 to CH4) & Mini Auditorium (MA)					
	16:10	17:40	TS 11 (CH1)	TS 12 (CH2)	TS 13 (CH3)	TS 14 (CH4)	TS 15 (MA)	
	18:30		Cultural Programme & Conference dinner					
			Poster Session 2 (Full Day 2)					

IGC 2017 - GeoNEst
14 -16 December 2017, IIT Guwahati, Guwahati

DAY 3: 16 December 2017, Saturday

DAY 3 16-12-2017, Saturday	8:00	8:45	Registration and Breakfast Venue: Conference Centre				
	9:00	10:40	Plenary Session 5 Venue: Auditorium				
	9:00	9:30	Keynote Lecture 9: Image Based Characterization Techniques for Geotechnical Applications by Prof. G Madhavi Latha, IISc Bangalore, India				
	9:30	9:40	VJ Tech Ltd				
	9:40	10:10	Keynote Lecture 10: Modelling and Behaviour of Geosynthetics Reinforced Foundation by Prof. S Chandra, GLA University, Mathura, India				
	10:10	10:40	Keynote Lecture 11: Soil Structure Interaction Analysis of Pile Foundations Subjected to Dynamic Loads by Prof. A Boominathan, IIT Madras, India				
	10:40	11:10	Coffee/Tea Break & Exhibition				
			Parallel Technical Sessions (TS 16 to TS 20) Venue: Conference Halls (CH1 to CH4) & Mini Auditorium (MA)				
	11:10	13:10	TS 16 (CH1)	TS 17 (CH2)	TS 18 (CH3)	TS 19 (CH4)	TS 20 (MA)
	13:10	14:10	Lunch & Exhibition Visits				
			Parallel Technical Sessions (TS 21 to TS 25) Venue: Conference Halls (CH1 to CH4) & Mini Auditorium (MA)				
	14:10	15:40	TS 21 (CH1)	TS 22 (CH2)	TS 23 (CH3)	TS 24 (CH4)	TS 25 (MA)
	15:40	16:10	Coffee/Tea Break & Exhibition				
	16:10	17:40	Plenary Session 6 Venue: Auditorium				
	16:10	16:40	Keynote Lecture 12: Addressing Sustainable Technologies in Geotechnical and Geoenvironmental Engineering by Prof. Krishna R. Reddy, University of Illinois at Chicago, USA				
	16:40	17:10	Valedictory Session				
			Poster Session (Full Day 3)				
	Platinum Sponsors:	Aimil Ltd. Maccaferri Environmental Solutions Pvt Ltd Flexituff International Ltd					
	Diamond Sponsors:	Strata Geosystems (India) Pvt Ltd Spar Geo Infra Pvt Ltd					
	Gold Sponsors:	Terre Armee Reinforced Earth India Pvt Ltd Geobruigg India Pvt Ltd VJ Tech Ltd PWD, Arunachal Pradesh					
Silver Sponsors	Keller Ground Engineering India Pvt Ltd TechFab India Industries Ltd SAVI Infrastructure & Properties Pvt Ltd						
Bronze Sponsors:	Bharat Geo Systems Pvt Ltd Nayak Infrastructure Pvt Ltd						

TECHNICAL SESSION - 1 (TS 1)	
Sub-Theme:	Th01 (1/2) Geotechnical and Geophysical Investigation
Date: 14-12-2017	Time: 2.30 PM - 4.00 PM Venue: Conference Hall - I
Theme lecture 1	Subsurface Investigation- Integrated and Modern Approach <i>Dr. P Anbazhagan, IISc Bangalore</i>
Th01_037	Some studies on laboratory and field electrical resistivities of soils <i>Nimi Ann Vincent, R Shivashankar, K N Lokesh</i>
Th01_178	Prediction of Material Parameters Using Index Properties and Modeling the Behaviour of Prototype Quarried Rockfill Material <i>N P Honkanadavar</i>
Th01_381	Use of Electrical Resistivity Tomography (ERT) for prediction of saline water contamination <i>Soumitra Kumar Kundu, Arindam Saha, Ashim Kanti Dey</i>
Th01_416	Effect of saline solution on strength of clayey soil using electro-osmosis technique <i>R S Savliya, A J Shah</i>
Th01_426	Experimental and Analytical Aspects of Active MASW Survey <i>Mustafizur Rahman, Dipjyoti Baglari</i>
Th01_446	A New Travelling Pluviator for Preparing Uniform Sand Samples in the Laboratory <i>Sayantan Chakraborty, Ashish Juneja, M E Raghunandan</i>

TECHNICAL SESSION - 2 (TS 2)	
Sub-Theme:	Th15 Marine Geotechnics
Date: 14-12-2017	Time: 2.30 PM - 4.00 PM Venue: Conference Hall - II
Theme lecture 2	Prospects and Challenges of Output and Performance Based Contracts - A Geotechnical Perspective <i>Dr. Diganta Sarma, International Consultant, Diligent Group NZ Limited, New Zealand</i>
Th15_081	Large Deformation Finite Element Modeling of Uplift Response of Buried Oil and Gas Subsea Pipelines <i>Subhrajit Moitra, Santiram Chatterjee, Deepankar Choudhury</i>
Th15_199	Back Analysis Of Pile Driving Data Of Two Offshore Platforms From West Coast Of India <i>Rupam Mahanta, R K Ghanekar, Sriharsha Gamidi</i>
Th15_202	Lateral Load Carrying Capacity of Skirted Foundation on Sand <i>T Prasanth, P Rajendra Kumar</i>
Th15_217	Significance of Site Specific Stiffness Parameters on Settlement Behaviour of Rubble Mound Breakwater Constructed on Soft Marine Clay <i>Tanusree Samanta, J S Edlabadkar, M V Chhatre</i>
Th15_222	Countermeasures to Enhance the Stability of Breakwater Foundation under Actions of Earthquake and Tsunami: Centrifuge Model Tests <i>Babloo Chaudhary, Hemanta Hazarika, Akira Murakami, Kazunori Fujisawa</i>
Th15_733	Geo Acoustic Inversion Method for Analyzing Impact Due to Sediments on Underwater Channel <i>Annalakshmi G, Sakhtivel Murugan</i>

TECHNICAL SESSION - 3 (TS 3)	
Sub-Theme:	Th03 (1/2) Slope Stability, Landslides and Natural Disaster Mitigation
Date: 14-12-2017	Time: 2.30 PM - 4.00 PM Venue: Conference Hall - III
Theme lecture 3	Runout of flow landslides <i>Prof. Vikas Thakur, NTNU Norway</i>
Th03_063	Assessment of Rockfall Activity along the Road Cut Slope in Himalayan Region - A Case Study <i>Sahil Sardana, Manish Kumar Jha, A K Verma</i>
Th03_733	Slope Stabilization & Rockfall Protection at Chenani Nashri Tunnel - A Case Study <i>Lopamudra Dutta</i>
Th03_096	A Study of the Stability of Waste, Sub-grade and Fines Dumps in a Surface Iron Ore Mine <i>Mamta Jaswal, Phalguni Sen</i>
Th03_119	Landslide hazard assesment of Mangan slope, Sikkim, India <i>Neharika Rao Ganta, Neelima Satyam</i>
Th03_235	Evaluation of Permanent Displacement for Earthquake Induced Landslides <i>Sangeeta, B K Maheshwari</i>
Th03_405	Experimental evaluation of raindrop splash erosion control in vetiver protected soil slope using rainfall simulator <i>Donal Nixon D'Souza, A K Choudhary, P Basak, S K Shukla</i>

TECHNICAL SESSION - 4 (TS 4)	
Sub-Theme:	Th12 (1/3) Slope Stability, Landslides and Natural Disaster Mitigation
Date: 14-12-2017	Time: 2.30 PM - 4.00 PM Venue: Conference Hall - IV
Theme lecture 4	Determination of anelastic attenuation factor (Q) and decay factor (k) from ground motion records of the intra-plate region <i>Dr. Neelima Satyam, IIT Indore</i>
Th12_162	Frequency-dependent impedance functions from full-scale field tests on a block foundation <i>Abhishek Anand, Prishati Raychowdhuri, Samit Raychoudhuri, Prabhakar Gundlapalli</i>
Th12_315	Liquefaction Potential Assessment of an Institute Campus <i>Nishant Nilay, Pradipta Chakrabortty</i>
Th12_317	Dynamic soil structure interaction of earthen dam with and without geotextile <i>G Sreedevi, Shivraj S Antaratana, Sudarshan C Gouda</i>
Th12_728	Effect of Far Field Soil Reaction on Seismic Response of Integral Abutment Bridge <i>Atop Lego, Anjan Dutta, S K Deb</i>
Th12_336	Effect of Frequency on Dynamic Soil Properties using Cyclic Triaxial Apparatus <i>Shahbaz Alam, Bal Krishna Maheswari</i>
Th12_379	Liquefaction Characterization for the Soil of Champaknagar Village in Tripura <i>Suman Nath, Sanjay Paul</i>

TECHNICAL SESSION - 5 (TS 5)	
Sub-Theme:	Th09 (1/4) Ground Improvement Techniques
Date: 14-12-2017	Time: 2.30 PM - 4.00 PM Venue: Mini Auditorium
Theme lecture 5	Retrofitting of N-W Corner of Kolkata High Court Heritage Building Through Micropiles & Grouting <i>Prof. Satyendra Mittal, IIT Roorkee</i>
Th09_034	3D Numerical studies on Buried Pipelines Using Jute Geotextile <i>Y Z Beju, J N Mandal</i>

Th09_043	Experimental and Numerical Investigation on Load-Settlement Behaviour of Stone Column Reinforced Fly Ash Backfill <i>Abhijit Anand, Rajib Sarkar</i>
Th09_049	Experimental Model Study: Improvement of Peat Soil by Construction of Floating Peat-Cement Columns through Application of Deep Mixing Method <i>B Ramu, A Paul, Monowar Hussain</i>
Th09_111	Cyclic loading responses of off-lane test track laid on expansive soil subgrade <i>G Radhakrishnan, M Anjan Kumar, G V R Prasada Raju</i>
Th09_114	Effects of Footing Width to Length Ratio on Critical Thickness of Granular Fill over Soft Soil <i>Subinay Saha Roy, Kousik Deb</i>
Th09_158	Experimental Study on Bamboo-Jute Composite reinforced soft clay <i>Soundara B, Mehala S, Kiruba Shankar M, Kalyani B, Jayanthi V</i>

Poster Session - 1

Date: 14-12-2017

Venue: Conference Centre foyer

Poster board (PB)-1	Th01_211	Electrical Resistivity Studies on Lateritic Soils <i>Divya Nath, Nimi Ann Vincent, R Shivashankar, K N Lokesh</i>
PB-2	Th01_216	Uplift Capacities of Double-Plate Square Anchors at Shallow Depths in Sand <i>Vidya Tilak B., Narendra Kumar Samadhiya</i>
PB-3	Th01_256	Index Properties and Compaction Characteristics of Soils <i>H S Prasanna, Anil M G , Praveen, Harshitha D</i>
PB-4	Th01_319	Soil characterization and stratification using seismic refraction test <i>Sourav Sarkar, Arindam Saha, Ashim Kanti Dey</i>
PB-5	Th01_453	Borrow area investigations for an earthen embankment dam-a case study <i>Vikas Kumar Jain, M. Dixit, R Chitra</i>
PB-6	Th01_573	Effects of Source Characteristics in Passive Roadside MASW Survey <i>Dipjyoti Baglari, Arindam Dey</i>
PB-7	Th01_659	Stability assessment of a cut slope and its stabilization aspects <i>Sandeep Kumar Mondal, Mithresh K P, Sreedeeep S</i>
PB-8	Th02_076	3-D Numerical Analysis of Small Piled-Raft Foundation in Clay Soil <i>Mali Shivanand Mahadeo, Baleshwar Singh</i>
PB-9	Th02_298	Comparison of pseudo-static and pseudo-dynamic analysis of ultimate bearing capacity of shallow strip footing resting on layered soil <i>Litan Debnath, Sima Ghosh</i>
PB-10	Th02_524	The Bearing Capacity and Settlement Study of Eccentrically Loaded Circular and Rectangular Footing on Granular Soil <i>Abraham Lincoln, Md. Firoz Ali, Supia Khatun</i>
PB-11	Th02_560	Artificial Neural Networks Based Bearing Capacity Prediction for Square Footing Resting on Confined Sand <i>Tammineni Gnananandarao, R. K. Dutta, V. N. Khatri</i>
PB-12	Th02_602	Load Carrying Capacity of Laterally Loaded Batter Piles <i>Krishna M V Ratnam M, Prabhakar Gundlapalli, Neelima Satyam</i>
PB-13	Th02_698	Geotechnical Aspect for Design of Track Formation System for High Speed Rail Lines on Alluvial Soil Deposited - A Review <i>Pawan Kumar, V P Singh</i>
PB-14	Th03_207	Effect of climate parameters on slope stability <i>Noor Jahan Begum, Utpal Kumar Nath</i>
PB-15	Th03_223	Pseudo-Static Analysis of Slope considering Log Spiral Failure Mechanism <i>Suman Hazari, Sima Ghosh, Richi Prasad Sharma</i>

PB-16	Th03_398	Parametric Studies of Soil Nailing Wall Using FLAC3D <i>Nabajyoti Sarkar, Arup Bhattacharjee</i>
PB-17	Th03_447	Analysis of Effect of Reinforcement on Stability of Slopes with Marginal Soil <i>Akshay Kumar Jha, Madhav Madhira, G V N Reddy</i>
PB-18	Th03_522	A Finite Element Approach of Stability Analysis of Over Burden Dump Slope - A Case Study <i>Lalima Banerjee, Sowmiya Chawla</i>
PB-19	Th03_552	Importance of Spatial Variability on Probabilistic Slope Stability <i>Rubi Chakraborty, Arindam Dey</i>
PB-20	Th03_580	Landslide evolution through catastrophe theory based on planar-slip slope model <i>Chiranjib Prasad Sarma, A Murali Krishna, Arindam Dey</i>
PB-21	Th03_633	3-dimensional slope stability analysis using Plaxis-3D <i>Pawan Kumar Singh, Himangshu Lahkar, Karam Vir Islary, Diganta Goswami</i>
PB-22	Th03_706	Landslide Predication by Remote Sensing and GIS and its Continuous Monitoring by using WSN System- A proposal for Kumbharli Ghat, Maharashtra <i>Abhijeet Arun Bhondwe, S R Suryawanshi, P K Deshpande, U L Deshpande</i>
PB-23	Th03_713	Stability analysis of slope with different soil types and its stabilization techniques <i>Hymavathi Jampani, Navya Bhupathi</i>
PB-24	Th04_045	Generalised Solution for Active Earth Pressure During Earthquake by Graphical Method <i>Debarati Jana, B C Chattopadhyay, Joyanta Maity</i>
PB-25	Th04_322	Analysis of sheet pile wall under different loading conditions using Finite Element method <i>Shivangi Saxena, Vijay Kumar</i>
PB-26	Th04_327	Critical Review of Earth Pressure Theory Considering Soil Arching <i>Shibayan Biswas, Deepankar Choudhury</i>
PB-27	Th04_418	Effect of Sheet Pile Wall Supported Excavation on Adjacent Structures <i>Aparna, Akhil Raj, N K Samadhiya</i>
PB-28	Th04_497	Parametric Study on Deformation Behavior of Earth Dam on Multi Layered Soil Deposits under Seismic Loading <i>Ambarakonda Pooja, Supriya Mohanty</i>
PB-29	Th04_762	Seismic Stability Analysis of Reinforced Soil Wall Using Modified Horizontal Slice Method <i>Shantanu Patra, Partha Sarathi Nayek</i>
PB-30	Th05_104	Influence of rice husk ash on the swelling and strength characteristics of expansive soil <i>Anil Kumar Choudhary, J N Jha, Arpit Jain, Madhumita Mohanty</i>
PB-31	Th05_171	Evaluation of Surface Infiltration of Multi-layered Cover system <i>Sudheer Kumar Yamsani, Sreedeeep Sekharan</i>
PB-32	Th05_239	Development of Alternate Liner Material by Blending Fly Ash, Local Soil and Bentonite <i>Vamsi Alla, Suvendu Kumar Sasmal, Rabi Narayan Behera, Chittaranjan Patra</i>
PB-33	Th05_246	Physico-chemical analysis of soil affected by dyes and pigment industries <i>Rima Shah, Manas Kumar Bhoi, H B Raghavendra</i>
PB-34	Th05_359	Behaviour of Bentonite In Presence of Heavy Metal <i>Saswati Ray, Anil Kumar Mishra, Ajay Kalamdhad</i>
PB-35	Th05_376	Variation in the Geotechnical Properties of Biosolids upon Blending with Fly Ash and Lime <i>Ajitha B Bhaskar, Sajna S, Kannan K</i>
PB-36	Th05_421	Stabilization of Red Mud Using Low Ash Coal Fly Ash <i>Shamshad Alam, Sarat Kumar Das, B Hanumantha Rao</i>
PB-37	Th05_461	Influence of soil quality of Agricultural soil on Cropwater requirements <i>Pranita Kalita, Dikshita Dutta, Utpal Kumar Nath</i>
PB-38	Th05_541	Experimental Observation of Breakthrough Concentrations of Pb, Na, Ca, and K in Column Leaching of Refuse Soils from Borageon Waste Dumpsite <i>Suresh A Kartha, Heeralal Nandmehar</i>

PB-39	Th05_550	Influence of Paper Sludge on Volume Change Behaviour of Fly Ash-Paper Sludge Mixtures <i>Archana Shaji, Sangeetha S</i>
PB-40	Th05_584	Remediation of metal contaminated soil, A Review <i>Neelam Phougat, Mahabir Dixit, R Chitra</i>
PB-41	Th05_617	Influence of tyre chips on the behaviour of sand-bentonite mixture <i>Krishanu Mukherjee, Anil Kumar Mishra</i>
PB-42	Th05_645	Consolidation characteristics of bentonites in presence of salt solutions <i>Purabi Das, Jagori Dutta, Anil Kumar Mishra</i>
PB-43	Th05_660	Parametric Study for Stability of Liner Systems of Side-Slope Landfills In Hilly Regions <i>Abinash Mahanta, Manoj Datta, G V Ramana</i>
PB-44	Th05_686	A study on Swelling, Compressibility and Permeability characteristics of a bentonite-sand mixture <i>Binu Sharma, Smitakshi Sarma, Asuri Shridharan</i>
PB-45	Th05_722	Comparative study on engineering properties of fine grained soil blended with organic manure and organic soil blended with lime and sand as stabilising agent <i>Mahabir Dixit, R Chitra, Purabi sen, Mukesh Sarin</i>
PB-46	Th06_233	Impact of Measurement Methodologies Used for Establishing Water Retention Characteristic Curve on Shear Strength of Fly Ash <i>Atma Prakash, Biswajit Panda, Budhadiya Hazra, Sreedeeep S</i>
PB-47	Th06_593	Hysteresis in soil water characteristic curve of a highly plastic clay <i>Yagom Gapak, Tadikonda Venkata Bharat</i>
PB-48	Th06_618	Unsaturated Shear Strength of CH Combination Soil Using Matric Suction and Conventional Shear Strength Testing <i>Saloni Pandya, Akash Sakkari, Ajanta Sachan</i>
PB-49	Th07_587	Response of Earth Dams to Toe Drain Clogging <i>Priyanka Talukdar, Arindam Dey</i>
PB-50	Th08_097	Effect of geological strength index on factor of safety of jointed rock slope <i>Abhishek Dixit, Arnab Kumar Pal, Amalesh Jana, Sreedeeep S</i>
PB-51	Th08_144	Stability analysis of rock slope using combined continuum interface element method <i>Amalesh Jana, Arindam Dey, Sreedeeep S</i>
PB-52	Th08_163	A methodology to model effective two dimensional plane strain analysis of jointed rock slope <i>Anangsha Alammyan, Seema Pegu , Amalesh Jana, Sreedeeep S</i>
PB-53	Th08_220	Stability assessment of a heavily jointed rock slope using limit equilibrium and finite element methods <i>Aswathi C K, Amalesh Jana, Arindam Dey, Sreedeeep S</i>
PB-54	Th08_301	Effects of Various Support Systems on Seismic Response of Tunnels in Blocky Rock Mass <i>Nishant Roy, Rajib Sarkar, Shiv Dayal Bharti</i>
PB-55	Th08_520	Stability assessment and designing of jointed rock slope using finite element method <i>Kallam Naveen Reddy, Manash Jyoti Bora, Amalesh Jana, Sreedeeep S, A Murali Krishna</i>
PB-56	Th08_556	A comparative study of the laboratory parameters of dolomitic limestone <i>Arup Bandyopadhyay, Sachin Gupta, S L Gupta</i>
PB-57	Th08_749	Analysis and Design of Canal Tunnel <i>Parameshwar Kumar Verma, A K Singh</i>
PB-58	Th14_084	Swelling, Shrinkage and Compaction Characteristics of Expansive Soil Treated with Waste Recycled Product <i>Anil Kumar Choudhary, Tanmaya Kumar Sahoo, J N Jha, S K Shukla</i>
PB-59	Th14_544	Finite Element Analysis of Embankment using Tire Crumb Rubber <i>Sunil Kumar Ahirwar, J N Mandal</i>

TECHNICAL SESSION - 6 (TS 6)	
Sub-Theme:	Th01 (2/2) Geotechnical and Geophysical Investigation
Date: 15-12-2017	Time: 11.30 AM - 1.00 PM Venue: Conference Hall - I
Theme lecture 6	Quantification of soil state variables using electromagnetic methods <i>Prof. Alexander Scheuermann, University of Queensland, Australia</i>
Th01_179	Geotechnical Investigation across a Failed Hill Slope in Uttarakhand - A Case Study <i>Ravi Sundaram, Sorabh Gupta, Swapneel Kalra, Lalit Kumar</i>
Th01_498	Effect of Test Setup Parameters on Surface Wave Dispersion <i>Narayan Roy, Ravi S Jakka, H R Wason</i>
Th01_574	Impact of offset on the resolution of dispersion image in active masw survey <i>Jumrik Taipodia, Arindam Dey</i>
Th01_616	Effect of Anisotropy on Stress-Strain & Pore Pressure Response of Micaceous Sand under Undrained Compression Loading Conditions <i>P Seethalakshmi, Ajanta Sachan</i>
Th01_763	Influence of grain size and its distribution on the deformation modulus and stress-strain characteristics of sands <i>K Sabarishri, K Premalatha, R Arivazhagan</i>
Th01_730	A New Electric Miniature Cone to Prepare Laboratory Control Samples <i>Ashish Juneja, Anurag S Chafale, Rajendra Singh Bisht</i>
Th01_760	Quality Inspection of Road Surface using Ground Penetrating Radar <i>Silky Agrawal, Amit Prashant</i>

TECHNICAL SESSION - 7 (TS 7)	
Sub-Theme:	Th10 Uncertainties, Risk and Reliability in Geotechnical Engineering
Date: 15-12-2017	Time: 11.30 AM - 1.00 PM Venue: Conference Hall - II
Theme lecture 7	Meethothamulla landfill failure analysis: A probabilistic approach <i>Dr. Munwar Basha, IIT Hyderabad</i>
Th10_086	Reliability Analysis for Settlement Calculation of Surface Strip Footing under Different Soil Conditions using Fuzzy Sets Theory <i>Rajarshi Pramanik, D K Baidya, Nirjhar Dhang</i>
Th10_420	Effect of Uncertainty in Soil Type on Seismic Site Reponse <i>Aniket Sanjay Desai, Ravi S. Jakka</i>
Th10_532	Effect of Probability Density Functions on Reliability analysis of Flexible Pavements <i>Pranav R T Peddinti, Sireesh Saride, B Munwar Basha</i>
Th10_118	Multivariate Adaptive Regression Splines for System Reliability Analysis of Slopes <i>Subhadeep Metya, Gautam Bhattacharya, Tanmoy Mukhopadhyay, Sondipon Adhikari</i>
Th10_558	Influence of Geotechnical Uncertainties and Design Traffic load on Total Thickness of flexible pavement <i>Amit Srivastava, Vaishali Sahu</i>
Th09_330	Shear Strength Behaviour and Regression Analysis of Cement Stabilized River Bed Material for Use in Subgrade <i>Champakali Das, Ambarish Ghosh</i>

TECHNICAL SESSION - 8 (TS 8)	
Sub-Theme:	Th02 Foundations on Difficult Soils
Date: 15-12-2017	Time: 11.30 AM - 1.00 PM Venue: Conference Hall - III
Theme lecture 8	Modelling soil-foundation interaction and beyond <i>Dr. Subhadeep Banerjee, IIT Madras</i>
Th02_290	Effect of Fin Length and Fin Width on the Behaviour of Piles under Combined Loading Conditions <i>Rekha Ambi, Jayasree P K, Unnikrishnan N</i>
Th02_378	Evaluation of Bearing Capacity for Skirted foundation on Sand <i>Kangkan Sarma, Nayanmoni Chetia</i>
Th02_407	Pullout Behavior of Model Helical Anchor in Cohesionless Deposit <i>Neha Nasreen, A K Khan</i>
Th02_492	Effect of Controlled Stiffness Inserts on the Behavior of Piled Raft Foundation <i>Aswathy Ramesh, Bindu J</i>
Th02_503	An Experimental and Numerical Investigation of Uplift Capacity of Single Piles and Group Piles in Cohesionless Soil <i>Md Firoz Ali, Supia Khatun, Abraham Lincoln</i>
Th02_516	Parametric Study on Behavior of Foundation Resting on Reinforced Pond Ash Deposit <i>M V Ravi Kishore Reddy, Supriya Mohanty, Pradeep Kumar Ramancharla</i>

TECHNICAL SESSION - 9 (TS 9)	
Sub-Theme:	Th12 (2/3) Soil Dynamics and Earthquake Geotechnical Engineering
Date: 15-12-2017	Time: 11.30 AM - 1.00 PM Venue: Conference Hall - IV
Theme lecture 9	Uncertainties in Site Characterization Using Surface Wave Techniques and their Effects on Seismic Ground Response <i>Dr. Ravi S Jakka, IIT Roorkee</i>
Th12_170	Assessment of Ground Vibration due to Installation of Pile Casing-A Case Study <i>Rituparna Dey, Vinoth B, Ambarish Ghosh</i>
Th12_388	Seismic Hazard Assessment of Vishakhapatnam-Probabilistic approach <i>Swathi Priyadarshini Putti, Neelima Satyam D, Nesanuru Prathima</i>
Th12_478	Application of GIS in Liquefaction Susceptibility Mapping of Fine Grain Soil for Agartala City <i>Shuvankar Das, Sima Ghosh, N Bhaskara Rao</i>
Th12_502	Quantification of Seismic Hazard for Mangalore Region <i>Shreyasvi C, Katta Venkataramana</i>
Th12_576	Site response study of a deep basin contiguous to active region- an application to Punjab-Haryana region <i>P Anbazhagan, Ketan Bajaj</i>
Th12_577	Numerical Study of Pile group with Different Spacing in Layered soil under dynamic conditions <i>Ganesh Kumar, Manojit Samanta, Pankaj</i>
Th12_598	Influence of Soil-Piled Raft-Structure Interaction on Seismic Behaviour of Asymmetric Structure <i>Tanumoy Bhattacharjee, Rajib Saha</i>

TECHNICAL SESSION - 10 (TS 10)	
Sub-Theme:	Th09 (2/4) Ground Improvement Techniques
Date: 15-12-2017	Time: 11.30 AM - 1.00 PM Venue: Mini Auditorium
Theme lecture 10	Case Studies on Applications of Grouting Methods <i>Mr. Madan Kumar Annam, Keller Ground Engineering India Pvt. Ltd.</i>
Th09_181	Laboratory Shear Strength Studies of Sand admixed with Building Derived Materials <i>M Jayatheja, A K Suluguru, A Guharay, A Kar, A Anand, N James</i>
Th09_182	Determination of Compacted Granular Layer Thickness on Soft Clay using Odemark Method for Design of Shallow Foundation <i>P P Biswas, M K Sahis, A Sengupta</i>
Th09_252	Bearing Capacity Improvement of Incompetent Foundation Soil for a Reinforced Earth Wall <i>Vikas Pratap Singh</i>
Th09_253	Stabilization of Sedimented Flyash Deposits Using Chemical Columns <i>Aparupa Pani, Suresh Prasad Singh</i>
Th09_110	Jute Geotextiles for Mitigating Soil Related Problems Naturally <i>P K Choudhury</i>
Th09_302	A Numerical Investigation on Bearing Capacity of Isolated Footing on Fiber Reinforced Sands <i>J S Rajeswari, Rajib Sarkar, Nishant Roy, S D Bharti</i>
Th09_340	Use of Green Binders in Improving Problematic Expansive Soils <i>K Ramu, R A Dayakar Babu</i>
Th09_310	Performance study of Geopolymerized Black Cotton Soil Admixed with Cement Kiln Dust <i>Prathap Kumar M T, Sapna Devendra</i>

TECHNICAL SESSION - 11 (TS 11)	
Sub-Theme:	Th07 Geohydrology, Dam and Embankment Engineering
Date: 15-12-2017	Time: 4.10 PM - 5.40 PM Venue: Conference Hall - I
Theme lecture 11	Climate change and integrity of earthen dams <i>Dr. Syed Mohd. Ahmad, The University of Manchester, United Kingdom</i>
Th07_067	Optimisation of Base Width of a Typical Concrete Gravity Dam Under Different Seismic Conditions Using Static Seismic Loading <i>Sukanya Talukdar, Prasanna Kumar Khaund</i>
Th07_277	Modelling of Infiltration for Different Types of Soil Conditions - Guwahati <i>Gayatri Das, Mimi Das Saikia, U C Kalita</i>
Th07_280	Modelling Of Embankment Breaching With Special Reference to Barak Valley, Assam <i>Korabi Das, Mimi Das Saikia, U C Kalita</i>
Th07_284	A study on hydroelectric and irrigation potential of Dikhow river <i>Punit Al Barik, Mrinal Kanti Dutta</i>
Th07_621	Study of Soil Water Characteristics or Unsaturated Curves of Different Soil Strata, using FEMWATER <i>Karishma Chetia, Triptimoni Borah</i>
Th07_717	Foundation Investigation of Cross Drainage works of Wainganga-Nalganga Link Canal project, Maharashtra - A Case Study <i>Mahabir Dixit, Mukesh Sarin, C B Sarma</i>

TECHNICAL SESSION - 12 (TS 12)	
Sub-Theme:	Th08 Rock Mechanics, Tunnelling and Underground Structures
Date: 15-12-2017	Time: 4.10 PM - 6.00 PM Venue: Conference Hall - II
Theme lecture 12	Crack Initiation, Propagation and Failure Modes in Rocks <i>Dr. V B Maji, IIT Madras</i>
Th08_052	Deformability Characteristics of Augen Gneisses <i>Bharti Chawre, Hari Dev, S L Gupta</i>
Th08_083	Interpretation of representative state of in-situ topographic stresses in rock-mass <i>Shashank Pathak, G V Ramana, Hari Dev, S L Gupta</i>
Th08_271	Analysis of Offshore Rock Socketed Monopile Foundations <i>Nivya Basheer, Tanushree Chakraborty, Khalid Abdel-Rahman, Johannes Albiker, Martin Achmus</i>
Th08_589	A numerical study on permeability evolution in porous sandstones during cataclastic flow <i>Vaisakh T K, Arghya Das</i>
Th08_746	Challenges & learnings in execution of plug construction of dt-i in tandem with final reservoir impounding in Koldam HEP <i>Prashant Narayan Gaur, V K Mauriya</i>
Th08_288	Role of Empirical rock mass classification in evaluating stress induced condition in the Himalaya <i>M Ghosh Roy, Imran Sayeed</i>
Th08_545	Challenges in tunnelling through a low cover zone for a railway project - A case study <i>D V Subhramanyam, Sachin K Tripathi, Ram kumar</i>
Th08_561	Stability of rock slopes in soft and stratified rock mass <i>Mithresh K Pushpan, A Murali Krishna</i>

TECHNICAL SESSION - 13 (TS 13)	
Sub-Theme:	Th05/06 (1/2) Geoenvironmental Engineering / Behavior of Unsaturated Soils
Date: 15-12-2017	Time: 4.10 PM - 5.40 PM Venue: Conference Hall - III
Theme lecture 13	Physico-Chemical Effects on Behaviour of Unsaturated Soils <i>Dr. T Thyagaraj, IIT Madras</i>
Th06_312	Reliability Analysis of Rainfall Induced Slope Failure near Seattle Area, Washington <i>A S S Raghuram, B Munwar Basha</i>
Th06_396	Ageing effect on microstructure of compacted bentonite under various applied suction <i>R Bag, K Rao Jadda, R Reddy Katipelly</i>
Th05_241	Geotechnical and Geoenvironmental Characterization of TTPS Pond Ash and Its Utilization <i>Rabi Narayan Behera, Abhishek Kumar, Chitta Ranjan Patra</i>
Th05_001	A Hazard Ranking System for Landfill Rehabilitation in India <i>Naveen B P, Apoorva Goel</i>
Th05_228	Chelating Agent- Aided Electrokinetic Extraction of Lead from High Compressible Clayey Soil <i>Dewashish Mishra, R P Tiwari, Vijay Kumar</i>
Th05_254	Stabilization of Thick Flyash Slurry Using Alkali Activation <i>Suresh Prasad Singh, Adiandra Mohanbabu, Himanshu Namdeo</i>

TECHNICAL SESSION - 14 (TS 14)	
Sub-Theme:	Th16 (1/2) Computational Geomechanics and Geotechnical Modelling
Date: 15-12-2017	Time: 4.10 PM - 5.40 PM Venue: Conference Hall - IV
Theme lecture 14	Assessment of Global Stability of Chenab bridge on Katra-Dharam section of USBRL, J&K India using 3DEC <i>Dr. Jay Aglawe, Itasca India Consulting Private Limited, Nagpur, INDIA</i>
Th16_102	Impact of Frequency Content in Input Motion on Seismic Response of Layered Soil <i>Angshuman Das, Pradipta Chakraborty</i>
Th16_767	Multi-Objective Optimization Framework and its Experimental Validation for Bulldozer in Soil Cutting <i>Nada Barakat, Deepak Sharma</i>
Th16_485	Effects of Rock Joint Orientation on the Dynamic Behavior of Dam Foundation <i>Saurabh Kumar, Prasun Halder, Bappaditya Manna, K G Sharma</i>
Th16_335	Compressibility and triaxial strength behavior of fine sands: Numerical study <i>Aswathi T S, Rangaswamy K</i>
Th16_723	Interaction of Piled Raft Foundation under Combined Vertical, Lateral and Moment Loads <i>Diptesh Chanda, Chaidul Haque Chaudhuri, Rajib Saha, Sumanta Halder</i>
Th16_624	An Empirical model for coefficient of earth pressure at rest using multi-gene genetic programming <i>Pradyut Kumar Muduli, Santosh Kumar Nayak, Sarat Kumar Das</i>
Th16_761	Dynamic Analysis of Axially Loaded Pile Embedded in Homogeneous Viscoelastic Soil and Resting on a Rigid Base <i>Bipin K Gupta, Dipanjan Basu</i>

TECHNICAL SESSION - 15 (TS 15)	
Sub-Theme:	Th09 (3/4) Ground Improvement Techniques
Date: 15-12-2017	Time: 4.10 PM - 5.50 PM Venue: Mini Auditorium
Th09_358	Behaviour of Skirted Foundations in Granular Fills Overlying Clayey Subgrade <i>Neelima P, Bindu J</i>
Th09_419	Stabilisation of Kaolinite Clay by using Terrazyme <i>Elsa Jacob Joseph, Sayida M K</i>
Th09_436	Load Tests on Strip Footing Resting on Prestressed Geotextile-Reinforced Ferrochrome Slag <i>Anil K Choudhary, Ujjawal Prakash, Sanjay Kumar Shukla</i>
Th09_525	Parametric Study on Seismic Behavior of Black Cotton Soil Reinforced With Granular Column <i>Chamala Surendra Reddy, Supriya Mohanty</i>
Th09_578	FEM analysis on improved performance of soft clay foundations using reinforced Granular pile with sand pad <i>Partha Basu, N K Samadhiya</i>
Th09_579	Role of Gliment as an additive on the CBR Behavior of Kerewa Soils <i>M Y Shah, B A Mir, Abid Ahmad Sofi</i>
Th09_572	Effects of Delay Time on Plasticity and Compaction Characteristics of Lime Modified Expansive Soil <i>Soumya Prakash Sahoo, Suresh Prasad Singh, Ritesh Das</i>
Th09_360	Empirical relationships to assess MDD, OMC, UCS and compression index of soil-fly ash mixes <i>Subhra Das, Sujit Kr. Pal</i>
Th09_584	Biostabilization of Geomaterial <i>Marlina Gowalla, G Kalyan Kumar, Amitava Bandhu</i>
Th09_615	Quantification of Sulphate Induced Heave in Lime Stabilized Soil <i>Arvind Kumar Jha, P V Sivapullaiah</i>

Poster Session - 2

Date: 15-12-2017

Venue: Conference Centre foyer

PB-1	Th09_003	Effect of Curing on the Strength Development of Geopolymerized Kaolinite Clay <i>Padmakumar C, Parvathi K, Jayasree P K, Leema Peter</i>
PB-2	Th09_023	Experimental Investigation of Lateritic Soil treated with Calcium Lignosulfonate <i>A U Ravishankar, Panditharadhya B J, K Jaya Chandra Reddy, Amulya S</i>
PB-3	Th09_036	Behaviour of Cellular Reinforced Clean Sand Using Triaxial Tests <i>Rupa Sunil Dalvi, Niraj J Sahare</i>
PB-4	Th09_039	Effect of Compacted Moisture Content Variation on Compressive Strength of Fiber-Reinforced Cohesive Soil <i>Suchit Kumar Patel, Baleshwar Singh</i>
PB-5	Th09_064	Load carrying capacity response of reinforced sand with H-V Inserts <i>Prince Karandeep Singh Sandhu, Prashant Garg, Kulwinder Singh, Jagadanand Jha</i>
PB-6	Th09_072	Comparison of Ground Improvement Using Coconut-Leaf Ash and Lime with Fly Ash and Lime <i>Leonardo Souza, Pooja Arolkar, Purnanand Savoikar</i>
PB-7	Th09_094	A study on the performance of circular skirted foundation on medium dense sand <i>Rishma Hussain, Nayanmoni Chetia</i>
PB-8	Th09_099	Influence of Waste Marble Dust on the Behaviour of Expansive Soil <i>Nitish Jauhari, Ajit Kumar</i>
PB-9	Th09_103	Nanomodification of natural weed to improve its efficacy as soil reinforcing material <i>Gunendra Sharma, Chayanika Devi, Sanandam Bordoloi, Ankit Garg, Sreedeeep S</i>
PB-10	Th09_123	Improvement of Brahmaputra Silt For Embankment Construction <i>Kashmiri Deka, Arup Bhattacharjee</i>
PB-11	Th09_132	Statistical Approach for Three Dimensional Consolidation Using Saw Dust Drain <i>Ruchi Pankaj Shrivastava, D T Shete, A V Shroff</i>
PB-12	Th09_204	Improvement of Shear Parameter of Cohesive Soil using brick dust as Admixture <i>Silpi Sikha Baruah, P K Khaund</i>
PB-13	Th09_214	Study on Stress- Strain Behavior of Marine Clay Replaced With Sodium Lignosulfonate and Cement <i>Anita Susan Mathew, Amal P Sasi, Aswathi S Nair, Abhishek Nair V, Sowmya V Krishnankutty</i>
PB-14	Th09_225	Field Studies Of Model Flexible Pavements Laid On Lime And Metakaolin Treated Expansive Soil Subgrades <i>Dumpa Venkateswarlu, M Anjan Kumar, G V R Prasada Raju, D S V Prasad</i>
PB-15	Th09_227	Swell Characteristics of Expansive Soil Reinforced with Polyester Fibres <i>Subhasish Pasupalak, Abdhesh Kumar Sinha</i>
PB-16	Th09_234	Design of rigid pavement on expansive soil after stabilizing with lime <i>Sharma Hari Ballabh Dutt, R P Tiwari, Vijay Kumar</i>
PB-17	Th09_281	Mechanical Behavior of Lime Stabilized Dredged Soil <i>Obaid Qadir, Bashir Ahmed Mir</i>
PB-18	Th09_283	A Comparative Study of Geotechnical Behaviour of Pond Ash Using Lime and Cement <i>Amit Gaurav, Rakesh Pratap Singh</i>
PB-19	Th09_344	Effect of Fibre Reinforced Lime-Stabilized Fly Ash on the Unconfined Compressive Strength of Clayey Soil <i>Sridevi G, Shivaraj S Antaratana, Sudarshan G Gouda</i>
PB-20	Th09_356	Influence of fiber on strength characteristics of clayey soil <i>Subhradeep Dhar, Arindam Sarkar, Monowar Hussain</i>
PB-21	Th09_383	Biocementation in Marine Clays: Effect on Grain Size Distribution <i>Bindu J, Kannan K, Sajna S</i>

PB-22	Th09_385	Synthesis and Characterization of Geopolymer Grout Material <i>Subhashree Samantasingar, Suresh Prasad Singh, Prasad Subash Palsule</i>
PB-23	Th09_386	Enhancement of Index and Engineering Properties of Expansive Soil using Chopped Basalt Fibers <i>Akshata Aravalli, A M Hulagabali, C H Solanki, G R Dodagoudar</i>
PB-24	Th09_400	Alkali Activated Binder treated Jute Reinforced Soil: A Preliminary Study <i>Shashank Gupta, Anasua GuhaRay, Arkamitra Kar, V P Komaravolu</i>
PB-25	Th09_435	Effect of Slenderness Ratio on the Behavior of Encased Stone Column <i>Preetynanda Nanda, Indraneel Sengupta, Suresh Prasad Singh</i>
PB-26	Th09_459	Effect of Lime-Mud on Consolidation Characteristics of Soil <i>Sujay Choudhury, Pranjal Baishya, Sasanka Borah</i>
PB-27	Th09_464	Improving Load Carrying Capacity of Copper Tailing by Waste Tire Chip Reinforcement <i>Gourav Gill, Ravi Kant Mittal</i>
PB-28	Th09_594	Numerical Analysis of EAFS column Using PLAXIS 2D <i>Riya Robert, Annie Joy</i>
PB-29	Th09_607	Characteristics of Fly Ash Mixed with Locally Available Soil of Kokrajhar <i>Samaina Brahma, Souravjyoti Deka, Umaliu Rongmei, Nabajyoti Bayan, Shafi Kamal Rahman</i>
PB-30	Th09_627	An Experimental Study of Granular Anchor Piles <i>Mohit Kumar, Ashish Gupta, Vishwas A Sawant</i>
PB-31	Th09_663	Strength and Durability of geopolymer stabilized soil <i>Sreelakshmi S, E Krishnaiah, Kalyan Kumar G</i>
PB-32	Th09_666	Effect of Polypropylene Fiber Reinforcement on Cement Stabilization of Local Red Soil in Silchar Area <i>Raja Sarkar, Debjit Bhowmik</i>
PB-33	Th09_700	Strength and Compaction characteristics of Biologically Stabilized Soil <i>Divya Vishwanath, Asha M Nair, Sreelakshmi G</i>
PB-34	Th09_761	Influence of Quarry Dust and Tile Waste on Geotechnical Properties of Expansive Soil <i>D S V Prasad, M Anjan Kumar, G V R Prasada Raju</i>
PB-35	Th10_734	A Statistical Approach to Bearing Capacity of Reinforced Foundations <i>Arindam Dey, Prabir K Basudhar</i>
PB-36	Th11_248	Bearing capacity improvement of sand using geocell reinforcement <i>Abhinandan Jaswal, K S Gill</i>
PB-37	Th11_249	Combined effect of geogrid and waste plastic reinforcement on bearing capacity of sand <i>Alok Sharma, K S Gill, J N Jha</i>
PB-38	Th11_293	Analysis of reinforced foundation bed <i>Kota Vijay Kiran, Madhira R. Madhav</i>
PB-39	Th11_294	Effect of Configuration of Geosynthetic on the Behaviour of Foundation Beds <i>Jayamohan J, Sruthy S, Sanchia Maria Morris, Adithya Mohan, Aswathy Nair, Arya Darsan, Vaishnavi</i>
PB-40	Th11_339	Impact of Prestressed Geosynthetic Reinforced Sand Bed on the Performance of Square Footing <i>Shravan D Konnur, P G Rakaraddi</i>
PB-41	Th11_409	Laboratory evaluation of erosion control using coir geosynthetics <i>M V S Sreedhar, Parimi Thrimuti Raju, C Prashanth Kuma</i>
PB-42	Th11_489	Wetting and drying path behaviour of Geosynthetic clay liner <i>V Khan, Rajesh Sathiyamoorthy</i>
PB-43	Th11_613	Effectiveness of geofoam inclusion in reducing vertical deformation of buried structures <i>Vinil Kumar Gade, Satyanarayana Murty Dasaka</i>
PB-44	Th12_058	Liquefaction Potential of soil by Empirical and Computational Method Based on SPT-N value-A Case Study of Lucknow City <i>Prashant Patel, Vijay Kumar</i>

PB-45	Th12_073	Seismic ground response analysis and pore pressure evaluation at selected locations of Jorhat city <i>Sarfaraz Ahmed, Arup Bhattacharjee</i>
PB-46	Th12_100	Seismic Performance of Traditional Stilted Houses of North-East India <i>Chayanika Das, Atanu Kumar Dutta</i>
PB-47	Th12_115	Advanced Non-Linear Finite-Element Model for Site Response Analysis of a Saturated Layered Soil Profile <i>Begum Emte Ajom, Arup Bhattacharjee</i>
PB-48	Th12_148	Development of seismotectonic model for central Gujarat region <i>Payal Mehta, Tejaskumar P Thaker, H B Raghvendra</i>
PB-49	Th12_164	Dynamic Behaviour of Isolated Footing on Dry Cohesionless Soil <i>Saurabh Kumar, Pradipta Chakraborty</i>
PB-50	Th12_169	Effect of Soil Heterogeneity on Dynamic Response of Saturated Cohesionless Soil <i>Somya Shrivastava, Pradipta Chakraborty</i>
PB-51	Th12_203	Frequency-Amplitude Response of 2 x 2 Group Pile: Theory versus Experiment <i>Amar Sankar Pal, Dilip Kumar Baidya</i>
PB-52	Th12_259	Evaluation of Hysteretic Damping of Sand at Large Shear Strains using Cyclic Triaxial tests <i>Shiv Shankar Kumar, A Murali Krishna, Arindam Dey</i>
PB-53	Th12_267	Liquefaction Evaluation by Standard Penetration Test method Comparative Study of 3 sites of Uttar Pradesh one each of Zone III, IV and V <i>Anurag Kapoor</i>
PB-54	Th12_270	Poisson's Ratio of soils using Resonant Column Apparatus <i>Pankaj Rana, B K Maheshwari</i>
PB-55	Th12_300	Effects of Engineering Design Parameters on Elastic Soil-Structure Interaction Response of Moment Resisting Framed Structures <i>Viswajit Anand, Satish Kumar S R</i>
PB-56	Th12_587	Non-Linear Impedances of Pile-Soil Foundation System <i>Dharmi Chand, Rajib Saha, Sumanta Haldar</i>
PB-57	Th12_708	Assessment of Liquefaction Potential Using Empirical Equations and 1D Ground Response Analysis for Agartala City <i>Khalid Bashir, Chayan Bhaumik, Rajib Saha</i>
PB-58	Th12_620	Assessment of Liquefaction Induced Lateral Spreading of a site at Tripura after 3rd January 2017 Tripura Earthquake <i>Moumita Chakraborty, Rajib Saha, Sumanta Haldar</i>

TECHNICAL SESSION - 16 (TS 16)	
Sub-Theme:	Th04 Earth Retaining Structures
Date: 16-12-2017	Time: 11.10 AM - 1.10 PM Venue: Conference Hall - I
Theme lecture 15	Effect of Long-term Performance of EPS Geofoam on Lateral Earth Pressures on Retaining Walls <i>Dr. Dasaka S Murty, IIT Bombay</i>
Th04_140	Soil Arching on Piles supporting Deep Excavations <i>George Thakaran Idiculla, S Dasaka Murty</i>
Th04_244	Optimization of Pullout Strength & Nail length Pattern using Finite Element Approach <i>Animesh Sharma, P T Raju</i>
Th04_540	Corrosion of Steel in Mechanically Stabilized Earth Retaining Walls due to Deicers <i>P K Kolay, D Tajhya, V K Puri, S Kumar</i>
Th04_581	Time Effect On Ground Deformation During Braced Excavation <i>Saptarshi Roy, R B Sahu, Kingshuk Dan, Dipanjan Basu</i>
Th04_630	Effect of Test Box Dimensions on Axial Pullout Response of Reinforcement <i>K P Bhargav Kumar, S Sasanka Mouli, B Umashankar</i>
Th04_673	Numerical Analysis of Retention System and Validation of Design by Real-Time Monitoring: A Case Study <i>Vimala Chinnasamy, Madan Kumar Annam</i>
Th04_732	Effect of Arching on Passive Earth Pressure for Rigid Retaining Walls Considering Rotation at Top <i>Puram Nagavalleswari, Nihar Ranjan Patra</i>
Th04_758	A Case Study on Soil-Nailed Retaining Wall in Hilly Area <i>A Karthikeyan, Santosh Kumar Sahu, S Amuthan</i>
Th04_632	Optimization of support system for station entrance - A case study <i>Sohail Wajid, Anburaj C, Ahmed Shaz, Yeruva Ramanareddy</i>

TECHNICAL SESSION - 17 (TS 17)	
Sub-Theme:	Th11 Geosynthetics Engineering
Date: 16-12-2017	Time: 11.10 AM - 1.10 PM Venue: Conference Hall - II
Theme lecture 16	Diverse Applications of Geocells for Highways - Two Case Studies from the North East <i>Mr. Shahrokh P Bagli, Strata Geosystems India Pvt. Ltd.</i>
Th11_095	Behavior of Geogrid-Reinforced Railroad Ballast in Direct Shear Conditions <i>Kumari Sweta, S K Hussaini</i>
Th11_431	3D Numerical Analysis of Embankments supported by Ordinary and Encased Granular Columns <i>J Jayapal, K Rajagopal</i>
Th11_465	Evaluation of Effect of Stiffness and Orientation of Reinforcement on the Shear Strength of Sand <i>Rufaidah Shah, B A Mir</i>
Th11_559	Dynamic Response of the Machine Foundation Resting on Geocell Reinforced Soil Beds <i>H Venkateswarlu, Amarnath Hegde</i>
Th11_670	Anti-Erosion Works along the Left Bank of Jiabharali River, Assam <i>Manish Gupta, Suresh Maurya, R Chitra</i>
Th11_250	Estimation of Deformation Moduli of Reinforced Foundation Beds from Load Tests <i>M Hari Bharghav, M R Madhav, V Padmavathi</i>
Th11_392	Experimental and numerical studies of eccentrically loaded strip footing by using PLAXIS <i>Roma Sahu, C R Patra, B P Sethy</i>

Th11_361	Experimental Investigation on the Behaviour of Geogrid-Reinforced Soil Slope under Strip Loading <i>Tapan Kumar Nayak, Koushik Halder, Debarghya Chakraborty</i>
Th11_757	Properties of Rock Flour of Different Parent Rocks and Suitability as Fill Material in Reinforced Soil Structures <i>C N V Satyanarayana Reddy, S Srikanth Reddy, S G Narayana Reddy</i>

TECHNICAL SESSION - 18 (TS 18)	
Sub-Theme:	Th05/06 (2/2) Geoenvironmental Engineering / Behavior of Unsaturated Soils
Date: 16-12-2017	Time: 11.10 AM - 1.10 PM Venue: Conference Hall - III
Theme lecture 17	Comprehensive Characteristics of Fresh and Processed MSW Generated in Kanpur <i>Dr. Rajesh Sathiyamoorthy, IIT Kanpur</i>
Th05_716	Feasibility of Using MSW Incinerator Ash in Geotechnical Applications <i>Garima Gupta, Manoj Datta, G V Ramana, B J Alappat</i>
Th05_701	Physico-chemical behavior of red earth contaminated with caustic alkalis <i>P Lakshmi Sruthi, P Hari Prasad Reddy</i>
Th05_477	Critical Aspects Relating to Re-Use of Aged Municipal Solid Waste for Geotechnical Purposes <i>Mohit Somani, Manoj Datta, T R Sreekrishnan, G V Ramana</i>
Th05_456	Influence of Salts on the Coefficient of Consolidation of Compacted Bentonites <i>Jagori Dutta, Anil Kumar Mishra, Purabi Das</i>
Th05_433	Effects of Molding Moisture Content on Strength and Hydraulic Properties of Pond ash-Bentonite Mixes <i>Suryaleen Rout, Suresh Prasad Singh</i>
Th05_282	Consolidation induced solute transport by finite volume method <i>Rakesh Pratap Singh</i>
Th05_533	Experimental Investigation on Viability of Metakaolin based Lead Contaminated Soil <i>Ashwini Shetty, S K Palled, A M Hulabagali, V A Reddy</i>
Th05_546	Determination of Dispersion Characteristics of Red Mud Waste <i>N Gangadhara Reddy, B Hanumantha Rao</i>
Th05_455	Stabilization of Dredged Chilika Sand with Biopolymer <i>Harishankar Jeevan Dash, Sarat Kumar Das</i>
Th05_454	Improvement of Strength of Laterite Soil Treated With Ground Granulated Blast Furnace Slag <i>Arijit Mondal, Ashok Kumar Khan</i>

TECHNICAL SESSION - 19 (TS 19)	
Sub-Theme:	Th16 (2/2) Computational Geomechanics and Geotechnical Modelling
Date: 16-12-2017	Time: 11.10 AM - 1.10 PM Venue: Conference Hall - IV
Th16_643	Influence of lateral boundary condition on instability emergence in loose sand during flexible boundary biaxial test <i>Mousumi Mukherjee, Anurag Gupta, Amit Prashant</i>
Th16_557	Ultimate Load Carrying Capacity of Single Pile Resting on Deep Buried Conduit <i>Monica Malhotra, Amit Srivastava, Vaishali Sahu</i>
Th16_432	Use of Coupled Eulerian-Lagrangian Method in Modeling of Free Fall Penetration in Clay <i>Abhishek Ghosh Dastider, Divya S K Mana, Santiram Chatterjee, Prasenjit Basu</i>
Th16_231	Pullout Behaviour of Strip Anchor in Soil Using FLAC2D <i>Awdhesh Kumar Chudhary, Bhardwaj Pandit, G L Sivakumar Babu</i>

Th16_238	A Case Study on Numerical Modelling and Performance of Kentledge Test Pile Base Slab on Soft Soil <i>Vivek Venkiteswaran, Ng Tiong Guan</i>
Th16_273	Finite Element Analysis of Encased Stone Columns for Soft Ground Improvement <i>Vaibhav Kumar Singh, Shashank Gaurav, Jignesh Patel, Moumita Chakraborty</i>
Th16_026	Analysis of Non-Prismatic Combined Footings on Geosynthetic Reinforced Earth Beds <i>Priti Maheshwari, Bhavya Kumar, Pavani Murakonda</i>
Th16_751	Response of single pile under dynamic loading <i>R Deendayal, D Nigitha</i>
Th16_665	Pull out capacity of inclined strip anchors in reinforced soil <i>Smita Tung, Sibapriya Mukherjee, Subhadeep Banerjee</i>
Th16_528	Uplift Capacity of an Underreamed Pile Foundation - Finite Element Simulation <i>Dhiraj Raj, Bharathi M, Sanjay K Shukla</i>

TECHNICAL SESSION - 20 (TS 20)	
Sub-Theme:	Th13 Transportation Geotechnics
Date: 16-12-2017	Time: 11.10 AM - 1.10 PM Venue: Mini Auditorium
Theme lecture 18	Impact of Flooding on Roadways <i>Prof. Rajib Basu Mallick, Worcester Polytechnic Institute, USA</i>
Th13_307	Variation in Properties of Flexible Pavement Layers and their Effect on Mechanistic-Empirical Based Design Approach <i>Saurav Pal, Pritam Aitch</i>
Th13_354	Performance Evaluation of Lime Stabilized Sub-Grade Soil Using Light Weight Deflectometer <i>Sumit Bisht, Subhradeep Dhar, Monowar Hussain</i>
Th13_463	A 3D Finite Element Model for Simulating Response of Sand-JGT-Sand Reinforced Rural Road <i>Souvik Patra, Ashis Kumar Bera</i>
Th13_531	Strength assessment of high percentage RAP stabilized with low calcium Indian fly ashes as a pavement base material <i>Maheshbabu Jallu, Sireesh Saride</i>
Th13_764	Use of Artificial Neural Network to monitor pavement structural strength during adverse weather conditions <i>Nivedya M K, Rajib B Mallick, Cesar Tirado, Cetare Ghahri Saremi, Soheil Nazarian</i>
Th13_593	Evaluation of Interface Shear Properties of Asphalt layers Reinforced with Geosynthetic Interlayers <i>Vinay Kumar V, Sireesh Saride</i>
Th13_048	Estimation of settlement of surrounding soil of tunnel due to train movement <i>Dharmendra Singh, Anupam Rawat, Vijay Kumar</i>
Th13_077	Factors Influencing Structural Evaluation of Base and Subbase of Flexible Pavement by Falling Weight Deflectometer - A Review <i>R R Pai, S Patel, J T Shahu</i>
Th13_565	Correlations to Predict Resilient Modulus for Stabilized Reclaimed Asphalt Pavement Materials <i>Deepti Avirneni, Pranav R T Peddinti, Sireesh Saride</i>
Th13_623	Behaviour of clayey soil mixed with randomly distributed waste plastic milk packet <i>Arindam Saha, Bikash Chandra Chattopadhyay, Joyanta Maity</i>

TECHNICAL SESSION - 21 (TS 21)	
Sub-Theme:	Th14 Sustainable Geotechnics
Date: 16-12-2017	Time: 2.10 PM - 3.40 PM Venue: Conference Hall - I
Theme lecture 19	A Quantitative Framework for Sustainability and Resilience in Geotechnical Engineering <i>Dr. Dipanjan Basu, University of Waterloo, Canada</i>
Th14_061	Geotechnical aspects of the protection of sustainable development <i>Gayatri S Vyas, Rupa S Dalvi</i>
Th14_051	Treatment of Dispersive Soil by Using Flyash (FA) and Granulated Blast Furnace Slag(GBFS) <i>Samaptika Mohanty, Nagendra Ray, Suresh Prasad Singh</i>
Th14_712	Contribution of microbe-induced intergranular cementation in age related strength gain <i>Saswati Ghatak, Debasis Roy</i>
Th14_736	Biocemented Granular Sands <i>A Juneja, T Aishwarya, A A Kumar, C F Christy</i>
Th14_481	Behaviour of Glass Fibre Reinforced Blast Furnace Slag-Based Material under compressive loading <i>Daipayan Mandal, B Ram Rathan Lal, K Shankar</i>
Th14_543	Behavior of Reclaimed Asphalt Pavement (RAP) using Bamboo Geogrid <i>Dula Chandra Saha, J N Mandal</i>

TECHNICAL SESSION - 22 (TS 22)	
Sub-Theme:	Th17/18 Forensic Geotechnical Engineering and Case Studies / Allied Areas of Geotechnical Engineering
Date: 16-12-2017	Time: 2.10 PM - 3.40 PM Venue: Conference Hall - II
Theme lecture 20	Forensic Study on the Causes of Failure of Stone Columns under Water Storage Tanks and Possible Remedial Measures <i>Dr. Kaushik Bandopadhyay, Jadavpur University, Kolkata</i>
Th17_071	Forensic Case Study Of Retaining Wall Failure In Goa <i>Leonardo Souza, Avirak Naik, Purnanand Savoikar</i>
Th17_499	Probabilistic Back Analysis of Koshe Landfill Slope Failure <i>K V N S Raviteja, B Munwar Basha</i>
Th17_567	Forensic Investigation of Failure of approach road in high embankment fills near to bridge abutment <i>Dharmendra Kumar Srivastava, Amit Srivastava</i>
Th18_692	Reconstitution of Sand Specimens using Stationary Pluviation Method <i>C Hariprasad, B Umashankar, M Rajashekhar</i>
Th18_345	Performance of RC Structure with and without Isolator in Soft Soils <i>Hanamanagouda Bevoor, Divya Vani B, Pallavi Badry</i>
Th17_727	Geosynthetic Reinforced Earth Dams - A Study of Case Histories <i>Indulatha Kolli, B Umashankar</i>

TECHNICAL SESSION - 23 (TS 23)	
Sub-Theme:	Th03 (2/2) Slope Stability, Landslides and Natural Disaster Mitigation
Date: 16-12-2017	Time: 2.10 PM - 3.50 PM Venue: Conference Hall - III
Th03_474	Study of Mechanical Characteristics of Plants Root for Slope Stability <i>Tarun Semwal, Naresh M, Uday K Venkata, Manushree, Shyam K Masakapalli</i>
Th03_451	Rainfall Thresholds for Landslide Occurrence in Kalimpong using Bayesian Approach <i>Abhirup Dikshit, Neelima Satyam</i>
Th03_711	An innovative pullout system for soil nails and anchors <i>Mahesh Sharma, Manojit Samanta, Shantanu Sarkar</i>
Th03_675	Stability of Natural Slopes Considering Initial Stresses <i>Sukanta Dey, Gautam Bhattacharya, Robin Chowdhury</i>
Th03_404	Strength Characteristics of Fly Ash Stabilized Soil Embankment and Stability Analysis Using Numerical Modelling <i>Tarun Kumar Rajak, Laxmikant Yadu, Sandeep Kumar Chouksey, Sujit Kr Pal</i>
Th03_395	Probabilistic Stability Analysis Considering Multiple Triggering Factors <i>Pinom Ering, G L Sivakumar Babu</i>
Th03_756	Numerical Analysis of Rain-Induce Slope Stability <i>Adarsh Chatra, G R Dodagoudar, V B Maji, Ramanandan S, Sundar Vel V</i>
Th03_257	Slope stabilization at world highest railway arch bridge Udampur Barramula railway line project at Jammu and Kashmir <i>Hem Chandra Upreti, Srinivas Mantrala, Arvind Anand Pandey</i>
Th03_402	Stability Assessment of a Critical Slope Near Nathpa Region, Himachal Pradesh, India <i>Barsa Acharya, Jagadish Kundu, Kripamoy Sarkar, Sowmiya Chawla</i>
Th03_526	Breach Analysis of Embankments Using Fuse Plug Model <i>Deepak Kumar, Baldev Setia , V.K. Arora</i>

TECHNICAL SESSION - 24 (TS 24)	
Sub-Theme:	Th12 (3/3) Soil Dynamics and Earthquake Geotechnical Engineering
Date: 16-12-2017	Time: 2.10 PM - 3.50 PM Venue: Conference Hall - IV
Th12_200	Effect of Frequency of Loading on Pore Pressure in Solani Sand <i>Aparna Kanth, B K Maheshwari</i>
Th12_594	Liquefaction Study of River Channel Deposit in Kolkata City <i>Abhishek Mondal, Narayan Roy, Sanjay Prasad, Ramendu Bikash Sahu</i>
Th12_693	Cyclic Behavior of Mixtures of Shredded Tyre Chips and Fly Ash <i>Partha Sarathi Parhi, Thejesh Kumar Garala, B Umashankar</i>
Th12_737	Active and Passive Surface Wave Technique for Site Characterization at Archeological Site of Gol Gumbaz Vijayapura, South India <i>Shivkumar G Patil, G R Dodagoudar, Arun Menon</i>
Th12_016	Liquefaction Susceptibility Of Sagada River Sand Using Shake Table <i>Sasmita Sahoo, Anshuman Das</i>
Th12_057	Use of Rayleigh Damping in Geotechnical Finite Element Analysis: An Evaluation <i>Sukumar Baishya, Talkeshwar Ray</i>
Th12_699	Effect of Erroneous Estimation of Small Strain Shear Moduli on Seismic Response of an Earth Dam <i>Sayantana Chakraborty, Jasaswee T Das, Aritra Banerjee, Anand J Puppala</i>
Th12_617	Deterministic Seismic Hazard Analysis of Mawphu Dam <i>Pinaki Ranjan Seal, Parbin Sultana, Ashim Kanti Dey</i>

Th12_654	Finite Element Study on the Seismic Response of Geo-Isolated RC Building <i>Dhanya J S, A Boominathan, Subhadeep Banerjee</i>
Th12_020	Soil-Raft Foundation-Structure Interaction Effects on Seismic Performance of Multi-Story MRF Building with Vertical Irregularity <i>Chandiwala Anuj Kaushikkumar, S A Vasawala</i>

TECHNICAL SESSION - 25 (TS 25)		
Sub-Theme:	Th09 (4/4) Ground Improvement Techniques	
Date: 16-12-2017	Time: 2.10 PM - 3.50 PM	Venue: Mini Auditorium
Th09_656	Optimal Foundation Solution for Storage Terminal in Mangalore <i>Tanmay Gupta, Valluri Sridhar, Madan Kumar Annam</i>	
Th09_287	Effect of Alkali Activated Fly Ash on the Strength of Clayey soil <i>Rishi Pandya, A J Shah</i>	
Th09_285	Experimental Investigation on Geotechnical Properties of Nano-Chemically Treated Soil <i>Sandeep Singh, Chandra Bogireddy, C H Solanki, S A Vasawala</i>	
Th09_308	Laboratory Investigation of Lateritic Soil treated with Terrasil and Cement <i>A U Ravishankar, Panditharadhya B J, Rahul Saini, Amulya S</i>	
Th09_311	Behavior of Footings Resting On 3D Reinforced Trenches <i>Hema M, Unnikrishnan N</i>	
Th09_338	Influence of Cement and Polyester Fibers on Compaction and CBR Value of Clayey Soil <i>Avinash Bhardwaj, B S Walia, Abhishek</i>	
Th09_041	Strength Characteristics of Fly Ash Stabilized Sandy Soil Reinforced with Glass Fibers <i>Yachang Omo, Netung Tayeng, Ajanta Kalita</i>	
Th09_176	Stabilization strategies based on mineralogical constituents <i>Swaroopa Rani, V Ramana Murty</i>	
Th09_588	Effect of Lime and Calcium Chloride on Rice Husk Ash Stabilized Expansive Soil <i>Orekanti Eswara Reddy, Gurram Padmaja, Saraswathi C, Sarala C</i>	
Th09_636	A Study on Compaction and Strength Properties of Shedi soil Treated with Rice Husk Ash, Carbide Lime and Sodium Chloride <i>H N Ramesh, Manjunatha B V</i>	

Poster Session - 3

Date: 16-12-2017

Venue: Conference Centre foyer

PB-1	Th12_548	Large Strain Cyclic Properties of Dry Sand-Rubber Tyre Shreds Mixtures <i>B R Madhusudhan, A Boominathan, Subhadeep Banerjee</i>
PB-2	Th12_559	1D Nonlinear Seismic Site Response Analysis of a Typical Location at Guwahati City, India <i>Madhulatha Boga, Devdeep Basu, Arindam Dey</i>
PB-3	Th12_589	Transient Bending Response of Pile Foundations during Seismic Liquefaction <i>Pradeep Kumar Dammala, Mehdi Rouholamin, George Nikitas, Subhamoy Bhattacharya, Murali Krishna Adapa, Piyush Mohanty</i>
PB-4	Th12_328	Effect of Strain Localization on Narrow Backfilled Width Retaining Walls Subjected to Seismic Loading <i>Shaikh Moin Ahmed, B Munwar, Arif Ali Baig Moghal</i>
PB-5	Th12_304	Seismic Base Isolation using Soft Clay <i>Tarun Semwal, Ashim Kanti Dey</i>
PB-6	Th12_591	Estimation of probable financial loss occur due to future earthquakes in the Shillong Plateau <i>Olympa Baro, Abhishek Kumar</i>
PB-7	Th12_610	Site Classification of the Strong Motion Stations of Uttarakhand, India, based on Generalized Inversion and Horizontal to Vertical Spectral Ratio Methods <i>Harinarayan N H, Abhishek Kumar</i>
PB-8	Th12_325	Dynamic Behavior of Pile Supported Machine Foundation with Different Pile Configuration Parameters <i>Yati Ramnikbhai Tank, Aditya Bhatt, Hitesh K Dhameliya, Akhilesh R Tank</i>
PB-9	Th12_684	Liquefaction study of subsurface soil in part of Silapathar (Dhemaji) <i>Jasmina Saikia, Utpal kr Baruah</i>
PB-10	Th12_702	Critical Evaluation of the site classification in the latest revision of Indian Seismic Code <i>Ravi Kant Mittal, Sanket Rawat, Aniruddha Tangirala</i>
PB-11	Th12_703	Determination of Rayleigh Velocity of Soil Using Wave Equation <i>Sandeep M N, Beena K S</i>
PB-12	Th12_316	Small Strain Dynamic Behavior of Sand and Sand-Crumb Rubber Mixture in Dry Condition <i>Sukanta Das, Debjit Bhowmik</i>
PB-13	Th12_729	Nonlinear Static Behaviour of RC-Building Frame with Soil Structure Interaction Effects <i>Nishant Sharma, Kaustubh Dasgupta, Arindam Dey</i>
PB-14	Th12_730	Behaviour of Laterally Loaded Bridge Piles In Sand <i>Benazir Fatima Ahmed, Kaustubh Dasgupta, Arindam Dey</i>
PB-15	Th12_735	Effect of gradation on dynamic response of pond ash embankment <i>S. Rahitya, Nihar Ranjan Patra</i>
PB-16	Th12_755	Effect of Shape of Footing on Coefficient of Elastic Uniform Compression of Fine Sand <i>C N V Satyanarayana Reddy, G V Usha Rani, M Nagalakshmi</i>
PB-17	Th12_765	Seismic Response of Resilient Bridge Pier on Pile Foundation <i>Rajesh Ranjan Rele, Pradeep Kumar Dammala, Stergios A. Mitoulis, Subhamoy Bhattacharya</i>
PB-18	Th12_259	Evaluation of Hysteretic Damping of Sand at Large Shear Strains using Cyclic Triaxial tests <i>Shiv Shankar Kumar, A Murali Krishna, Arindam Dey</i>
PB-19	Th13_033	Mitigation of ground-borne railway vibrations using geosynthetics: State of the art <i>M Roshan Khan, Satyanarayana Murty Dasaka</i>
PB-20	Th13_236	Elastic Modulus of Soil Used in Design of Subgrade and Effect of Different Parameter on its Value <i>Setu Ghosh, Tufan Datta, Bikash Chandra Chattopadhyay</i>
PB-21	Th13_480	Sustainability Practice in Design of Highway Fill of Black Cotton Soil: A Case Study <i>V P Singh, Roop Kishor, Vishal Kumar Soni, Sumit Gupta, Sumeet Kumar Sinha, Sudhir Kumar Sah</i>

PB-22	Th13_555	Effect of Flooding on Structural Aspect of Pavement under Varying Subgrade Types <i>Ankit Gupta, Madankara Kottayi Nivedya, Rajib Mallick</i>
PB-23	Th13_709	Design of Geocell Reinforced Unpaved Pavement for Low Traffic Volume <i>Prasath S B, A Murali Krishna</i>
PB-24	Th15_091	Numerical Investigation of the Vertical Capacity of Monopod Bucket Foundation Embedded in Sandy Soil <i>Tanmoy Kumar Deb, Baleshwar Singh</i>
PB-25	Th15_198	Comparison of Two Common Methods For Analysis of Group Effect For Laterally Loaded Offshore Piles <i>Rupam Mahanta, R K Ghanekar, Balram Nayak</i>
PB-26	Th15_331	Investigation on the behaviour of suction caisson in soft clays <i>Anatt Joy, Sandeep M N</i>
PB-27	Th15_424	Load Carrying Capacity of Skirted Foundation on Sand <i>T Prasanth, P Rajendra Kumar</i>
PB-28	Th15_733	Geo Acoustic Inversion Method for Analyzing Impact Due to Sediments on Underwater Channel <i>Annalakshmi G, Sakhtivel Murugan</i>
PB-29	Th16_107	Determination of liquefaction susceptibility of soil: A deep learning approach <i>Angshuman Sahu, Pijush Samui</i>
PB-30	Th16_274	Finite Element Analysis of Granular Pile Anchor Foundation for Expansive Soils <i>Vaibhav Kumar Singh, Shashank Gaurav, Roop Narayan Meena, Moumita Chakraborty</i>
PB-31	Th16_314	Evaluation of ultimate capacity of a single barrette using finite element analysis <i>Chavda Jitesh Tribhuvandas, G.R Dodagoudar</i>
PB-32	Th16_342	Experimental Study of Vertical and Batter Pile groups under Lateral Loads in sand <i>Pankaj Bajaj, Laxmikant Yadu, S K Chouksey, Renu Premjani</i>
PB-33	Th16_393	Finite Element Analysis of Eccentrically Loaded Rectangular Foundation Using Plaxis <i>Barada Prasad Sethy, C R Patra, R Sahu</i>
PB-34	Th16_515	Ultimate capacity of vertical short pile under inclined compressive load <i>Asim Goswami, Soumya Roy</i>
PB-35	Th16_595	Bearing Capacity of Strip Footing Resting on the Crest of a Slope: FE Simulation <i>Rana Acharyya, Arindam Dey</i>
PB-36	Th16_596	Numerical studies on the load carrying capacity and stress influence zone of defective pile <i>P Manikandan, Premalatha K, Harishwaran S</i>
PB-37	Th16_652	Behavior of Single Pile under Combined Uplift and Lateral Loading <i>Poulami Ghosh, Sibapriya Mukherjee, Narayan Roy</i>
PB-38	Th16_766	Trial Pile Bores during Geotechnical Investigation - A Cost Effective Solution for Large Diameter Bored Piles Embedded in River Bed Material: Case Study <i>Mohit Jhalani, Jitendra Kumar, D N Naresh</i>
PB-39	Th18_194	Effect of degree of saturation on modulus of subgrade reaction for alluvial soil deposits using model cyclic plate load test <i>Darshan Harshadray Chhatbar, M V Shah</i>

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