Indian Geotechnical Conference 2020 (online mode)

Developments in Geotechnical Engineering for

Sustainable Tomorrow (DIGEST)

December 17-19, 2020

Organised by IGS Visakhapatnam Chapter & Department of Civil Engineering, Andhra University, Visakhapatnam Andhra Pradesh, India

Online Conference Schedule at a Glance

Time	Programme	Link
	17 December 2020, Thursday	
09:00 - 10:15	Inaugural Ceremony	Link 1
10:30 – 11:30	42 nd IGS Annual Lecture by Prof. T.G. Sitharam	<u>Link 1</u>
11:35 – 13:00	Plenary Session 1	<u>Link 1</u>
	Lunch Break (13:00 – 14:00)	
14:00 – 15:45	Plenary Session 2	<u>Link 1</u>
	Technical Sessions	
	Theme 1: Soil Behavior and Characterisation of Ground 16:00 – 16:20: Theme Lecture 16:20 – 17:40: Paper Presentations	Link 2
16:00 – 17:40	Theme 2: Shallow Foundations 16:00 – 16:20: Theme Lecture 16:20 – 17:40: Paper Presentations	Link 3
	Theme 8: Developments in Ground Improvement 16:00 – 16:20: Theme Lecture 16:20 – 17:40: Paper Presentations	Link 1
	Theme 3: Deep foundations 16:00 – 16:20: Theme Lecture 16:20 – 17:40: Paper Presentations	Link 4
	Theme 4: Environmental Geotechnology 16:00 – 16:20: Theme Lecture 16:20 – 17:40: Paper Presentations	Link 5
18:00 – 20:30	Annual General Meeting	<u>Link 1</u>
	18 December 2020, Friday	
09:00 - 10:45	Plenary Session 3	Link 1
11:00 – 11:20	Corporate Presentations	Link 1
11:30 – 13:00	Plenary Session 4	<u>Link 1</u>
	LunchBreak (13:00 – 14:00)	
	Technical Sessions	
	Theme 1: Soil Behavior and Characterisation of Ground 14:00 – 15:30: Paper Presentations	<u>Link 2</u>
14:00 – 15:30	Theme 5: Transportation Geotechnics 14:00 – 14:20: Theme Lecture 14:20 – 15:30: Paper Presentations	Link 3
	Theme 8: Developments in Ground Improvement 14:00 – 15:30: Paper Presentations	Link 1

	Theme 3: Deep foundations 14:00 – 15:30: Paper Presentations	Link 4
	Theme 3& 4: Deep foundations&Environmental Geotechnology 14:00 – 15:30: Paper Presentations	<u>Link 5</u>
	Technical Sessions	
	Theme 1: Soil Behavior and Characterisation of Ground 15:45 – 17:30: Paper Presentations	Link 2
	Theme 6: Landslides and Slope Stability 15:45 – 16:05: Theme Lecture 16:05 – 17:30: Paper Presentations	Link 3
15:45 – 17:30	Theme 8: Developments in Ground Improvement 15:45 – 17:30: Paper Presentations	Link 1
	Theme 9: Numerical and Physical Modeling 15:45 – 16:05: Theme Lecture 16:05 – 17:30: Paper Presentations	<u>Link 4</u>
	Theme 11: Dynamics of Soils and Foundations 15:45 – 16:05: Theme Lecture 16:05 – 17:30: Paper Presentations	Link 5
19:00 - 20:00	Cultural Program	<u>Link 1</u>
	19 December 2020, Saturday	
09:00 – 11.15	Plenary Session 5	<u>Link 1</u>
11:15 – 11:30	Corporate Presentations	<u>Link 1</u>
	Technical Sessions	
	 Theme 7& 13:Forensic Geotechnical Engineering&Tunneling and Deep Excavations 11:30 – 11:50: Theme Lecture 11:50 – 12:10: Theme Lecture 12:10 – 13:00: Paper Presentations 	Link 2
11:30 – 13:00	Theme 5 & 6: Transportation Geotechnics & Landslides and Slope Stability 11:30 – 13:00: Paper Presentations	Link 3
	Theme 8: Developments in Ground Improvement 11:30 – 13:00: Paper Presentations	Link 1
	Theme 9: Numerical and Physical Modeling 11:30 – 13:00: Paper Presentations	<u>Link 4</u>
	Theme 10: Geosynthetics and Reinforced Soil Structures 11:30 – 11:50: Theme Lecture 11:50 – 13:00: Paper Presentations	<u>Link 5</u>
	Lunch Break (13:00 – 14:00)	
	Technical Sessions	
	Theme 13: Tunneling and Deep Excavations 14:00 – 15:45: Paper Presentations Themes 12 & 14: Scour and Erosion&Offshore Geotechnics	<u>Link 2</u>
14:00 – 15:45	14:00 – 14:20: Theme Lecture 14:20 – 15:45: Paper Presentations	<u>Link 3</u>
	Theme 8: Developments in Ground Improvement 14:00 – 15:45: Paper Presentations	<u>Link 1</u>
	Theme 10: Geosynthetics and Reinforced Soil Structures 14:00 – 15:45: Paper Presentations	<u>Link 5</u>
16:30 – 17:15	Valedictory Function	Link 1

SCHEDULE OF IGC 2020

December 17, 2020

09:00 – 10:15		Inaugural Ceremony	Link 1
		42 nd IGS Annual Lecture	Link 1
10:30 – 11:30		25 years of our Contributions to Geotechnical Earthquake Engineering by Prof. T. G IIT Guwahati & IISc., Bangalore	6. Sitharam, Director, IIT
		Sivakumar Babu,President, IGS T. Shahu, Secretary, IGS	
		Plenary Session 1 (11:35 – 13:00)	Link 1
Chairman:Prof. I	V. R. Madhav, Professor	anarayana Reddy, Andhra University, Visakhapatnam Emeritus, IITHyderabad &JNTU, Hyderabad blex Infrastructures Limited, Chennai	
11:35 – 12:10	Keynote Lecture 1	A Novel Environmentally Friendly Vegetated Three-layer Landfill Cover System using Without A Geomembrane by Prof. Charles W.W. Ng, The Hong Kong University of President, ISSMGE	g Construction Wastes but Science & Technology &
12:10 – 12:45	Keynote Lecture 2	Applicability of Recycled Soil Mixed with Bentonite and Polymer as a Waste Landfill Lin Incheon National University, South Korea & Vice President (Asia), ISSMGE	ner by Dr. Eun Chul Shin,
		Lunch Break (13:00 – 14:00)	
		Plenary Session 2 (14:00 – 15:45)	<u>Link 1</u>
Chairman: Prof.	ator: Dr. K. Rajya Laksl G.V. Rao,Professor Eme of. S. Chandrakaran, N	ritus, IIT Gandhinagar	
14:00 – 14:35	Keynote Lecture 3	Reliability Analysis of Contaminant Transport Models in Soils and Fractured Rocks Babu,I.I.Sc., Bangalore	by Prof. G.L. Sivakumar
14:35 – 15:10	Keynote Lecture 4	Sustainable Measures for Protection of Structures against Earthquake In Prof. Gopal Madabhushi, University of Cambridge, UK	nduced Liquefaction by
15:10 – 15:45	Keynote Lecture 5	Solutions for Foundation Systems Subjected to Earthquake Conditions by Prot	f. DeepankarChoudhury,
16:00 – 17:40		TECHNICAL SESSIONS (December 17, 2020)	

	I HEN tor: Prof. K. Muthukk mit Prashant, IIT Gar		LINK 2
		s. Geo Dynamics, Vadodara	
16:00 – 16:20	Theme Lecture	Soil Behaviour and Characterization: A Study on Improvement of CBR Characteristics o Sibapriya Mukherjee, Jadavpur University, Kolkata	f Soil Subgrade by Pr
		Paper Presentations	
-	TH-01-002	Effect of Plasticity of Fines on Properties of Uniformly Graded Fine Sand by Akhila M, and Sruthy M R	Rangaswamy K, Sar
	TH-01-003	Comparison of Theoretical and Laboratory Permeability for Coarse Grained Soil at Diffe Satyajit Roy, Bharti R K, Jain V K, Manish Gupta and Chitra R	erent Ground Condition
	TH-01-004	Geotechnical Investigations for the Afflux Bunds of A Barrage Project in Eastern India and Chitra R	i by Jain V K, Satyaj
	TH-01-005	Prediction of Engineering Properties of Kerala Soil by Anju Mary E and Chandrakaran S	
	TH-01-006	Durability Study on Coir Fiber Reinforced Soil by Muttharam M and Dhana Teja M	
December 17, 2020	TH-01-008	Effect of Curing Period on the Geotechnical Properties of Lime Treated Organic So Abraham B M and Sridharan A	oils by <i>Annie J, Sru</i> t
16:20 – 17:40 -	TH-01-10	Influence of Density and Degree of Saturation on the Shear Strength Characteristics of K and Siva Sankara Reddy D V	Marine Sands by Nata
-	TH-01-12	Evaluating Soil Shrinkage Behavior Using Digital Image Analysis Process by Shara Thyagaraj T	nya A G, Heeralal N
-	TH-01-13	An Approach for Geotechnical Site Characterization of Brown Field Site of a Stee Shuvranshu Kumar R	Plant by Manos De
	TH-01-15	Effect of Palm Fibres on Lime Blended Sandy Clay by Athira T and Sini T	
-	TH-01-16	Direct Swell Pressure Measurement by Using Newly Designed Proving Ring - A Comp D, Viswanadham B V S, Kayabali K and Qureshi A	parative Study by Fara
-	TH-01-18	Influence of CaCl ₂ on Compaction and CBR Characteristics of Gypsum (CaSO ₄ .2H ₂ O) by <i>Ramanjaneyulu B and Darga Kumar N</i>	Stabilized High Plastic
	TH-01-24	Compaction Characteristics of China Clay- Bentonite-Sand Mix Proportions by Jyothi D S and Vidya B V	N, Prasanna H S, Po

		THEME 2 – Shallow Foundations	LINK 3
Chairman: Prof. K	tor:Prof. Sireesh Sar S. Beena, Cochin Un Arif Ali Baig Mughal,	iversity Science and Technology, Kochi	
16:00 – 16:20	Theme Lecture	Performance of Geosynthetic Reinforced Shallow Foundations by Prof. A. Murali Krish	na, IIT Tirupati
		Paper Presentations	
	TH-02-005	Comparative Study of Bearing Capacity of Clay Mixed with Sand Proportions by <i>Ravite Padmavathi M</i>	ja P, Saibaba Reddy E and
	TH-02-006	Variability in Settlements of Foundations on Fine Grained Soils by Deepthi M, Nageshu R	var Rao Ch and Madhav N
-	TH-02-007	Probabilistic Investigation on Seismic Bearing Capacity of Shallow Foundation on Unsa Abhijit Anand and Rajib Sarkar	turated Fly Ash Deposit by
	TH-02-009	Bearing Capacity of Reinforced CNS Soil Bed on Clay Soil with Inclined Reinforcement Considering Kinematics by Rajashekar Reddy P, Narasimha Reddy G V and Saibaba Reddy E	
	TH-02-12	Study of Pullout Behaviour of Bell-Shaped Anchor without and with Tie in Clayey Medi Kumar B	um by <i>Arya Das and Ashi</i>
December 17, 2020	TH-02-14	Mobilised Frictional Shear and Dead-Weight of Sand Wedge: Contributing to the Pul Anchor Pile in Sand by <i>Tanaya Deb and Sujit Kumar Pal</i>	I-Out Resistance of Belled
16:20 – 17:40 -	TH-02-15	Influence of Moment on Load-Settlement Behaviour of Circular Footing Resting on Clay Jayamohan J and kannan K	yey Soil by <i>Sreedhu P S P</i>
	TH-02-17	Horizontal Load-Deformation Behaviour of Shallow Circular Footing by Amrita Varsha T Angel	S, Jayamohan J and Anila
_	TH-02-23	Geotechnics of a Unique Irregular High-Rise Statue by Ravi Sundaram, Abhay Gupta and Sanjay Gupta	
	TH-02-26	Experimental Studies on Load Settlement Behavior of Cohesionless Soil using Bamboo Nayanmoni C	Grid by Bipasha Das and
	TH-02-28	Ultimate Bearing Capacity of Strip Footing on Reinforced Embankment using Uppe Debashis Manna, Santoshkumar G and Priyanka Ghosh	r Bound Limit Analysis by

	т	HEME 8 – Developments in Ground Improvement	LINK 1
Chairman: Prof. P	tor: Dr. K. Rajya Lak riti Maheswari, IITRo 3. Janakiramaiah, IIT		
		Paper Presentations	
	TH-08-001	Improvement of soft clays using stone columns with and without encasement by Vittal and Ravinder R	laiah A, Nirmala Peter E C
	TH-08-002	Geotechnical Properties of Soft Improved Ground from in-situ Time-Settlement Plots and Madhav M R	by Divya J, Padmavathi M
	TH-08-003	Bio-Cementation of Fat Clay using MICP by Rajani G, Ramana G V and Arif Ali Baig M	
-	TH-08-005	Settlement of a Square Footing on Dry Sand Bed Reinforced with Stone Columns under of Frequency by <i>Priti Maheswari, Sahoo J P and Siddartha S</i>	Seismic Conditions: Effect
	TH-08-006	Experimental Study on Parametric Influences of Stone Column Reinforced Foundation Utpal Mandal and Agnishek C	Systems by Arghadeep B,
	TH-08-10	Stabilization of soft clay using nylon fiber and fly ash by Nilna C V and Chandrakaran S	
	TH-08-13	Enhancing the Properties of Dune Sand using Marble Dust by Ashish Solanki and Jitence	lra Kumar Sharma
December 17,	TH-08-16	Experimental Investigation of Expansive Soil Mixed with Shredded Rubber Tyreby Banti Singh, Vishal kumar I and Jitendra kumar Sharma	
2020 16:00 – 17:40	TH-08-19	A Laboratory Study on the Stabilized Expansive Soil with partial Replacement of Flyash and Palm Oil Fuel Ash by Ramu K and Dayakar Babu R	
	TH-08-20	Effect Of Soil Burial On Durability of Alkali Activated Binder Treated Jute Geotextile by Anasua GuhaRay	Sachin chakravarthy G and
	TH-08-22	Enhancing the Engineering Properties of Black Cotton Soil by using Magnesium Chlor Vijay Kumar and Ajay B	oride by <i>Sukanya Sharma,</i>
	TH-08-23	Study on Permeation Grouting with Cement to Improve Load Carrying Capacity of Sand Kumar and Supriya M	y Soil by <i>Rawat P, Prabhat</i>
	TH-08-25	Decontamination of soil by Electro Kinetic Treatment by Muddassir Nadaf, Kaveri D J and	nd Vikas G
	TH-08-27	Influence of Curing Methods on Strength of Nano SilicaTreated Soil by Kannan G and S	ujatha E R
	TH-08-28	The Behavior of Expansive Soil on The Addition of Kota Stone Slurry And Cement <i>Jitendra Kumar Sharma and Charan H D</i>	by Ajay Pratap Singh R,
	TH-08-29	Effect of Waterborne Polymer on Geo technical Properties of Black Cotton Soil by Dee Sharma	pak P and Jitendra Kumar

		THEME 3 – Deep foundations	LINK 4
Chairman: Prof. R	amendu Bikas Sahu,	idya, M/s Geo Dynamics, Vadodara Jadavpur University, Kolkata Structurals Pvt. Ltd., Kochi	
16:00 – 16:20	Theme Lecture	Rock Anchors for Static Pile Load Testing – Considerations and Case Studies by Sri. Ravi Kiran Vadodara	Vaidya, M/s Geo Dynamics,
		Paper Presentations	
	TH-03-002	3D Numerical Study of the Behavior of Piled Raft Foundation on Soft Clay with Uniform by <i>Rajib M, Debjit B and Baleshwar Singh</i>	n and Varying Pile Lengths
	TH-03-003	Analysis of Decomposed Components of Raft and Piles of Piled-Raft Foundation Sharma and Baleshwar Singh	in Sandy Soil by <i>Tusshar</i>
-	TH-03-005	Evaluation of Initial Stiffnesses and Ultimate Resistances of Shaft and Base of a Pile Vedhasri S, Nageshwar Rao Ch and Madhav M R	e from Initial Load Test by
-	TH-03-008	Behavior of Single Pile Subjected to Eccentric Loading in Cohesionless Soils by Dhan and Padmavathi V	asree N, Saibaba Reddy E
	TH-03-009	Evaluation of Bearing Capacity for Cast In-situ Bored Pile by Raisa P S and Chandrakaran S	
-	TH-03-11	Effect of Bentonite Support Fluid on Pile Capacity by Keerthi S and Abraham B M	
December 17, 2020	TH-03-12	Predicting Residual Stress State Around Bored Cast-in-situ Piles Utilizing Cavity Contraction and Expansion Solutions by <i>Alpha Lukose and Sudheesh T</i>	
16:20 – 17:40	TH-03-14	Estimation of Mobilized Shaft Resistance of Bored Piles from Pile Load Test by Gouthami M, Srinivas K and Madhav M R	
	TH-03-15	Numerical Analysis of Jointed Piles by Swathi B, Balakumar V and Chandrasekaran S S	
-	TH-03-17	Numerical Analysis of Finned Pilein Clayey Soil under Combined Loading by Rek Unnikrishnan N	tha A, Jayasree P K and
-	TH-03-23	Genetic Algorithm based Optimisation and Design of Pile Foundation by Bhargav Jyoti E	3 and Sasanka B
-	TH-03-25	A Numerical Study about the Development of Stressed Zone around Single Pile when N of the Slope under Static Lateral Load by <i>Sivapriya S V and Gandhi S R</i>	Noved away from the Crest
	TH-03-26	A Critical Review of Some Important Aspects of the Indian Practice of Geotechnical <i>Jimmy Thomas, Gitty R E and Joyis Thomas</i>	Design of Bored Piles by

		THEME 4 – Environmental Geotechnology	<u>LINK 5</u>	
Chairman: Prof. D.	t <mark>or: Dr. D. Neelima S</mark> . K. Baidya, IIT Kharag Ankit Garg, Shantou U	apur de la company de la co		
16:00 – 16:20	Theme Lecture	Effect of Physico-Chemical Interactions and Cyclic Wet-Dry Process on Behaviour of Co Dr. T. Thyagaraj, IITMadras, Chennai	ompacted Clay Soils by	
		Paper Presentations		
	TH-04-001	Strategies and Learnings in Execution of Filter Works with Manufacture-Sand in an E Vinod Kumar Mourya	arth and Rock-Fill Dar	
	TH-04-002	Performance of an Electro Magnetic Sensor for Field Monitoring of Volumetric Water C Polymer (WAP) Amended Soil by <i>Abhisekh S, Sreedeep S and Uttam Manna</i>	Content in Water Absor	
	TH-04-007	Effect of Biochar for the Remediation of Heavy Metal Contaminated Industrial Site Soil b Bindu J	y Susmitha R T and	
	TH-04-008	Compressive Strength of High Plastic Clay stabilized with Fly Ash Based Geopolymer and Its synthes Parameters by Neeraj Varma D, Tulasi Kumar M and Vamsi Nagaraju T		
December 17	TH-04-009	Numerical Analysis on the Reinforced Earth Walls backfilled with Coal Gangue by Chetan B, Mohammed Ashfa and Heeralal M		
December 17, 2020	TH-04-10	Study on Retention Characteristics of Amended Clay Liner by Anju S and Ajitha A R		
16:20 – 17:40	TH-04-14	An Experimental Study on Flyash Behaviour as Landfill by Kingshuk Dan		
	TH-04-15	Geotechnical Characteristics of Thermal Powertech Fly Ash from Krishnapatnam, Nellor and Vinay Kumar P	e by Narasinga Rao E	
	TH-04-16	Treatment of Akkulam Dredged material with Lime by Abhijith A and Jaya V		
	TH-04-20	Study on the Characteristics of Overburden Dump of the Coal Mines by Atul D Gautam and Yadu L K		
-	TH-04-23	Effectiveness of Bioremediation Technique on Oil Contaminated Marine Soil by Sravya K, Sangeetha S and H Krishna P		
	TH-04-26	Microbially Treated Lateritic Soil as a Landfill Liner Material by Kavya K S and Ajitha A F	7	
	TH-04-27	Decontamination of Heavy Metal Contaminated Soils by Phytoremediation: Pot Experimentary and Somanath Mondal	mentation by Rajasekh	
18:00 – 20:30		Annual General Meeting	Link 1	

		December 18, 2020	
		<i>Plenary Session 3</i> (09:00 – 10:45)	<u>Link 1</u>
Chairman: Prof. I	ator: Prof. C. N. V. Saty K.S. Rao, IIT Delhi of. R. ShivaShankar, NI	anarayana Reddy, Andhra University, Visakhapatnam T, Suratkal	
09:00 - 09:35	Keynote Lecture 6	A Road Map for Geotechnical Monitoring of Transportation Infrastructure Assets using Three- Developed from Unmanned Aerial Databy Prof. Anand J. Puppala, Texas A & M University ,	
09:35 – 10:10	Keynote Lecture 7	Geoenvironmental Considerations for Bulk Reuse of MSW Residu Dumps and WTE Plants in Geotechnical Applicationsby Prof. Manoj Datta, IIT Delhi	ues from Old
10:10 – 10:45	Keynote Lecture 8	Geosynthetics Encased Granular Columns: Design and Analysis under Vertical and Latera Rajagopal, IITMadras, Chennai	I Loads by Prof. K.
11:0	00 - 11:20	Corporate Presentations: M/s. AIMIL Ltd. and M/s. HEICO	<u>Link 1</u>
		Plenary Session 4 (11:30 – 13:00)	<u>Link 1</u>
11:30 – 12:05 12:05 – 12:40	Keynote Lecture 9 Keynote Lecture 10	Geotechnical Solutions, Chennai Use of Centrifuge-based Physical Modelling for Understanding the Performance of Geostruc Viswanadham, IITBombay, Mumbai Simple Approaches for the Design of Shallow and Deep Foundations for Unsaturated So Experimental Studiesby Prof. Sai. K. Vanapalli, University of Ottawa, Canada	•
	r	Lunch Break (13:00 – 14:00)	
14:00 – 15:30		TECHNICAL SESSIONS	
	THE	ME 1 - Soil Behavior and Characterisation of Ground	<u>LINK 2</u>
Chairman: Sri. Ra	ator: Prof. K. Muthukku avi Sundaram, CENGRS Jaykumar Shukla, M/s.		
14:00 – 15:30		Paper Presentations	
	TH-01-25	A Lab Study on the Factors Effecting Settlement and Electrical Resistivity of Gypsum Sands b and Michael E K	
	TH-01-26	Evaluation of Liquefaction Susceptibility of Soils in Kerala, India based on Equivalent N-V Acceleration by Akshay Vikram, Alex Abraham S M, Greeshma M R, Iswarya Ani, Mmohami Adarsh S	
	TH-01-27	Plasticity Charcteristics of China Clay -Bentonite -Sand Mix Proportion by Jyothi D N, Prasani and Yashaswini K A	na H S, Pavithra H S

December 18 2020

F	TH-05-006	M, Heeralal M and Kalyan Kumar G	outions by outinanal	
14:20 – 15:30	TH-05-003	Mechanical Stabilization of Subgrade using Sand-Cement Mixture by <i>Mainak Majumdar and Sa</i> Effect of Stabilisation on Geomechanical Properties of Pond Ash for Pavement Subbase Appli		
December 18, 2020		Paper Presentations		
14:00 – 14:20	Theme Lecture	New Layer Coefficients for Geogrid-Reinforced Pavements Bases by Prof. Sireesh Saride, III	Hyderabad	
Chairman: Prof. L	ttor: Prof. Sireesh Sai Dasaka S N Murthy, //7 Munwar Basha, //7Hy	Bombay, Mumbai		
		THEME 5 – Transportation Geotechnics	<u>LINK 3</u>	
	TH-01-54	Prediction of Shear Strength Parameter using Basic Index Properties and Modeling the Be Riverbed Rockfill Material by <i>Honkanadavar N P</i>	haviour of Prototype	
	TH-01-53	Engineering Behaviour of Alluvial Rockfill Material by Uday Bhanu C and Honkanadavar N P		
14:00 – 15:30 - -	TH-01-50	Load - Penetration Behaviour of Composite Soil with Nano - Alumina Material under Soaked and Unsoaked Condition by Sivapriya S V, Madhu T R and Sajid Ali		
	TH-01-49	Stress-deformation Behaviour of Feldspathic Gneisses as Foundation Medium for a 278 m H Dam in Eastern Himalayas by <i>Hari Dev and Gupta S L</i>	igh Concrete Gravit	
	TH-01-48	Load Settlement Characterstics of Sand Bed Reinforced with Woven Glass Fibre by Dev Ashwani Jain	rendra Singh R an	
	TH-01-45	Interpretation of Static Cone Penetration Test with Triaxial Test to Determine Undrained Shea Soil by Sachin K M		
December 18, 2020	TH-01-43	Flood Sediment Characterization and Modification as Construction Material by Athul O K and J	-	
	TH-01-39	Assessment of Deformability Characteristics of Sandstone by Direct and Indirect Methods Sarwade D V, Senthil P, Pankaj Kumar and Hari Dev	- A Case Study b	
	TH-01-34	Control of Heave Action using Micropile with Geotextile Layer in Expansive Soil by <i>Prashantl Mayur G V</i>	n G S, Sanjay R ar	
	TH-01-33	Implementation of Wavelet Algorithm and Maximum Change Point Method for Detection of Using GPR by Savita S J, Ambazhagan P and Pallavi A		
	TH-01-31	Relationship between various Consolidation Parameters of Compressible Soil by Siri A, Nag Madhav M R		
	TH-01-28	Estimation of Preconsolidation Stress of Compacted FineGrained Soils by User Fr Prasanna H S and Basava Raju	iendly Methods I	

	TH-05-009	Development and Study on the Properties of Eco-friendly Coir Latex Composites by Sibi Jo Balan K	y, Jayasree P K and
	TH-05-10	Flexural and Rutting Behaviour of Subgrade Reinforced with Geocell and Demolition Waste a and Sini T	as Infill by <i>Mahima D</i>
December 18, 2020	TH-05-16	Static Analysis of Thin Rectangular Plate Resting on Pasternak Foundation by Ashis Kul Bandyopadhyay and Jagatjyoti M	mar Dutta, Debasish
14:20 – 15:30	TH-05-18	Significance of GPR Studies in Urban Planning and Road Works - A Case Study from Gujarat, Rafiq Joo and Silky Agrawal	India by Mohammad
	TH-05-19	Interrelationship between CBR and Electrical Resistivity in Gravelly soils by Shah A J and Bhuvnesh Pandey	
	TH-05-22	Design and Construction of Road Embankments in Swampy area - A Case Study of Uganda i Kumar M, Sailesh S and Pradyot B	in East Africa by Avik
	TH-05-23	Behaviour of Geosynthetic Reinforced Reclaimed Asphalt Pavement Bases under Static Load Sheikh, Shah M Y and Saqib Wani K M N	ling by <i>Ishfaq Rashid</i>
	TH-05-25	Evaluation of Surface Deformation in Geo-cell Reinforced and Unreinforced Bases over Weal Rashid Sheikh, Shah M Y and Saqib Wani K M N	k Subgrade by Ishfaq
		THEME 8 – Developments in Ground Improvement	LINK 1
		kshmi, DTE, Govt. of AP	
Chairman: Prof. G	tor: Dr. K. Rajya Lai J.V.R. Prasada Raju, 3. Janakiramaiah, II	kshmi, DTE, Govt. of AP JNTU, Kakinada TTirupati	
Chairman: <i>Prof. G</i> Co-Chairman: <i>Dr.E</i> December 18,	.V.R. Prasada Raju,	kshmi, DTE, Govt. of AP JNTU, Kakinada TTirupati Paper Presentations	
Chairman: <i>Prof. G</i> Co-Chairman: <i>Dr.E</i>	.V.R. Prasada Raju,	kshmi, DTE, Govt. of AP JNTU, Kakinada Trirupati Paper Presentations Desiccation cracking behavior and strength characteristics of areca fiber reinforced fine-grain and Renjitha M V	ned soils by <i>Ravi D</i> A
Chairman: Prof. G Co-Chairman: Dr. E December 18, 2020	b.V.R. Prasada Raju, 3. Janakiramaiah, ∥1	kshmi, DTE, Govt. of AP JNTU, Kakinada TTirupati Paper Presentations Desiccation cracking behavior and strength characteristics of areca fiber reinforced fine-grain	ned soils by <i>Ravi D A</i>
Chairman: Prof. G Co-Chairman: Dr. E December 18, 2020	I.V.R. Prasada Raju, 3. Janakiramaiah, I I7 TH-08-33	kshmi, DTE, Govt. of AP JNTU, Kakinada Trirupati Paper Presentations Desiccation cracking behavior and strength characteristics of areca fiber reinforced fine-grain and Renjitha M V Experimental And Numerical Analysis Of Geosynthetic Encased Tapered Stone Columns by P	ied soils by Ravi D A Keerthi K, Agila K and
Chairman: Prof. G Co-Chairman: Dr. E December 18, 2020	V.R. Prasada Raju, 3. Janakiramaiah, //1 TH-08-33 TH-08-36	kshmi, DTE, Govt. of AP JNTU, Kakinada TTirupati Paper Presentations Desiccation cracking behavior and strength characteristics of areca fiber reinforced fine-grain and Renjitha M V Experimental And Numerical Analysis Of Geosynthetic Encased Tapered Stone Columns by A Johnson A S Numerical Analysis and Experimental Study on Reinforcement using PVC Rod in the Vicinity	ied soils by <i>Ravi D A</i> <i>Keerthi K, Agila K and</i> y of Pressure Bulb in
Chairman: Prof. G Co-Chairman: Dr. E December 18, 2020	V.R. Prasada Raju, 3. Janakiramaiah, //7 TH-08-33 TH-08-36 TH-08-37	kshmi, DTE, Govt. of AP JNTU, Kakinada Trirupati Paper Presentations Desiccation cracking behavior and strength characteristics of areca fiber reinforced fine-grain and Renjitha M V Experimental And Numerical Analysis Of Geosynthetic Encased Tapered Stone Columns by P Johnson A S Numerical Analysis and Experimental Study on Reinforcement using PVC Rod in the Vicinity Sand by Agila K, Arvee Sujil J and Keethi K Unconfined Compressive Strength of MICP Treated Black Cotton Soil by using Pseudomonas	ed soils by <i>Ravi D A</i> <i>Keerthi K, Agila K and</i> y of Pressure Bulb in s putida by <i>Wath R B</i>
Chairman: Prof. G Co-Chairman: Dr. E December 18, 2020	V.R. Prasada Raju, 3. Janakiramaiah, //7 TH-08-33 TH-08-36 TH-08-37 TH-08-38	kshmi, DTE, Govt. of AP JNTU, Kakinada Trirupati Paper Presentations Desiccation cracking behavior and strength characteristics of areca fiber reinforced fine-grain and Renjitha M V Experimental And Numerical Analysis Of Geosynthetic Encased Tapered Stone Columns by P Johnson A S Numerical Analysis and Experimental Study on Reinforcement using PVC Rod in the Vicinity Sand by Agila K, Arvee Sujil J and Keethi K Unconfined Compressive Strength of MICP Treated Black Cotton Soil by using Pseudomonas and Pusadkar S S Strength and Deformation Characteristics of Subgrade Soil Stabilized with Plastic Coverse	ed soils by <i>Ravi D A</i> <i>Keerthi K, Agila K and</i> y of Pressure Bulb in s putida by <i>Wath R B</i> s by <i>Monica Simon,</i>
Chairman: Prof. G Co-Chairman: Dr. E December 18, 2020	V.R. Prasada Raju, Janakiramaiah, //7 TH-08-33 TH-08-36 TH-08-37 TH-08-38 TH-08-39	kshmi, DTE, Govt. of AP JNTU, Kakinada Trirupati Paper Presentations Desiccation cracking behavior and strength characteristics of areca fiber reinforced fine-grain and Renjitha M V Experimental And Numerical Analysis Of Geosynthetic Encased Tapered Stone Columns by A Johnson A S Numerical Analysis and Experimental Study on Reinforcement using PVC Rod in the Vicinity Sand by Agila K, Arvee Sujil J and Keethi K Unconfined Compressive Strength of MICP Treated Black Cotton Soil by using Pseudomonas and Pusadkar S S Strength and Deformation Characteristics of Subgrade Soil Stabilized with Plastic Covers Vismaya A, Jayasree P K and Leema Peter	ied soils by <i>Ravi D A</i> <i>Keerthi K, Agila K and</i> y of Pressure Bulb in s putida by <i>Wath R B</i> s by <i>Monica Simon,</i>

	TH-08-46	Effect of modification on coir fiber in durability and shear strength parameters of flyash clay m <i>Manju G S</i>	ixture by Athira S and
December 18,	TH-08-48	Dynamic Compaction of Sandy and Silty Soils Near Delhi for Liquefaction Mitigation by An Manoj T	nit S, Sandeep G and
2020 14:00 – 15:30	TH-08-51	Lateral Displacements of Soft Ground under Embankment Loading by Bhanuchitra M, Padmavathi V and Madhav M R	
	TH-08-52	Influence of Eco-sand Drains on the Performance of Consolidation Characteristics Founded on Soft Clay Deposits by <i>Gowtham P, Subitha T and Kishore K S</i>	
	TH-08-54	Effect of Fiber Reinforcement on Strength of Geopolymerised Soil: An Experimental Investi Modeling by Mazhar Syed, Yash V K, Gaurav B S and Anasua GuhaRay	gation and Numerical
	TH-08-56	Influence of Coconut Coir on the Strength Characteristics of Silica Fume based Geopoly Blends by Nagaraju T V and Vinay kumar Ch	mer Expansive Clay
	TH-08-57	Strength Behaviour of Polypropylene Fiber Reinforced GGBS based Geopolymer Clay Blend <i>Ch, Nagaraju T V and Santoshi A S P V</i>	s by Sarada Sharmila
		THEME 3 – Deep foundations	LINK 4
	Ashim Kanti Dey, NITS Anil Joseph, M/s. Geo	o Structurals Pvt. Ltd., Kochi Paper Presentations	
Co-Chairman:Dr.	Anil Joseph, M/s. Geo		
	TH-03-28	Appraisal of Innovative Finned-Pile foundations to Resist lateral Loads by Pankaj B and Sreev	valsa K
	TH-03-29	Unsatisfactory Behavior of Bored Cast In-situ Piles during Testing - Ignorance or Negligence! by Maurya R R and Vijayaraman A	
	TH-03-32	Lateral Load Carrying Capacity of Vertical Micropiles by Udaya Pratap, Awdhesh Kumar Che Kumar Sinha	oudhary and Abdhesh
December 18,	TH-03-33	Short Piles for a Solar Power Plant in Western Rajasthan by Mohit J, Ravi Sundaram, Sanja Kumar	y Gupta and Jitendra
2020 14:00 – 15:30	TH-03-35	Experimental Study on Seismic Behaviour of Liquefiable Soil using Piled Raft Foundation v Pile by Mansi K, Karan M and Nidhi P	vith varying Length of
	TH-03-36	Performance of Barrette Foundations in Sandy Soil Subjected to Vertical Loading by Sohail (and Dhatrak A I	Qureshi, Thakare S W
	TH-03-37	Numerical Analysis of Plate Anchors in Clay by Dhatrak A I, Rushikesh R B, Lalit S A and Sar	ijay W T
	TH-03-40	Performance of Helical and Square Plate Anchors in Cohesionless Soil by Dhatrak A I, Amrui and Badnakhe R R	kar L S, Thakare S W
	TH-03-42	Performance of Barrette foundation in Sandy Soil Subjected to lateral loading by Sunil I) Thakare S W and

TH-0	3-44	Performance of the Helical Pile Foundation in Cohesionless Soil by Ananth I D, Himanshu R V. Sanjay W T	arma, Minal M D and		
TH-0	3-47	Analysis of Pile Group and Piled Raft as a Foundation Systemby Shreyansh Kumar G, Jayku H Joshi	mar Shukla and Nitin		
TH-0	3-48	Parametric Study on Performance of Piled Raft Foundation on Dense Sand underlain by S Prasad C R, Surya Ch and Mallikharjuna Rao K	Soft Clay by <i>Eswara</i>		
TH-0	3-51	Experimental Investigation on Performance of Helical pile in Cohesionless Soil by Dhatrak . Himnashu R Varma and Thakare S W	A I, Minal M Dhage,		
TH-0	3-52	Load Settlement Behaviour and Interaction Effect of Piled Raft Foundation in Cohesive Soil by Vinod Kumar D and Mallikarjuna Rao K	Eswara Prasad C R,		
TH-0	3-60	Instrumented Pile Load Tests in Southern India by Sujan Kulkarni, Ravikiran Vaidya and Sriran	n P		
	THEMES 3 & 4 – Deep foundations & Environmental Geotechnology LINK 5				

Session Coordinator: Dr. D. Neelima Satyam, IIT Indore Chairman: Prof. D.K. Baidya, IIT Kharagpur Co-Chairman:Dr. Ankit Garg, Shantou University, China

		Paper Presentations
	TH-03-61	Bidirectional Static Load Test (BDSLT) on a Versatile Barrette Foundation for High-Rise Building in Dubai by Anil Cherian
	TH-03-62	Analytical Study of Load carrying Capacity of Fiber Reinforced Polymer Piles by Dhatrak A I, Shweta N B and Thakare S W
	TH-04-30	Effect of High Suction Measurement Technique on the SWCC of Expansive Soil by Abhijit D, Srikanth V and Sreedeep Sekharan
	TH-04-31	Strength Characterisation of Stabilized Class "F" Flyash using Class "C" Flyash by Soundarapandian M and Stalin V K
December 18, 2020	TH-04-32	Effect of Fly Ash Addition to the Viscous Behavior of Bentonite by Sayali Belawadikar, Dhananjay S Patil and Ashish Juneja
14:00 - 15:30	TH-04-35	Application of Bio Inspired Systems for Geotechnical Solutions- A Review by Bhuvaneshwari S
	TH-04-36	Design of Compacted Clay Liner with Black Cotton Soil and Micro Silica Fume by Anjuraj C and Soumya Jose
	TH-04-41	Reuse of Dredge Material as a Liner in Landfills by Abhijith Sathya, Chanthu R, Martin Robert, George Johnson and Rani V
	TH-04-42	A Review on Soil Reinforcement using different Natural Fibers by Apurva A K, Sankar N and Chandrakaran S
	TH-04-46	Effect of Synthetic Leachate on Volume Change Behaviour of Compacted Clay Liners by Shanmuga Priya R and Thyagaraj T
	TH-04-49	Environmental Geotechnical Issues in River Interlinking Proposal by Laxmikanta Tripathy
	TH-04-51	Use of Dynamic Compaction for Densifying MSW Landfills by Saptarshi Kundu and Viswanadham B V S

15:45 – 17:30	TECHNICAL SESSIONS (December 18, 2020)		
	т	HEME 1 - Soil Behavior and Characterisation of Ground	LINK 2
Chairman: Prof. K.	Rajagopal, IITMad	«kumaran, NIT Trichy ras, Chennai College of Engg.,Pune	
		Paper Presentations	
	TH-01-56	Modelling using ANN and RNN Approach for Shearing Behavior of Residual Soil by Manas B a	nd Milind A
	TH-01-57	Assessment of Local Seismic Hazard of Agartala based on Nonlinear Site Response Analysis S and Rajat D	by Rima Das, Rajib
	TH-01-58	Effect of Alkali Activated Fly Ash on Shrinkage Characteristic of Expansive soil by Vamsi No. Sireesh Saride	avya Krishna M and
	TH-01-59	Strength and Micro-structure Evolution of soft soils by using Nanosilica by Rupa Shree R S and	l Anuradha P
	TH-01-60	Analysis of Desiccation Crack Patterns of Expansive Soil Treated with Lignosulphonate and Lir Bhuvaneshwari S	me by <i>Landlin G and</i>
	TH-01-63	Laboratory Assessment of Clogging Potential using Soil Drilling Test by Arya S Babu and Sayid	da M K
	TH-01-64	Chemical Remediation of Soil Contaminated with Heavy Metals by Washing with EDTA by <i>N</i> and Chitra R	leelam P, Bharti R K
December 18, 2020	TH-01-65	Analysis of Freezing Thawing Cycles on Unconfined Compressive Strength of Expansive Soil <i>M, Bhavita D, Solanki C H and Desai A K</i>	by Mohmad Maaz M
15:45 – 17:30	TH-01-67	Standard Penetration Test (SPT) Pitfalls and Improvements by Selvam S, Manoj M and Swathi	Ā
	TH-01-70	Effects of Soil Structure Interaction on the Embankment Resting on Different Soils Subjected to Ground Motions by Sridevi G, Shivaraj A, Sudarshan G and Rama Rao M	o Strong Earthquake
	TH-01-72	A comparison of Rock Mass Deformation Modulus from Empirical Correlations versus Plate Hydro-Electric Power Project, Papum Pare, Arunachal by <i>Pawan Kumar Singh, Diganta Goswa</i>	
	TH-01-74	Strength Behavior of Lime Stabilised Soil Reinforced with Waste Plastic Strips by Gnana Prase krishna G	anna G and Venkata
	TH-01-79	Effect of Tyre Waste Addition on UCS of Bentonite-Sand and Bentonite-Rock Quarry Dust Mi. <i>Tinku K and Chetia M</i>	xes by Nazrul Islam,
	TH-01-83	Consolidation: Critical Appraisal of Settlement versus Rate of Settlement (SRS) Approach Sudhir Kumar T, Chetia M, Nasrin T and Kanishck T	with Fuzzy Logic by
	TH-01-84	Characterization of Dispersive Soils using Chemical and Mineralogical Tests by Sameer V, Bee and Gupta S L	ena A, Rajeev kumar
	TH-01-85	Study of Maliya Marine Clay for A Highway Embankment by Anandji Kalyanji Shah	

		THEME 6 – Landslides and Slope Stability	LINK 3
Chairman: Prof. S.	t <mark>or: Dr. G. V. Ramana</mark> <mark>K Prasad,</mark> Vidyavardl <mark>I. Ravi Shankar</mark> ,IIT R	naka Engineering College, Mysore & Former Prof., SJCE, Mysore	
15:45 – 16:05	Theme Lecture	Ultrasonic Removal of Clogging and Evaluation of Flow Capacity of Geotextile Drainby Prof. Ch Jammu	andan Ghosh, IIT
		Paper Presentations	
	TH-06-001	Prediction of Stability of an Infinite Slope using Geospatial Techniques by <i>Dinesh Srirama, Baig M</i>	Savita C and Arif
	TH-06-002	Application of Bi-Directional Extreme Learning Machine for Predicting Stability of Slope of Rai Seismic Condition by <i>Abi Bardhan, Dilip Kumar B, Lakshmi M and Tijush Samui</i>	lway Embankmen
	TH-06-003	Risk Assessment and Early Warning System for Landslides in Himalayan Terrain by Panigrahi	R K and Gaurav I
	TH-06-004	Multiple Regression (MR) and Artificial Neutral Networks (ANN) for Predicting Factor of Saf Analysis by Aswathi M and Chandrakaran S	ety in Slope Stab
	TH-06-007	Application of Numerical Modelling to Solve Slope Stability and Landslides by Sukumar Saha	
	TH-06-008	Numerical Analysis of the Stability of Soil Slopes subjected to Rainwater Infiltration by Bha Adarsh S C	anuprakash H R a
December 18,	TH-06-10	Analysis of Layered Slope Subjected to Rainwater Infiltration by Anil Kumar G M and Adarsh S	C
2020	TH-06-11	Response of Sand at Low Normal stresses using Gravity Shear Test by Kiranmai K, Srinivas K	and Madhav M F
16:05 – 17:30	TH-06-21	Rock Slope Stability Analysis of a Metro Station Excavation by Rajaraman R and Sumanth Kul	mar G
	TH-06-22	Design of Core of Earthen Dam by Replacement with Geosynthetics by Asif Ali Md., Sasank Bhushan J Y V	a Mouli S and St
	TH-06-25	Investigation and Design of Remedial Measures for Landslide in Hunthar Veng, Mizoram - A C M, Prasad P S, Sudhir Mathur and Kishor Kumar	Case Study by Vir
	TH-06-31	Stability Analysis of Tailings Dams using Finite Element Approach and Conventional Limit Equ Surender Singh, Abhishek Kumar and Sitharam T G	illibrium Approach
	TH-06-33	Stability Analysis of Slopes at a Landslide Prone Area: A Case Study on the Landslide a Sumalatha J	t Madikere, India
	TH-06-37	Study of Dry Granular Flow Behaviour with and without Erodible Layer by Sureka S, Rakesh J P	Kavin Kumar C

		THEME 8 – Developments in Ground Improvement	<u>LINK 1</u>
Session Coordinat	or: <i>Dr. K. Rajya La</i> l	kshmi, DTE, Govt. of AP	
Chairman: Prof. Cl			
Co-Chairman:Prof.	G. Sridevi, BVRII,	Hyderabad Paper Presentations	
	TH-08-58	Advancement in Microbial Soil Treatment for Enhancing Geotechnical Properties by <i>Ripunjoy L</i>) and Abhijit D
_	TH-08-60	Effect of Marble Dust on Strength Characteristics of Rice Husk Stabilized Soil by <i>Srikalpa R M, Monoswi M</i> Ruparshree R S	
-	TH-08-63	Modification Of Geotechnical Properties Of Local Soil Mixed With Fly Ash by Divya S and Gupt	aSS
	TH-08-64	Swelling Characteristics of Flyash based Geopolymer Expansive Clay blends by Nagaraju T N K	/ and Naga Mou
	TH-08-67	A critical review on stabilization of expansive soils with compensating materials by Ashok Ka and Robinson R G	umar T, Thyagai
	TH-08-69	Internal and External Sulfate Attack on Expansive Soil Stabilized with Calcium Based Stab Sriram Karthick Raja P and Thyagaraj T	ilizers: A Reviev
	TH-08-70	Swell-Shrink Behaviour of Lime Pile and Lime Slurry Treated Expansive Soil by Kumar K S R a	nd Thyagaraj T
	TH-08-71	Effect of lignosulfonate on strength and deformation behavior of Swelling soil by Richa M and F	Rajesh S
December 18, 2020	TH-08-73	Efficacy of Red mud and GGBS in Improving the Engineering Properties of Black Cottor Somenath M and Anil Kumar C	n Soil by Swee
15:45 – 17:30 –	TH-08-74	Use of Nanolime and Fly Ash Mixture to Improve Consistency Limits & UCS of Rajkot Soil b Druv and Siddharth G S	oy Hardik B A, I
	TH-08-76	Strength and Compressibility of Kaolinite Clay Stabilized with Lime Sludge and Fly Ash by Ba Puri V K and Kumar S	urra S G, Kolay
	TH-08-80	Effect of Ground Granulated Blast Furnace Slag and Plastic Fibres on Geotechnical Properties by <i>Durga Prasad S, Prasad D S V and Prasada Raju G V R</i>	of Black Cotton
	TH-08-81	Slope Stability Analysis of Stacker – Reclaimer embankment under the influence of Adjacent <i>Mineshbhai Gupta</i>	Stock Pile by Ri
	TH-08-83	Improvement of bearing capacity of stone columns- An analytical study by Manita Das and Ash	im Kanti Dey
	TH-08-84	Applicability analysis of stone column against liquefaction under repeated dynamic events by A D, ganesh Kumar S and Nantha Kumar S	aravind M, Godsc
	TH-08-88	Application of Geosynthetics for Geotechnical Challenges by Ksheeraja AI and Srilatha N	
-	TH-08-89	Effectiveness of Geosynthetic Encased Stone Column Technique for Liquefaction Mitigation Shankar K, Ganesh Kumar S and Bhuvaneshwari S	on by Geever A

		THEME 9 – Numerical and Physical Modelling	LINK 4	
Chairman: Prof. C	tor:Prof. B.V.S. Viswa Chandan Ghosh, IIT Ja S. Rajesh, IITKanpur	anadham, IIT Bombay ammu	-	
15:45 – 16:05	Theme Lecture	he Lecture Investigation of Instabilities in Granular Media and their Numerical Simulationby Vetiver System by Prof. An Prashant, IIT Gandhinagar		
		Paper Presentations		
	TH-09-002	Numerical Analysis of Laterally Loaded Pile near Sloping Ground by Rajeswari B, Teja M and	Kalyan Kumar G	
	TH-09-008	Development of Equivalent Lattice Beam Model for Support System in Tunnels and Caverns by Rishabh Tiwari and Singh U K	using FEM Analysis	
	TH-09-11	Earth Pressures of Soils Partially Replaced with Building Derived Materials for Narrow I Jayatheja M and Anasua GuhaRay	Backfill Condition by	
	TH-09-13	Development of Full-Scale Retaining Wall Model to Evaluate Lateral Earth Pressure R Geofoam by Vikas S P, Mrunmay J and Dasaka S Murthy	Ũ	
	TH-09-14	Prediction of Ultimate Bearing Capacity of Eccentrically Inclined Loaded Strip Footing rest Medium Dense Sand using Generalized Regression Neural Network by Vaibhav Chaudhar Yadav		
	TH-09-16	Optimization of Piled Raft on Sand for Plaza-type Structures by Sharmila B, Balakumar V and	Chandrasekaran S S	
December 18, 2020 16:05 – 17:30	TH-09-20	Development of Calibration Methodology for Earth Pressure Cells for Installation on Full Sca Dinesh B, Mrunmay J and Dasaka S Murthy	le Retaining Wall by	
10.05 - 17.50	TH-09-23	Numerical Simulation of Field Vane Shear Test using Finite Element Method by Anand M H, H and Dodagoudar G R	Pankaj B, Solanki C	
	TH-09-24	Dynamic Stability Analysis of Shallow Triple Tunnel in Rock by Mohammad Zaid and Irfan A S		
-	TH-09-25	Comparison of Flownets for Varying Thickness of Vertical Core Earth and Rockfill Dam under and Steady State Seepage and Its Effect on Stability using Numerical Modeling by Rajesh Kha		
-	TH-09-26	Numerical Analysis of Ring Foundation Fixed with Geogrid by Rahul P S, Dipendra C S and Si	ngh A K	
-	TH-09-28	Numerical Analysis of Bearing Capacity and Settlement Reduction of Bamboo Reinforced Sankar M, Akhil K S, Sankar N and Chandrakaran S	Sand Beds by Ajesh	
	TH-09-29	Distribution and Sharing of Load for Partially Strengthened Floating Granular Piled Raft by Sa Solanki and Jitendra Kumar Sharma	anadhya R R, Ashish	
	TH-09-31	Non-Linear Static Pushover Analysis of Plan Irregular Structure incorporating Soil-Structure Karismita P and Atanu Kumar D	cture Interaction by	

	THEME 1	1 – Dynamics of Soils and Foundations (December 18, 2020)	<u>LINK 5</u>
Chairman: Prof. A	<mark>tor:Dr. D. Neelima Sa</mark> . <mark>Boominadhan,</mark> IIT C Arif Ali Baig, NIT War	Shennai	
15:45 – 16:05	Theme Lecture	Seismic Site characterization and dynamic analysis of pile supported Wharf structure by Dr. D. IIT Indore	Neelima Satyam,
		Paper Presentations	
	TH-11-002	Effect of Strain-Rate on Stress-Strain Behavior of Dredged Material at Different Mois Experimental Study by <i>Tehseena Ali and Mir B A</i>	ture Contents - Ar
	TH-11-003	Effect of Liquefaction on Behavior of Strip Footings on Sands in Roorkee by Manendra Singh a	and Maheshwari B K
	TH-11-004	Plasticity based Liquefaction Susceptibility using Multi-Linear Regression Model by Sufyan G a	and Sunita Kumari
-	TH-11-007	A Case Study of Liquefaction-induced Damages to A Port Building Supported on Pile Foun Kalyan Kumar M and Sahu R B	dation by <i>Monirul M,</i>
	TH-11-009	Behavior of Single Pile Embedded in Multi-Layered Soil Subjected to Dynamic Excitation by Bi	disha B and Arup B
December 18, 2020	TH-11-10	Analysis of Laterally Loaded Single Pile in Cohesionless Soil Considering Nonlinear Soil- Effects by <i>Monirul M, Kalyan Kumar M and Sahu R B</i>	Structure Interaction
16:05 – 17:30	TH-11-16	Evaluation of Liquefaction Potential of Fly Ash and Calibration of Numerical Model by S Sumanta Haldar	Sangeeta Yadav and
	TH-11-19	Seismic Performance of Soft Storey Tall Buildings on Flexible Ground by Niranjan R K and Pra	asad S K
	TH-11-20	A Review on Ground Improvement with Surcharge in Addressing Liquefaction Mitigation by Ark Kumar A	urag S C and Madan
	TH-11-21	Dynamic Behaviour of Pond Ash Mixed with Crumb Rubber by Ashish M and Singh S K	
	TH-11-25	Probabilistic Seismic Response of Soil-Pile Foundation-Structure System: A Substructure bas B and Rajib S	ed Analysis by Rajai
	TH-11-42	Strain Dependent Dynamic Soil Properties for Wide Range of Shear Strains for North East Reg Kumar, Pradeep Kumar D and Muralikrishna A	gion by <i>Shiv Shankai</i>
	TH-11-45	Impact of Vibrations on a High Rise RCC Structure due to Blast Induced Demolition of Adjacer Chandrasekharan S S and Boominathan A	t Building by Akhil A,
19:00 - 20:00		Cultural Program	<u>Link 1</u>

December 19, 2020

		<i>Plenary Session 5</i> (09:00 – 11.15)	Link 1
Chairman: Prof. S	S.R. Gandhi, Director, N	GVPCE, Visakhapatnam IIT Surat Strata Geosystems (India) Pvt. Ltd.	
09:00 - 09:35	Keynote Lecture 11	Limit Equilibrium Analysis and Design of Geosynthetic-Reinforced Fill Walls under Special Co Han, University of Kansas, USA	onditionsby Prof. Jie
09:35 – 10:10	Keynote Lecture 12	Some Aspects of Seismic Soil- Structure Interaction of Lifeline Structures by Prof. M.N. Vilad	kar, IIT Rookee
10:10 – 10:45	Keynote Lecture 13	Reclamation and Ground Improvement of Soft Marine Clay for Development of Offshore Navi Mumbaiby Dr. Kumar Pitchumani, M/s AECOM India Pvt. Ltd.	e Terminal 4, JNPT,
10.45 - 11.15	Keynote Lecture 14	Densification of Loose Sand Below a Large ECRF Dam by Prof. G.V. Ramana, IIT Delhi	
11:1	5 - 11:30	Corporate Presentations: M/s. Garware Wall Ropes Pvt. Ltd. and M/s. MACCAFERRI	Link 1
11:30 – 13:00	00 TECHNICAL SESSIONS		
	THEMES 7 & 13 - For	ensic Geotechnical Engineering & Tunnelling and Deep Excavations	LINK 2
Chairman: Prof. H	ator:Prof. M. Rama Rao I.N. Ramesh, Bangalore T. Thyagaraj,IITMadras	University	
11:30 – 11:50	Theme Lecture	Forensic Study of an Earth Retaining System Failure by Dr. Anil Joseph, M/s Geo Structura	als Pvt. Ltd., Kochi
11:50 – 12:10	Theme Lecture	Analysis of Shotcrete Lining and Estimation of Support Pressure of Sardar Sarovar Undergrou Cavern by Prof. N.K. Samadhiya, IIT Roorkee	und Powerhouse
		Paper Presentations	
12:10 – 13:00	TH-07-001	Engineering Performance of the Foundation of Thanjavur Brihadeeswarar Temple by Arunkumar K	Premalatha K and
	TH-07-004	Forensic Analysis of Retaining Wall Failure by Aravind P S and Neerad Mohan	
	TH-07-006	Re-evaluation of Failure of Silo Tower Foundations by Shiva Bhushan J Y V, Asif Ali Md. and	l Madhav M R

	TH-13-001	Rock Mass Index (RMI) to Estimate the Shear Strength Parameters of the Rockmass: Case Study from Himalaya, Jammu & Kashmir, India by <i>Pratap Chandra D</i>	Lesser			
	TH-13-002	Nonlinear Finite Element Stability Analysis of Tunnel in Sandstone against Blast Load by Zaid Md, Sadique Md. and Masroor Alam Md.	Rehan			
	TH-13-003 Modelling of Diaphragm Wall for Deep Excavation in Sandy Soil by <i>Mandeep Singh and Balesh</i>					
	TH-13-004 The Light at the end of the Tunnel - The Sleemanabad Tunnel by Surendra Singh Pawar					
	TH-13-006	Static and Dynamic Assessment of Tunnel Rock Supports in Weak Rock by Jishnu C, Vineet G, Dhritil and Sreedeep S	ekha D			
	THEMES 5 & 6	- Transportation Geotechnics & Landslides and Slope Stability	<u>3</u>			
Chairman: Prof. S		NIT Warangal aka Engineering College, Mysore& Former Prof., SJCE, Mysore re Engineering Consultants (P) Ltd.,Noida				
	Paper Presentations					
	TH-05-30	Economic Appraisal of Lime and Sugarcane Waste Utilisation in Road Construction by Sagun Gup Prashant Garg	ota and			
	TH-05-36	Experimental Investigation on Stabilization of Silty Sand using Flyash by Balreddy M S, Abhilash K Manjunath H K	E and			
	TH-05-37	An Experimental Study on the Valorization of Crushed Concrete in Pavement Base and Sub-base Applicat Neha S, Rinku M and Ajay Sharma	ions by			
December 19,	TH-05-42	Establishment of Relationships between Compaction Parameters and Oxides Composition of Industrial Materials by Sreekanth Reddy P, Rohan L, Bijayananda M and Hanumantha Rao B	Waste			
2020 11:30 – 13:00	TH-05-44	Cost Economics of Geocell Reinforced Flexible Pavements on Intermediate Compressible Clayey Subgra Satyanarayana Reddy C N V, ViswaTeja T V and Vineel Ch	ides by			
	TH-06-38	Numerical Analysis of Buried Pipelines Located in Slopes by Rishi Ranjan, Anil Kumar C and Awdhesh Kur	mar C			
	TH-06-40	Effect of Shear Modulus on Slope Stability Analysis by Bala Padmaja S, Narasimha Reddy G V and S Reddy E	Saibaba			
	TH-06-43	Different Sets of Remediations for Mitigation of Landslides in Hilly Terrain of India by Panigrahi R K				
	TH-06-44	Influence of Fines Content on Stability of Unsaturated Soil Slopes by Raghuram A S S, Munwar Basha B a Ali Baig	and Arif			

	TH-06-45	Analysis and Design of Veneer Cover Soils with Internal Seeper by Soujanya D and Munwar Basha B	
	TH-06-46	Stability of Sloped Soil Embankment for Seismic and Tidal Load Combination by Amritansh Mishra and Trive	∍di A
	TH-06-47	Monitoring of Landslide in Heavy Rainfall Areas using Low Cost Microcontrollers by Beena K S, Varun Mer and Rooma P J	non O
	TH-06-48	An Experimental Study on Influence of Water Level Fluctuation on Stability of Slope of Model River Composed of Cohesionless Material by <i>Firoz Ali Md, Supia K and Arafat Y</i>	Bank
	TH-06-49	Riverbank Slope Stability Analysis by Snigdha K and Khaund P K	
	٦	THEME 8 – Developments in Ground Improvement LINK 1	
Chairman: Prof.	ator: Dr. A. Murali Kris V. Ramana Murthy, NIT A. Madan Kumar, M/s.		
		Paper Presentations	
	TH-08-95	Stabilization of Artificial Soils Using Waste Marble Dust by Saquib Wani K M N, Mir B A and Ishfaq Rashid S	
	TH-08-96	A Laboratory Study on the Effect of Pine Needles in Stabilizing Artificial Soils by Saquib Wani K M N, Mir B J Ishfaq Rashid S	A and
	TH-08-98	Geopolymer for Pavement Construction: A Review by Rupashree R S and Baidya D K	
	TH-08-99	Black Cotton Soil Stabilization Using Terrasil for Its Expansive Nature by Krupa R K and Parth N L	
December 19, 2020	TH-08-106	Compressibility Characteristics of Guar gum Treated Expansive Soil by Vydehi K V and Arif Ali Baig M	
11:30 – 13:00	TH-08-108	In-Situ Study on Improvement of Soft Ground Using Stone Columns for Railway Embankment by Kishore K B, Srinu Naik B, Eswara Prasad C R and Rama Krishna Raju N	Kumar
	TH-08-110	Influence of Microstructural and Geotechnical Behaviour of Expansive soil Using Ultra-Fine Slag and Ca Chloride by Suresh R and Murugaiyan V	alcium
	TH-08-112	Development of New Grout Mix using Kota Stone Slurry for Sustainable Development by Neha Shrivastava Hemlatha K	a and
	TH-08-117	Influence of TerraZyme on Geotechnical Properties of Clayey Soils by Prasad D S V, Sastry Y M S L Shivanarayana Ch	D and
-	TH-08-118	Experimental Study on Waste Tire Chips-Reinforced Sand using Cyclic Plate Load Test by Sanket R, Ravik and Ashirbad S	ant M

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	TH-08-119	Influence of Crumb Rubber and Polypropylene Fibre on the Behaviour of Cemented Black Cotton Soil by <i>Vineeth Reddy K, Abhishek K and Sowjanya K</i>			
	TH-08-121	Importance of Verticality of PVD in Consolidation Settlement of Prefabricated Vertical Drain-improved Soft Soils by Rai Bahadur R, Sujit Kumar Paland Sanjay paul			
	TH-08-122	Effect of Addition of Scrap Tire Chips in Stabilisation of Clayey Sand by Satyanarayana Redo Srikanth Reddy S and Chandranna K	ly C N V, Tabitha G,		
	TH-08-125	Ground Modification Techniques for Deep Soft Soils Sites in Goa Region by Roshani K M and	Purnanand P S		
	TH-08-127	Strength Characteristics of Kuttanad Soil Stabilized using A Biopolymer Guar Gum by Mohan	R P and Adarsh P		
		THEME 9 – Numerical and Physical Modelling	LINK 4		
Chairman: Prof. H	ator: Prof. B.V.S. Viswa R.G. Robinson, IIT Mad S. Rajesh, IITKanpur				
		Paper Presentations			
	TH-09-36	Reliability Analysis of Settlement of a Foundation resting over a Circular Void by Kumar S, Goutam B	Subhadeep M and		
	TH-09-41	Behavior of Buried Pipelines in Geosynthetics Reinforced Soil Slopes by Soumen N and Awdhesh Kumar C			
	TH-09-42	Parametric Study of Stone Column using PLAXIS 2D by Shruti Roy and Abdhesh kumar Sinha			
	TH-09-45	Time-Dependent Response of Soft Soil under Tilted Storage Tanks by Suhit Chakraborty and Amit Kumar Das			
	TH-09-46	Effect of Seepage Barrier in Steady Seepage below Earthen Dam by Centrifuge Modelli Sibapriya Mukherjee and Gupinath Bhandari	ng by <i>Smita Tung,</i>		
December 19,	TH-09-50	Analysis of 3D Consolidation Settlement of C-¢ Soil using PLAXIS 3D under different Drai Arpan L and Sujit Kumar Pal	nage Conditions by		
2020 11:30 – 13:00	TH-09-52	Studies on Centrifuge Modelling of Rainfall Induced Landslides by <i>Dipankana Bhattacherjee a</i> VS	and Viswanadham B		
	TH-09-53	Studies on the Performance of Pipelines Subjected to Differential Settlements: Numerical stu Viswanadham B V S and Chatterjee S	idy by <i>Vaibhav V N,</i>		
	TH-09-54	Effect of EPS Geofoam on Lateral Earth Pressure Reduction - A Numerical Study by N Satyanarayana Murty D	leeraj kumar B and		
	TH-09-55	Numerical Study on the Effect of Rock-Socketing on Laterally Loaded Piles in the Proximity or Nandhagopal Raja and Muthukkumaran K	f Sloping Ground by		
	TH-09-56	Numerical Analysis on Stability Assessment of Left Bank Rock Slopes, Polavaram Irrigation Kumar P and Muthukkumaran K	Tunnel by Rajendra		
	TH-09-57	Displacement Based Analysis of Retaining Wall with Narrow Backfill under Rotation about Bot <i>G</i> , Satyendra Mittal and Sindhuja A	tom Mode by <i>Srikar</i>		

	TH-09-58	Theoretical Simulation of Experimental Results with Barron's Theory for Consolidation of Soft clay by Rad using PVD by Shrivastava R P and Shroff A V	ial Flow
	THEME 10 – Ge	osynthetics and Reinforced Soil Structures (December 19, 2020)	<u>5</u>
Chairman: Prof. Sa	tor: Prof. Sireesh Sal atyendra Mittal, IIT R Sireesh Saride, IIT I	oorkee	
11:30– 11:50	Theme Lecture	Geocells for Transportation Geotechnical Applications by Prof. G. Madhavi Latha, IISc., Bangalore	
		Paper Presentations	
	TH-10-001	Soil Nail Wall Design using Simplified Charts by Vikas Pratap Singh	
	TH-10-004	Bearing Capacity of Thin Ring Footings on Reinforced Foundation Bed over Soft Ground by Rajyalakshm Madhav M R	ni K and
	TH-10-006	Slope - Reinforcement interactions: Effect of Strength Parameters by Akshay Kumar Jha, Madhav Madh Narasimha Reddy G V	nira and
	TH-10-009	Influence of Excavation Phase on the Performance of Soil Nail System by Krupa H R and Prasad S K	
December 19,	TH-10-10	Dynamic Response of Dry Rubber Tire Chips and Sand Mixture by Amanta A S and Satyanarayana Murty D	
2020 11:50 – 13:00	TH-10-11	Comparative Analysis of Single and Two-Tiered Geosynthetic Reinforced Soil Walls Subjected to D Excitation by Anindita G and Arup B)ynamic
	TH-10-12	Effect of Submergence on Settlement and Bearing Capacity of Sand Reinforced with Pet Bottle Geocell by Vismaya A, Monica Simon and Jayasree P K	
	TH-10-13	Effect of Surface Modification on the Performance of Natural Fibres - A Review by <i>Jiniraj R B, Jayasree I Anusha S P</i>	P K and
	TH-10-14	Comparison of Factor of Safety between LEM and FEM for Geotextile Reinforced Embankment on Foundation by Jigisha V, Atul D, Chandresh S and Babu V S	Difficult
	TH-10-19	Experimental Investigation on Bamboo-made Cellular Mattress Reinforced Fly Ash Beds Overlying Soft Sushovan D, Ankita Kumar and Mandal J N	Clay by
-	TH-10-20	Experimental and Numerical Studies of Three Layered Reinforced Soil Slope under Dynamic Loading Co by Kingshuk Jana, Suman H and Sima G	ondition

Lunch Break (13:00 – 14:00)					
14:00 – 15:45		TECHNICAL SESSIONS (December 19, 2020)			
		THEME 13 - Tunnelling and Deep Excavations	LINK 2		
Chairman: Prof. H	<mark>tor: Prof. Mahendra</mark> I <mark>.N. Ramesh,</mark> Bangald f. G.V. Narasimha Ro				
		Paper Presentations			
_	TH-13-009	Numerical Study on the Influence of In-Situ Stress Ratio on Stress and Deformation Characteristics of Rock Tunnel by <i>Jegadeesh Kumar T and Muttharam M</i>			
	TH-13-10	Numerical Study on Prediction of Behaviour of Braced Excavation in Heterogeneous Soil by Anand M H, Pankaj B, Gothakhindi D S and Solanki C H			
	TH-13-13	Active Earth Pressure Distribution against Braced Wall considering Arching Effects by <i>Kingsl</i> B	nuk Dan and Sahu R		
-	TH-13-15	Investigation on Axial Response of Pile due to Staged Tunneling: A Numerical Approach by <i>Manojit S</i> , <i>Abishek R</i> <i>R</i> and Sawant V A			
	TH-13-16	Comparison of Limiting Equilibrium and Finite Element Analysis for Embedded Retaining Walls by <i>Tehseena Ali</i> and Nazeeh K M			
	TH-13-18	Assessment of Effect of Deep Excavation on Adjacent Structures using Finite Element Analysis by Anand M H, Solanki C H and Dodagoudar G R			
December 19, 2020	TH-13-20	Hazard Assessment of Coal Mines under Impact Loads using Holmquist Johnson -Cook Constitutive Model by Bhat I A, Rupali S and Arvind Kumar			
14:00 – 15:45	TH-13-21	Performance Evaluation of Controlled Blasting and Prediction of Attenuation Relation for Charnockite Rocks by Nitheesh N, Padmanabhan G, Sudipta C and Rao B C P			
	TH-13-22	Geotechnical Assessment of Building Damaged by Tunnelling Works and Suitable Remedial Measures - A Cas Study by Aswathy M S and Vinoth M			
	TH-13-24	Embedded Retention Wall Design Practices- Consequences and Measures by Govind Raj and Madan Kumar A			
-	TH-13-26	Effect of Overburden Pressure and Soil Parameters on Tunnel Induced Ground Settlement by Ch and Sibapriya M and Pitchumani N K			
	TH-13-28	Development of Software for Real Time Instrumentation, Monitoring and Interpretation of Tur Engineering Structures by <i>Heman M, Chaitanya G and Mallika K</i>	nnels and other Civil		
	TH-13-30	Seismic Analysis of Shallow Tunnels in Soil Medium by Ansari Abdullah, Rao K S and Jain A K			
	TH-13-32	Development of Rational Method of Design of Soil Nailing System in Granular Soil by a Satyanarayana Reddy C N V	Nagalakshmi M and		

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	TH-13-34	Numerical Analysis on Interaction of Single Pile Tunnel System by Arnab C and Awdhesh Kumar C Electrical Resistivity Testing along Tunnel Alignment under Lonavla Lake, A Part of Mumbai Pune Expresswa Missing Link Project – A Case Study by Suprio Choudhury, Indrajit B Behavior of Underground Tunnel under Strong Ground Motion by Irfan A S and Mohammad Zaid		
	TH-13-36			
	TH-13-39			
	THEMES 12 & 14 -	- Scour and Erosion & Offshore Geotechnics (December 19, 2020)	LINK 3	
Chairman: Dr. Par	t <mark>or: Dr. Sumanta Hald</mark> t hasarathy, M/s. Sara Sumanta Haldar, IITB	thy Geotech and Engineering Services, Bangalore		
14:00 – 14:20	Theme Lecture	Evaluation of Pavement Stripping using Ground Penetrating Radar – A Case Study by Prof. K.Muthukkumaran , NIT Trichy		
-	Paper Presentations			
	TH-12-004	Feasibility Study on Dispersivity of Lignosulfonate Treated Clay using Pin Hole Test by Sowmya V K and Keerthi S		
	TH-12-006	Effect of Flood Parameters on Lateritic Slope Erosion by Zoheb F, Muhammed S P , Jayasree P K and Jayamohan J		
	TH-12-008	Experimental Study on Scour due to Submerged Vertical Impinging Circular Jet by Rahul S, Sarda V K and Manendra Singh		
-	TH-12-009	Experimental Study on Soil Piping and Effect of Coir Geotextiles on Piping Resistance of Soils by Anjana V P and Niranjana K		
	TH-12-10	Study of Erodability of Cemented Sand by Prakash B, Premalatha K and Sabarishree K		
December 19, 2020	TH-14-003	A Study on the Vertical Pullout Capacity of Suction Caisson Foundation in Sandy and Clayey Soils by Suchit Kumar Patel and Baleshwar S		
14:20 – 15:45	TH-14-004	Pile Group Effect Analysis of a Group of 12 Conductors in an Offshore Jacket Platform by Rupam Mahanta and Ghanekar R K		
-	TH-14-005	Load Sharing Mechanism of Piled Raft System under Vertical and Lateral Loading by Plaban Deb and Sujit kumar Pal		
	TH-14-006	Uncertainty in Capacity of Spudcan Foundation from CPT Data by Deepanjan D and Sumanta Haldar		
	TH-14-007	Seismic Design of Large Offshore Wind Turbine considering Rocking Vibration by Maria J and Sumanta Haldar		
	TH 14-009	Geotechnical Investigation at a Typical Approach Jetty and Intake Well Located Offshore by Naresh D N Sharma V V R and Murthy A B S N		
	TH-14-13	Strain Rate Characterisation of Soft Clay using T-bar by Sneha Sen, Akash Rai and Satyajeet Nanda		
	TH-14-14	Liquefaction Assessment of Gulf of Kutch Offshore Soils using CPTU Data by Sri Harsha G		

	TH-14-15	Calibration of CPTU Factor N _{kt} for Two Recently Explored Areas of Indian Offshore by <i>F Ghanekar R K</i>	Rupam Mahanta and	
	TH-14-18	Prediction of Increase in Offshore Pile Shaft Capacity following Installation using the Coe Consolidation (Ch) by Ramesh G, Parthasarathi C R and Sireesh S	fficient of Horizontal	
		THEME 8 – Developments in Ground Improvement	LINK 1	
Chairman: Prof. E		shna, IIT Tirupati ector, VJIT, Hyderabad &Former Professor, JNTUH s. Keller India Ground Engineering Pvt. Ltd.		
	Paper Presentations			
	TH-08-128	Confined Reinforcement Barrier system for Mitigating Generated Ground Motions in Liquefiable Soils by <i>Vijay Kumar S P and Ganesh Kumar S</i>		
	TH-08-131	Swell-Consolidation Characteristics of Fiber Reinforced Expansive Soil by Greeshma M and Anjana T R		
-	TH-08-132	Soil Stabilization Using Bio-Enzyme: A Review by Ayush Mittal		
-	TH-08-134	Performance Of Vertically Confined Shallow Foundation On Reinforced Sand Under Concentric Loading by Kirtimayee B and Samadhiya N K		
December 19,	TH-08-135	A Study on the Performance of Marine Clay Stabilized with Waste Materials by <i>Srujana A V S A, Hemanadh M,</i> <i>Ravi Kumar K, Preethi S and Srinivas M</i>		
2020 14:00 – 15:45	TH-08-137	Influence of Biopolymer Treatment On Suction Characteristics of Bhavnagar Expansive Soil by Jahnavi P, Vikas Yadav and Saloni P		
-	TH-08-143	Evaluation of the Efficacy of Nylon Fibers and Lime in Improving Metakaolin Modified Expansive Soil by Varaprasad L N V N, Dayakar Babu R and Appanna D		
-	TH-08-147	A Novel Method of On-site Biochar Production from Crop Residues and further Application to Soils for Improvement in Soil Characteristics by Mahendra Pratap Choudhary, Charan H D and Biswajit A		
	TH-08-148	Analytical Studies on the use of Stiffer Drains for soft soil improvement by Viswanadham B V S and Manaswini V		
	TH-08-149	Advances in Bioremediation of Extremely Alkaline Bauxite Residue: Review by Manas Chandan M, Hanumantha Rao B and Swagatika S		
	TH-08-150	Improvement in Strength Behaviour of Dispersive Soil in Presence of Additives by Ramesh H N, Nethravathi S		

		and Durga Prashanth L		
-	TH-08-152	Review of Osmotic and Mechanical Loading on the Behavior of Soft Clays by Ramakrishna P	and Thyagaraj T	
	тне	EME 10 – Geosynthetics and Reinforced Soil Structures	LINK 5	
Chairman: Prof. J.	tor: Prof. Sireesh Sa .T. Shahu, IIT Delhi f. Sireesh Saride, IITI			
		Paper Presentations		
December 19,	TH-10-30	Encased Granular Column as an Advancement over Ordinary Granular column-A Brief Review by Sabreena Md. And Mir B A		
	TH-10-31	Effect of A Coarse Material Sandwich Technique on the Behavior of Geotextile Reinforced Clay by Dayana Arvind E and Vasudevan A K		
	TH-10-33	Finite Element Analysis of Soil Reinforced Canal Tunnel by Archana Singh B and Singh A K		
	TH-10-34	Influence of Footing Size on Reinforcement Geometrical Parameters by Venkatesh B and Thyagaraj T		
	TH-10-35	Effect of Geosynthetic Reinforcement on CBR Strength of Soft Soil-Aggregate System by Gautham, Hussain M and Bhowmic D		
	TH-10-36	Influence of Rainfall on the Interface Shear Strength of Unsaturated Lateritic Soil with Geosynthetics by Dhanya K A, Musaib A and Divya PV		
2020 14:00 – 15:45	TH-10-38	The Behaviour of Multi-Tiered Mechanically Stabilised Earth (MSE) Retaining Wall by Ananya S, Sagar J and Vinay Bhushan C		
	TH-10-40	Performance of Strip Footing on Sand Bed Reinforced with Multilayer Geotextile with Wraparound Ends by Sagar J, Ananya S and Vinay Bhushan C		
-	TH-10-44	A Review Study on Geotechnical Applications of the Construction and Demolition (C&D) Waste by Ajay Sharma and Neha S		
	TH-10-45	Probabilistic Analysis of Reinforced Soil Retaining Structures using FORM and Surrogate based Monte-Carlo Simulation by <i>Ekansh A, Anindya P and Shantanu S</i>		
	TH-10-54	Numerical Study of Multi-Layered Geocell Confined Pavement Subgrade by Arghadeep B and Haradhan S		
	TH-10-55	Use of Geosynthetics as a Soft Structural Measure to Mitigate Flood Hazard and Bank Erosion Problem by Suresh Maurya, Manish Gupta and Chitra R		
	TH-10-58	Sustainability Study on Geosynthetic-Reinforced Retaining Wall Construction by Sateesh P, S	Swetha T and Sanjay	

	TH-10-59	Geo-Composite Drain for Capillary Cut-Off and Horizontal Sub-Surface Drainage in High Uttarakhand - A Case Study by <i>Roychowdhury D</i>	n Altitude Roads In
16:30 – 17:15	Valedictory Function		Link 1