

DAY 1: 07.04.2018 (VENUE: LECTURE HALL COMPLEX, IIT DELHI)

REGISTRATION: 08.00 AM – 09.00 AM (OPEN AREA, LEVEL-1)

INAUGURATION PROGRAM 09.00 AM – 10.00 AM (LH 121, LEVEL-1)

EXHIBITION INAUGURATION followed by HIGH TEA BREAK: 10.00 AM- 10.45 AM (OPEN AREA, LEVEL-3)

PLENARY SESSION I: 10.45 AM – 12.45 PM, HALL NO LH 325 LEVEL 3

Session Chairman: Prof. Tatsuya Ishikawa

Session Co-Chairman: Prof. Sireesh Saride

1. Keynote Lecture 1: 10.45 AM – 11.25 AM (40 MINS)
Prof. E.C. Shin
Title: Surfactant Grout and its application in CIP for Metro Construction project
2. Keynote Lecture 2: 11.25 AM – 12.05 PM (40 MINS)
Prof. Erol Tutumluer
Title: Field Performance Evaluations of Sustainable Aggregate By-product Applications
3. Keynote Lecture 3: 12.05 PM – 12.45 PM (40 MINS)
Prof. Buddhima Indraratna
Title: Track Improvement Concepts, Large Scale Physical Modelling and Case Histories

LUNCH: 12.45 PM – 01.45 PM

PLENARY SESSION II: 01.45 PM – 03.45 PM, HALL NO LH 325 LEVEL 3

Session Chairman: Prof. Sivakumar Babu

Session Co-Chairman: Dr. Ravikiran Vaidya

4. Keynote Lecture 4: 01.45 PM – 02.25 PM (40 MINS)
Prof. Ikuo Towhata
Title: Slope stability, landslides, debris flows and avalanches on hilly roads and remedial measures.
5. Keynote Lecture 5: 02.25 PM – 03.05 PM (40 MINS)
Prof. William Powrie
Title: Effects of Under-Track Crossings on Ballasted High Speed Railway Lines
6. Keynote Lecture 6: 03.05 PM – 03.45 PM (40 MINS)
Prof. Tatsuya Ishikawa
Title: Applicability Evaluation of Slope Disaster Risk Assessment Method in Snowy Cold Regions.

TEA BREAK: 03.45 PM – 04.15 PM

TECHNICAL SESSIONS I, II, III, IV (PARALLEL SESSIONS): 04.15 PM – 06.00 PM

ROOM NOS. - LH 308, LH 310, LH 316, 318 (LEVEL – 3)

TECHNICAL SESSION I: LH 308: 04.15 PM – 06.00 PM: Theme 7

Transport Geotechnics in Complex Underground Construction

Session Chairman: Dr. Atul Nanda

Session Co-Chairman: Dr. Altaf Usmani

- 1. INVITED LECTURE 1: 04.15 – 04.35 PM (20 MINS)**
Dr. Florian Krenn
Title: Geotechnical Design of Underground Infrastructure - Outlining the Observational Approach
- 2. INVITED LECTURE 2: 04.35 – 04.55 PM (20 MINS)**
Dr. Manoj Verman
Title: Challenges of Tunnelling through Himalayas – Status, Pitfalls and Way Forward
- 3. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (5.00-6.00 PM)**

S.No	Paper Title	Authors
1	ISGTI_2017_J3753 CRITICAL EVALUATION ON RETENTION OF FINE SAND THROUGH SOIL NAILING FOR CONSTRUCTION OF RAIL UNDERPASS BY BOX JACKING - A CASE STUDY	KANWAR SINGH, SATYENDRA MITTAL, P.S PRASAD, KISHOR KUMAR
2	ISGTI_2017_Q7484 INFLOW ANALYSIS INTO UNDERGROUND EXCAVATIONS IN JOINTED ROCKMASS	SANTOSH TAKRAS
3	ISGTI_2017_P3429 DEVELOPMENT OF TUNNEL DESIGN IN WEAK PERMO-CARBONIFEROUS GROUND	LIGA LIKAR MELANIJA HUIS, ANDREJ LIKARJAKOB LIKAR
4	ISGTI_2017_C9332 DIRECT SHEAR STRENGTH OF NATURAL ROCK JOINTS	SANDEEP BHARDWAJ K.S.RAO
5	ISGTI_2017_J2180 ANALYTICAL DETERMINATION OF CAPACITY OF PILE USING BASE GROUTING AND SHAFT GROUTING WITH A CASE STUDY FOR INDIAN SCENARIO	SWAPAN K. BAGUI ATASI DAS
6	ISGTI_2017_W7926 FINITE ELEMENT ANALYSIS OF GROUND MOVEMENTS & GEOTECHNICAL CAPACITY LOSS INDUCED DUE TO SHIELD TUNNELS	ANIMESH SHARMA

TECHNICAL SESSION II: LH 310: 04.15 PM – 06.00 PM: THEME 8

Ground Improvement Techniques for Transport Geotechnics

Session Chairman: Prof. C.N.V. Satyanarayan Reddy

Session Co-Chairman: Dr. Anil Sinha

1. INVITED LECTURE 1: 04.15 – 04.35 PM (20 MINS)

Prof. Tjie-Liong GOUW

Title: Case Histories on the application of Vacuum Preloading and Geosynthetics Reinforced Earth in Indonesia.

2. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (04.35 - 6.00 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_M8365 OVERCOMING GEOTECHNICAL CHALLENGES IN RAIL AND METRO PROJECTS USING GROUND IMPROVEMENT	JONATHAN DARAMALINGGAM, MADAN KUMAR ANNAM
2	ISGTI_2017_L9558 STUDY ON PAVEMENT SOIL SUBGRADE PROPERTIES WITH REINFORCED FIBRES	KH. LAKSHMAN SINGH, MANISH JAMATIA
3	ISGTI_2017_A6731 EFFECT OF GRANULAR LAYER STRENGTH AND THICKNESS ON JUTE GEOTEXTILES REINFORCED RURAL ROAD	SOUVIK PATRA ASHIS, KUMAR BERA
4	ISGTI_2017_K4039 EFFECT OF BAGASSE ASH ADMIXTURE ON GEOTECHNICAL PROPERTIES OF SHEDI SOIL IN ADDITION WITH LIME AND SODIUM SALTS	CHEZHAN N RAMESH H N, NETHRAVATHI S
5	ISGTI_2017_Y8288 INFLUENCE OF LIME AND FIBER ON STRENGTH AND CONSOLIDATION CHARACTERISTICS OF EXPANSIVE SOIL	MONOWAR HUSSAIN, SUBHRADEEP DHAR
6	ISGTI_2017_I4117 VARIATION OF CBR VALUES OF LATERITE SOIL MIXED WITH JAROFIX AND LIME	SANTHOSH.G K.S.BEENA
7	ISGTI_2017_O4628 EXPERIMENTAL STUDY ON FLYASH-STABILIZED EXPANSIVE SOIL	NIGADE-SAHA SANJIVANI D, B. V. S. VISWANADHAM
8	ISGTI_2017_C1084 AN ELASTIC VISCO-PLASTIC MODEL FOR SOFT SOIL WITH REFERENCE TO RADIAL CONSOLIDATION	PANKAJ BARAL, BUDDHIMA INDRARATNA CHOLACHAT RUJIKIATKAMJORN
9	ISGTI_2017_M3086 CRITICAL APPRAISAL OF SHEAR STRENGTH PARAMETERS OF IN-SITU SUB-SOIL BY SPT	LAKSHMI MULAGALA, KADAM,ANI LRVAJI
10	ISGTI_2017_U9806 UTILISATION OF WASTE PLASTIC SHREDS FOR STABILISATION OF SOIL	SHWETHA PRASANNA

TECHNICAL SESSION III: LH 316: 04.15 PM – 06.00 PM: THEME 9

Emerging trends in transport Geotechnics – Unsaturated Soil Mechanics, Macro and Nano Technology, Climate Change and Sustainability.

Session Chairman: Prof. K.S. Rao

Session Co-Chairman: Prof. Priti Maheshwari

1. INVITED LECTURE 3: 04.15 – 04.35 PM (20 MINS)

Prof. T. G. Sitharam

Title: Design and Analyses of CHENAB bridge foundations and Abutment Slope stabilisation measures: World's highest elevated Rail Bridge.

2. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (04.35 -6.00 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_Q4902 RELIABILITY ANALYSIS OF PERMEABLE LAYER IN PAVEMENT SUBSURFACE DRAINAGE SYSTEM	SHUBHAM A. KALORE G.L. SIVAKUMAR BABU, RAJIB B. MALLICK
2	ISGTI_2017_N6742 INFLUENCE OF OSMOTIC SUCTION AND TREE ROOTS ON THE STABILITY OF COASTAL SOILS	PUBUDUJAYATHILAKA BUDDHIMA INDRARATNA, ANA HEITOR
3	ISGTI_2017_O5669 PERFORMANCE OF ANN MODEL IN PREDICTING THE BEARING CAPACITY OF SHALLOW FOUNDATIONS	MOZAHER UL KABIRSYED SHADMAN SAKIBISTI AKUR RAHMAN HOSSAIN MD. SHAHIN
4	ISGTI_2017_E8157 INFLUENCE OF SWELLING ON FLEXIBLE PAVEMENTS: A NUMERICAL STUDY	THARA S N ANIRBAN MANDAL, SIVRAM RAM KARUMANCHI
5	GROUND IMPROVEMENT USING INDUSTRIAL WASTE MATERIALS	RESHMI G, ANIRBAN MANDAL
6	BIOENZYMATIC-LIME STABILIZATION OF DIFFERENT SOILS	AMIT JOSHI, C.H. SOLANKI
7	ELASTO-PLASTIC ANALYSIS OF A TUNNEL STRENGTHENED BY GROUTING.	VINOTHKUMAR, M, R.MALATHY
8	OPTIMIZATION OF COST AND FIBRE QUANTITY IN SOIL STABILISATION	P. G. SONAR, S. R. BHAGAT
9	IMPROVEMENT IN GEOTECHNICAL PROPERTIES OF SOIL REINFORCED WITH JUTE FIBER	PARVESH KUMAR, FAYAZ AHMAD MIR
10	LIQUEFACTION COUNTERMEASURES FOR SOIL SUPPORTING EXISTING STRUCTURES: A REVIEW	ADYASHA SWAYAMSIDDHA AMANTA, SATYANARAYANA MURTY DASA KA
11	IMPROVING THE PERFORMANCE OF ORDINARY STONE COLUMN BY GEOTEXTILE ENCASEMENT	ANIL KUMAR CHOUDHARY BINEX KUNJUMON JAGADANAND JHA
12	PERFORMANCE OF GEOCELL REINFORCED FLEXIBLE PAVEMENTS	G. SRIDEVI C. KRISHNARAJU SUDARSHAN GOUDA, SHIVARAJ ANTARATANA
13	UTILIZATION OF CLASS 'C' FLY ASH IN FLEXIBLE PAVEMENT SYSTEM – A REVIEW	AMRUTA R. JOSHI SATYAJIT PATEL , J.T. SHAHU

TECHNICAL SESSION IV: LH 318: 04.15 PM – 06.00 PM: THEME 1

Challenges in Design and Construction of Pavements and Embankments

Session Chairman: Prof. Deepankar Choudhury

Session Co-Chairman: Prof. Ashim Kanti Dey

1. INVITED LECTURE 4: 04.15 – 04.35 PM (20 MINS):

Dr. Sireesh Saride

Title: Performance of Fly ash-Geopolymer Stabilized RAP Bases

2. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (04.35 -6.00 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_O5992 CHALLENGES IN RENOVATION OF EXISTING RUNWAY AND ITS EXTENSION – A CASE STUDY	SATYAJIT ROY RAJESH KHANNA, MAHABIR DIXIT
2	ISGTI_2017_O8319 CHALLENGES OF EMBANKMENT DESIGN TO COMPLY WITH STATUTORY REQUIREMENTS FOR ENVIRONMENT PROTECTION	VIMAL KUMAR K.N. AGRAWAL, A. SRIDHARAN
3	ISGTI_2017_M1910 POTENTIAL OF MARBLE DUST TO IMPROVE THE PHYSICAL BEHAVIOR OF SOIL	ARVIND KUMAR JHA, ANKUSH KUMAR JAINMS. SHIVANSHI
4	ISGTI_2017_A8470 CHALLENGES OF UNBONDED CONCRETE OVERLAY DESIGN USING PAVEMENT MECHANISTIC-EMPIRICAL DESIGN	RAFIQUL A. TAREFDER, GAUHAR SABIH
5	ISGTI_2017_N6982 EVALUATION OF STRESSES IN FLEXIBLE PAVEMENTS USING NON-LINEAR REGRESSION ANALYSIS	PRANAV RT PEDDINTI MUNWAR BASHA, B SIREESH SARIDE
6	ISGTI_2017_J7634 ANALYTICAL PAVEMENT DESIGN FOR SUPER SINGLE TIRES IN PLACE OF DUAL TIRE USING IIT PAVE SOFTWARE WITH A CASE STUDY	SWAPAN BAGUI KAUSHAL VERMA, ATASI DAS
7	ISGTI_2017_F2763 EFFECT OF ROAD MESH REINFORCEMENT IN GRANULAR BASES UNDER REPEATED LOADING	LEKSHMI SUKU, RATNAKAR MAHAJAN, GL SIVAKUMAR BABU
8	ISGTI_2017_L9333 BEHAVIOUR OF COHESIVE SOIL-FLYASH LAYERED MATRIX UNDER CYCLIC LOADING	M. JUNAID KHAN MEHBOOB ANWER KHAN, ALTAF USMANI, KAUSAR ALI
9	ISGTI_2017_N8669 DESIGN MODEL FOR STRENGTH AND LOCATION OF GEOGRIDS FOR ROAD STABILIZATION	PIETRO RIMOLDI, MINIMOL KORULLA

CULTURAL PORGRAM: 06.15 PM – 07.30 PM

BANQUET DINNER: 07.45 PM ONWARDS

DAY 2: 08.04.2018 (VENUE: LECTURE HALL COMPLEX, IIT DELHI)

PLENARY SESSION III: 09.00 AM – 10.35 AM, HALL NO LH 325 LEVEL 3

Session Chairman: Prof. William Powrie

Session Co-Chairman: Dr. Vasant Havanagi

1. Keynote Lecture 7: 09.00 AM – 09.40 AM (40 MINS)
Prof. Sangseom Jeong
Title: Unified Prediction method for the rainfall-induced landslides and debris flows
2. Keynote Lecture 8: 09.40 AM – 10.20 AM (40 MINS)
Prof. G.V. Rao
Title: Application of Natural Fibre Geotextiles in Rural Roads in India
3. Corporate PPT: 9.20 AM – 10.35 AM (15 MINS)
MACCAFERRI ENVIRONMENTAL SOL. PVT LTD (PATRON SPONSOR)

TEA BREAK: 10.35 AM- 11.00 AM (OPEN AREA, LEVEL-3)

PLENARY SESSION IV: 11.00 AM – 12.35 PM, HALL NO LH 325 LEVEL 3

Session Chairman: Prof. Ikuo Towhata

Session Co-Chairman: Dr. Murli Krishna

4. Keynote Lecture 9: 11.00 AM – 11.40 AM (40 MINS)
Dr. Pietro Rimoldi
Title: Design Methods for Base Stabilization of Paved Roads
5. Keynote Lecture 10: 11.40 AM – 12.20 PM (40 MINS)
Prof. Sivakumar Babu
Title: Stochastic Modelling of Flexible Pavement Performance
6. CORPORATE PPT: 12.20 PM – 12.35 PM (15 MINS)
STRATA GEOSYSTEMS

LUNCH BREAK: 12.35 PM – 01.30 PM: (OPEN AREA, LEVEL-3)

TECHNICAL SESSIONS V, VI, VII & VIII (PARALLEL SESSIONS): 01.30 PM – 3.15 PM

ROOM NOS. - LH 308, LH 310, LH 316, LH 318

TECHNICAL SESSION V: LH 308: 01.15 PM – 03.15 PM: THEME 4

Session Chairman: Prof. GVP Prasad Raju

Session Co-Chairman: Dr. R. Ayothiraman

Slope stability, Landslides, Debris flows and Avalanches on hilly roads and remedial measures.

1. INVITED LECTURE 1: 01.15 – 1.35 PM (20 MINS)

Dr. Giorgio Giacchetti

Title: Design Approach to Rockfall related problems

2. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (1.35 – 3.15 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_U5802 USE OF HYBRID GEOSYNTHETICS IN MITIGATING RAINFALL INDUCED SLOPE INSTABILITY	DIPANKANA BHATTACHERJEE B V S VISWANADHAM
2	ISGTI_2017_Q4850 SEISMIC RESPONSE OF A STEEP NAILED SOIL SLOPE: SHAKING TABLE TEST AND NUMERICAL STUDIES	S. SAHOO, B. MANNA, K. G. SHARMA
3	ISGTI_2017_K2922 TAMING THE HILL ROADS – A CASE STUDY	ARUN KUMAR SINGHATASI DAS, ANAND RAGHUVANSHI
4	ISGTI_2017_X4686 ANALYSIS AND DESIGN OF LARGE PORTAL SLOPES UNDER VARYING SITE CONDITIONS	P. CHOUDHARY B.MANNA, A.USMANI
5	ISGTI_2017_B9938 ANALYSIS OF EFFECT OF REINFORCEMENT ON STABILITY OF VERY STEEP SLOPES	AKSHAY KUMAR JHA MADHAV MADHIRA, G.V. N. REDDY
6	ISGTI_2017_I5511 STEEP SLOPE STABILIZATION UNDER SATURATED CONDITIONS	R. BESRA, A.USMANI, V.K.PANWAR
7	ISGTI_2017_F4285 A COMPARISON OF 1D AND 2D SPATIAL VARIABILITY IN PROBABILISTIC SLOPE STABILITY ANALYSIS	RUBI CHAKRABORTY ARINDAM DEY
8	ISGTI_2017_L9496 GEOTECHNICAL EVALUATION OF A LANDSLIDE IN THE LESSER HIMALAYAS	RAVI SUNDARAM, SORABH GUPTA , RUDRA BUDHBHATTI Kinjal Parmar
9	ISGTI_2017_H3173 STABILITY ASSESSMENT OF ROCK SLOPE AND DESIGN OF ROCK SLOPE REINFORCEMENT	KALLAM NAVEEN REDDY, ADAPA MURALI KRISHNA
10.	ISGTI_2017_H1420 STABILITY ASSESSMENT OF REINFORCED ROCK SLOPE BASED ON TWO-DIMENSIONAL FINITE ELEMENT APPROACH: A HIMALAYAN CASE STUDY	ASWATHI CK AMALESH JANA ARINDAM DEY SREEDEEP S
11.	ISGTI_2017_V1955 LANDSLIDE & ROCKFALL MITIGATION WORKS IN UTTARAKHAND – CASE STUDY	PANKAJKR.MOURYA, MINIMOL KORULLA, SHABANA KHAN, Ankit Kachhal
12.	ISGTI_2017_I6162 SOIL NAILING FOR FAILED SLOPE STABILIZATION ON HILLY TERRAIN	SHUVRANSHU KUMAR ROUT, MANOS DE, ANUP KUMAR MANDAL, Biswajit Das

TECHNICAL SESSION VI: LH 310: 01.15 PM – 03.15 PM: THEME 3

Advances in Bridge Foundations, Waterways, Airfields and Pipeline transport Geotechnics.

Session Chairman: Prof. D. K. Baidya

Session Co-Chairman: Dr. B. Manna

1. INVITED LECTURE 1: 01.15 – 1.35 PM (20 MINS)

Prof. Hongwei Huang

Title: Smart Sensing on Tunnel Defects by Artificial Intelligence.

2. INVITED LECTURE 1: 35 – 1.55 PM (20 MINS)

Dr. Mahesh Tandon

Title: Bridge foundations in strata with potential of liquefaction.

3. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (2.00 – 3.15 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_F2974 DESIGN AND CONSTRUCTION APPROACH OF MARINE ROCK SOCKETTED PILES FOR AN OIL JETTY PROJECT	S. GURNANI, K. R.VINJAMURI A.USMANI, C. SINGH
2	ISGTI_2017_C4524 CONTROLLING SOIL AND WATER ACIDITY IN ACID SULFATE SOIL TERRAINS USING PERMEABLE REACTIVE BARRIERS	SUBHANI MEDAWELA, BUDDHIMA INDRARATNA UDESHINI PATHIRAGE, ANA HEITOR
3	ISGTI_2017_V5866 EFFECT OF FIELD BENDS ON THE RESPONSE OF BURIED PIPELINES CROSSING STRIKE-SLIP FAULT	GAUTAM S NAIR, SURESH R DASH, GOUTAM MONDAL
4	ISGTI_2017_H9579 RESPONSE OF PILE FOUNDATION IN ALTERNATE LIQUEFYING AND NON-LIQUEFYING LAYERS IN SPREADINGGROUND	PRAVEEN HUDED M , SURESH R DASH
5	ISGTI_2017_L9351 EFFECT OF PILED STRUCTURES ON THE TUNNEL STABILITY FOR DIFFERENT PILE-TUNNEL CONFIGURATIONS	M. WASIF NAQVI MOHD. AHMADULLAHFAROOQI
6	ISGTI_2017_B3819 EFFECT OF UNDERGROUND BLAST ON UNDERLYING GROUND MEDIA BELOW SUBSTRUCTURE	RANJAN KUMAR KAPILESH BHARGAVA DEEPANKAR CHOUDHURY
7	ISGTI_2017_G9335 RAILWAY STRUCTURE PILE DESIGN COMPARISON CONSIDERED WITH THE DIFFERENCE OF JAPAN AND INDIA.	TORAJIRO FUJIWARA, LALIT KUMAR, JUNYASAWAME, SUGURUIKEJIMA
8	ISGTI_2017_P5157 NUMERICAL STUDY ON CYCLIC SHEAR BEHAVIOR OF SOIL-GEOSYNTHETICSINTERFACE	R. ROY, H. Venkateswarlu A. HEGDE
9	ISGTI_2017_S6219 USE OF ECO-FRIENDLY MATERIAL FOR DRAINAGE AND FILTRATION IN REINFORCED SOIL WALLS – A CASE STUDY	M. V. SURESH, RATNAKAR R. MAHAJAN, KINJAL PARMAR

TECHNICAL SESSION VII: LH 316: 01.15 PM – 03.15 PM: THEME 6

Use of Geosynthetics and Non Traditional Materials in Transport Geotechnics

Session Chairman: Dr. Pietro Rimoldi

Session Co-Chairman: Mr. Ratnakar Mahajan

1. INVITED LECTURE 1: 01.15 – 1.35 PM (20 MINS)

Mr. Shahrokh Bagli

Title: Challenges in design and construction of pavements and embankments.

2. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (1.40 – 3.15 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_Y1101 THE USE OF UNDER SLEEPER PADS TO IMPROVE THE PERFORMANCE OF RAIL TRACKS	CHAMINDI JAYASURIYA BUDDHIMA INDRARATNA, FERNANDA BESSA FERREIRA
2	ISGTI_2017_C1878 INVESTIGATIONS ON GEOSYNTHETIC ENCAPSULATED BALLAST UNDER REPEATED LOADING	UNNIKRISHNAN, N.SONY SANJEEV
3	ISGTI_2017_G6611 INCORPORATION OF THE INFLUENCE OF HEXAGONAL STABILISATION GEOGRIDS INTO MECHANISTIC-EMPIRICAL PAVEMENT DESIGN METHOD	MIKE HORTON, PIOTR MAZUROWSKI TIMOTHY OLIVER
4	ISGTI_2017_L7673 USE OF GLASS GRID AND SAMI AS REINFORCED INTERLAYER IN RUNWAY	SATYAJIT ROY, MAHBIR DIXIT
5	ISGTI_2017_P5374 INTERFACE BEHAVIOR OF GEOGRID-REINFORCED SUB-BALLAST: LABORATORY AND DISCRETE ELEMENT MODELING	NGOC TRUNG NGO BUDDHIMA INDRARATNA
6	ISGTI_2017_D5347 ANALYTICAL MODELLING OF INDIAN-MADE BIODEGRADABLE JUTE DRAINS FOR SOFT SOIL STABILIZATION: PROGRESS AND CHALLENGES	KIRTICHOUDHARY, CHOLACHAT RUJIKIATKAMJORN, BUDDHIMA INDRARATNA.P.K. CHOUDHURY
7	ISGTI_2017_A1839 CHARACTERIZATION OF CEMENT STABILISED FLYASH FOR USE AS STRUCTURAL LAYER IN RURAL ROAD PAVEMENTS	ANUSREE BHOWMIK UMESH CHANDRA SAHOO
8	ISGTI_2017_S5655 EXPERIMENTAL STUDY ON GEOCELL AND OF FIBER REINFORCED SOIL SUB-GRADE UNDER STATIC AND REPETITIVE LOAD	ADEPU RAMESH CH. NAGESHWAR RAO, M. KUMAR
9	ISGTI_2017_J4284 LABORATORY PERFORMANCE EVALUATION OF NEW TYPES OF JUTE GEOTEXTILES FOR RURAL ROADS	MAHUYA GHOSH.G.VEKATAPPA RAO, U. S. SARMA
10	ISGTI_2017_R4773 THE INFLUENCE OF RUBBER CRUMBS ON THE ENERGY ABSORBING PROPERTY OF WASTE MIXTURES	YUJIE QI, BUDDHIMA INDRARATNA , ANA HEITOR JAYAN S. VINOD

TECHNICAL SESSION VIII: LH 318: 01.15PM – 03.15 PM: THEME 8

Ground Improvement Techniques for Transport Geotechnics

Session Chairman: Ms. Minimol Korulla

Session Co-Chairman: Ms. Aarti Bhargava

1. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (1.15 – 3.15 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_S3144 USE OF DYNAMIC COMPACTION IN CONSTRUCTING SUBGRADES OVER RECLAIMED FILLS	SAPTARSHI KUNDU B.V.S. VISWANADHAM
2	ISGTI_2017_G6587 A COMPARATIVE STUDY OF DESIGN AND CONSTRUCTION PRACTICE OF STONE COLUMN	SUPRIT JAKATI, ANIRUDHA JOSHI, YASHWANT A KOLEKAR
3	ISGTI_2017_N5042 PERFORMANCE ANALYSIS OF PLAXIS MODEL SOF STONE COLUMNS IN SOFT MARINE CLAY	M.VINOTH, P.S.PRASAD, U.K. GURU VITTAL
4	ISGTI_2017_V8999 STRENGTHENING LOW PLASTIC SOILS USING MICRO FINE CEMENT THROUGH DEEP MIXING METHODOLOGY	PARTH SHAH, MANISH SHAH ABHAY GANDHI
5	ISGTI_2017_W1883 MODEL TESTS TO DETERMINE LATERAL LOAD CAPACITY OF HELICAL PILES EMBEDDED IN SAND	SWETA DAVE , MOHIT SONI
6	ISGTI_2017_U7785 CONTACT PRESSURE DISTRIBUTION IN GEOCELL REINFORCED RURAL ROADS	VIJAY KUMAR, RAYABHARAPU, SIREESH SARIDE
7	ISGTI_2017_K3925 DEVELOPMENT OF FREEZE-THAW WATER RETENTION TEST APPARATUS FOR COARSE GRANULAR MATERIALS.	TOMOYUKI AOYAGI YANG JIAQIANG SHINGOMATSUTANI ISHIKAWA TATSUYATAKAHISANAKAMURA YOSHITSUGU MOMOYA
8	ISGTI_2017_I5469 STUDY ON STRENGTH AND VOLUME CHANGE BEHAVIOUR OF EXPANSIVE SOIL USING NON-TRADITIONAL (BIO-ENZYME) AND TRADITIONAL (LIME& BAGASSE ASH) STABILIZERS	SRINIVAS F. CHITRAGAR, CHANDRASHEKHAR B. SHIVAYOGINATH, RAVIRAJ H. MULANGI
9	ISGTI_2017_H5768 USE OF GEOSYNTHETICS IN MITIGATING THE EFFECTS OF MUD-PUMPING: IN THE CONTEXT OF RAILWAY ENGINEERING	MANDEEP SINGH, BUDDHIMA INDRARATNA, CHOLACHAT RUJIKIATKAMJORN
10	ISGTI_2017_S6507 ASPHALT REINFORCEMENT IN THE REHABILITATION OF A CONCRETE ROAD PAVEMENT IN BRAZIL	GRAHAM THOMSON FABIANA LEITE-GEMBUS CASSIO ALBERTO TEORO DO CARMO
11.	ISGTI_2017_J8937 VOLUME COMPRESSIBILITY AND PORE PRESSURE RESPONSE OF KUTCH SOILS WITH VARYING PLASTIC AND NON-PLASTIC FINES	MAJID HUSSAIN, AJANTA SACHAN
12	ISGTI_2017_G4844 SUSTAINABLE LANDSLIDE MITIGATION MEASURES – A CASE STUDY ON LAMBAGARH	PRAVEEN KUMAR MINIMOL KORULLA, SAURABH CHAURASIA

EVENING TEA BREAK: 3.15 – 3.45 PM

TECHNICAL SESSIONS IX, X, XI & XII (PARALLEL SESSIONS): 03.45 PM – 5.15 PM

ROOM NOS. - LH 308, LH 310, LH 316, LH 318

TECHNICAL SESSION IX: LH 308: 03.45 PM – 05.15 PM: THEME 2

Design and Construction of Substructures for Highways, High speed Railway and Metro projects.

Session Chairman: Mr. Shahrokh Bagli

Session Co-Chairman: Dr. Anil Joseph

1. INVITED LECTURE 1: 03.45 – 4.05 PM (20 MINS)

Prof. J.T.Shahu

Title: Evaluation of geosynthetic reinforced tracks on clayey subgrade.

2. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (4.10 – 5.15 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_H5682 COMPARISON OF BREAKAGE MODELS FOR COARSE GRANULAR MATERIALS WITH SPECIAL REFERENCE TO RAILWAYS	RAKESH SAI MALISETTY BUDDHIMA INDRARATNA , JAYAN S. VINOD
2	ISGTI_2017_K4437 CRITICAL APPRAISAL OFFOUNDATION AND SUBSTRUCTURE CODE FOR HIGHWAY BRIDGES (IRC:78-2014)	ALOK BHOWMIK
3	ISGTI_2017_R8919 DYNAMIC ANALYSIS ON MULTILAYER OF COHESIONLESS SOIL SUBGRADE OF RAILWAY TRACK WITH PLAXIS AND MATLAB	R. K. BHARTI, SCIENTIST 'B' MAHABIR DIXIT, SCIENTIST 'E'
4	ISGTI_2017_R3415 A REVIEW ON VIBRATION GENERATION DUE TO SUBWAY TRAIN AND MITIGATION TECHNIQUES	NAVEEN KUMAR KEDIA ANIL KUMAR
5	ISGTI_2017_I8284 FLEXURAL RESPONSE OF RAILS ON VISCO-ELASTIC FOUNDATIONS UNDER MOVING LOADS	PRITI MAHESHWARI SHASHANK BHATRA
6	ISGTI_2017_K7871 EXCESS PORE WATER PRESSURE GENERATION AND MUD PUMPING IN RAILWAYS UNDER CYCLIC LOADING	ARUNI ABEYWICKRAMA BUDDHIMA INDRARATNA CHOLACHAT RUJIKIATKAMJORN
7	ISGTI_2017_A5548 CONSTRUCTION OF CROSS PASSAGES COMPLETELY SUBMERGED UNDER GROUND WATER	AYUSH RAJ, ASHWANI KUMAR, RAJESH KUMAR MITTAL

TECHNICAL SESSION X: LH 310: 03.45 PM – 05.15 PM: THEME 5

Sub-surface sensing, Investigations and Monitoring in Transport Geotechnics

Session Chairman: Prof. H.N.Ramesh

Session Co-Chairman: Prof. H.K. Mahiyar

1. INVITED LECTURE 3.45 – 4.05 PM (20 MINS)

Dr. Sanjay Gupta

Title: Seasonal Variations in Properties of Expansive Soils along Railway Corridor in Western India

2. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (4.10 – 5.15 PM)

1	ISGTI_2017_K9322 GEOTECHNICAL DESIGN PARAMETERS FOR A METRO TUNNEL FROM PRESSUREMETER TESTS	RAVI SUNDARAM, SANJAY GUPTA, SORABH GUPTA, BHAJAN LAL
2	ISGTI_2017_P7963 NON DESTRUCTIVE INTRINSIC SELF SENSING METHOD FOR HEALTH MONITORING OF SUB AND SUPER STRUCTURES	VINOTHKUMAR M DR.R.MALATHY
3	ISGTI_2017_R5314 INCREASING MECHANISED BALLAST RENEWAL OUTPUT USING GROUND PENETRATING RADAR (GPR)	SILKY AGRAWAL, AMIT PRASHANT, RAGHVENDRA PRATAP SINGH
4	ISGTI_2017_N7924 CAPTURING PAVEMENT PERFORMANCE OF AN INSTRUMENTED PAVEMENT SECTION UNDER FWD LOADING	ZAFRUL H KHAN, RAFIQU L A TAREFDER
5	ISGTI_2017_L5991 MECHANICALLY STABILIZED EARTH WALL WITH CONCRETE PANEL FACING AND GEOSTRIPREINFORCEMENT: INSTRUMENTATION AND DATA INTERPRETATION SUMMARY	SACHIN MANDAVKAR, DOV LESCHINSKY, GIULIA LUGLI, MINI KORULLA, RUDRA BUDHBHATTI
6	ISGTI_2017_H9315 EVALUATION OF PERFORMANCE OF THE ROADMESH REINFORCEMENT PAVEMENT AT TRIAL STRETCH ON CHITA-KHABAROVSK AUTOROAD	USHAKOV VICTOR, INSHAKOV ALEKSANDER
7	ISGTI_2017_J5269 USE OF GROUND PENETRATING RADAR (GPR) AS AN EFFECTIVE TOOL IN ASSESSING PAVEMENTS.	RUCHITA SALVI, AJINKYA RAMDASI, YASHWANT KOLEKAR LATA V BHANDARKAR

TECHNICAL SESSION XI: LH 316: 03.45 PM – 05.15 PM: THEME 6

Use of Geosynthetics and Non Traditional Materials in Transport Geotechnics

Session Chairman: Prof. Satyendra Mittal

Session Co-Chairman: Mr. Sorabh Gupta

1. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (3.45 – 5.15 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_Y8189 REVIEW ON COMPACTION AND SHEARING-INDUCED BREAKAGE OF GRANULAR MATERIAL	MIRIAM TAWK BUDDHIMA INDRARATNA CHOLACHAT RUJIKIATKAMJORN ANA HEITOR
2	ISGTI_2017_E3049 IMPROVED PERFORMANCE OF RAILROAD BALLAST USING GEOGRIDS	CHUHAO LIU, NGOC TRUNG NGO, BUDDHIMA INDRARATNA
3	ISGTI_2017_I3742 STABILISATION OF STIFFER RAIL TRACK SUBSTRUCTURE USING ARTIFICIAL INCLUSION	SINNI AH K. NAVARATNARAJAH BUDDHIMA INDRARATNA
4	ISGTI_2017_A2828 RED MUD - FLY ASH MIX AS AN EMBANKMENT FILL MATERIAL	PARVATHI GEETHA, SREEKANTAN ANIL KUMAR SINHA, VASANT HAVANGI
5	ISGTI_2017_Q9089 JAROFIX WASTE MATERIAL IN EMBANKMENT CONSTRUCTION	A.K.SINHA VASANT G.HAVANAGI
6	ISGTI_2017_K7187 SETTLEMENT PERFORMANCE OF GEOGRID-STABILISED SUB-BALLAST USING SIMULATED HIGH-SPEED RAIL FORCES	M HORTON. Z YU, D P CONNOLLY.
7	ISGTI_2017_G5869 INFLUENCE OF CRACK DEPTH ON PERFORMANCE OF GEOSYNTHETIC REINFORCED ASPHALT OVERLAYS	VINAY KUMAR V SIREESH SARIDE
8	ISGTI_2017_Y8456 GEOGRID REINFORCED SOIL WALLS WITH MARGINAL BACKFILLS SUBJECTED TO RAINFALL: NUMERICAL STUDY	MIDHULA JAYANANDAN B.V.S. VISWANADHAM
9	ISGTI_2017_U9172 EFFECTS OF STABILIZATION ON ENGINEERING CHARACTERISTICS OF FLY ASH AS PAVEMENT SUBBASE MATERIAL	DEEPTI PATEL, DR. RAKESH KUMAR, DR. KRUPESH CHAUHAN, DR. SATYAJIT PATEL
10	ISGTI_2017_J9818 LABORATORY CHARACTERIZATION OF BITUMINOUS PAVEMENTS REINFORCEMENT WITH SYNTHETIC INTERLAYERS USING FATIGUE FLEXURE TESTING	P. PEZZANO, C. SANGIORGI P. TATARANNI, N. BONUCCHI, C. LANTIERI

TECHNICAL SESSION XII: LH 318: 03.45 PM – 05.15 PM:

TRANSPORTATION GEOTECHNICS

Session Chairman: Dr. C.R. Parthsarathy

Session Co-Chairman: Prof. K. Mutthukumaran

1. ORAL PRESENTATIONS: EACH PAPER : 08 MINS (3.45 – 5.15 PM)

S.No	Paper Title	Authors
1	ISGTI_2017_L2239 A CRITICAL REVIEW ON EVALUATION OF PAVEMENT DRAINAGE SYSTEMS	MUSTAFA A. GHASIA, YOGESH U. SHAH, VEERABHADRA ROTTE
2	ISGTI_2017_S3299 LABORATORY AND FEM STUDY ON CONSTRUCTION & DEMOLITION WASTE AND FLY ASH FOR USE AS A PAVEMENT MATERIAL	ROHAN R. DESHMUKH, SATYAJEET PATEL, J.T. SHAHU
3	ISGTI_2017_Y8744 COMPARISON OF STRENGTH OF RECYCLED BITUMINOUS PAVEMENT IN DESIGN AND AFTER EXECUTION	YASH PANDEY, ATASI DAS
4	ISGTI_2017_P3630 SOIL TREATMENT WITH LIME FOR FINE CLAYEY SOILS: AN ECONOMICAL SOLUTION FOR SUBGRADE, SUB BASE, BASE & CAPPING LAYERS	DENAYER CHRISTOPHETE BALDI GABRIELE, AMIT KUMAR, LARISA CRISTINA SOPORAN
5	ISGTI_2017_S9365 ANALYSIS OF CHAWRI BAZAR AREA TUNNEL OF DELHI METRO	SANDEEP BHARDWAJ K. G. SHARMA
6	ISGTI_2017_T1769 ANALYSIS OF SLOPE FAILURES ON SAGAM-INDERWAN ROAD AND SUGGESTED REMEDIAL MEASURES	MUZAMILLAH MOHI-UD-DIN F.A.MIR
7	ISGTI_2017_P1388 PERFORMANCE-BASED PROCEDURE FOR PREDICTION OF LATERAL RESISTANCE OF SLOPE STABILIZING PILES	SAJID IQBAL
8	ISGTI_2017_Q8548 USE OF JUTE GEOTEXTILE IN STRENGTH ENHANCEMENT OF SOFT SUBGRADE SOIL	SHALINEE SHUKLA RAM PRAKASH TIWARI, VAISHALI RAJBHAR AYUSH MITTAL
9	ISGTI_2017_M1232 FLEXIBLE PAVEMENT REINFORCED WITH PLANER REINFORCEMENT - EXPERIMENTAL STUDY	G. NARENDRA GOUD B. UMASHANKAR
10	ISGTI_2017_F4312 MODEL STUDY ON RE WALL USING MUNICIPAL SOLID WASTE AS BACKFILL MATERIAL	KINJAL H. GAJJAR M.V. SHAH, ALPA J. SHAH

VALEDICTORY SESSION AND AWARD DISTRIBUTION CEREMONY

5.15 – 6.00 PM.