

**Third Indian Young Geotechnical Engineers Conference  
(3IYGEC), 25-26, March 2011, CRRI, New Delhi**  
Venue: Auditorium, Central Road Research Institute, Mathura Road,  
New Delhi

**Program Schedule**

<b>25<sup>th</sup> March 2011 (Friday)</b>	
7.30 am –8.15 am	<b>Break fast</b>
8.00 am –9.00 am	<b>Registration</b> (The registration counter will be closed at 1.00 pm)
9.00 am –10.00 am	<b>Opening Ceremony</b> <b>Chief Guest: Dr. Gangopadhyaya, Director, CRRI</b> <b>Guest of Honor: Prof. K.S. Rao, President IGS</b>
10.00 am –10.30 am	<b>High Tea</b>
<b>Technical Session I (10.30 am –1.00 pm)</b> <b>Chairman: Prof. K.S. Rao</b> <b>Co Chairman: Dr. Atul Nanda</b> <b>Session Coordinator: Mr. Manish Gupta</b>	
10.30 am –10.50 am (20 min)	<b>Plenary Lecture 1</b> Title: Environmental Geotechnics for Closure of High MSW Waste Dumps <i>Speaker: Prof. Manoj Datta</i>
10.50 am –11.10 am (20 min)	<b>Plenary Lecture 2</b> Title: The Fascinating World of Underground Space <i>Speaker: Mr. Rajan K. Pillai</i>
<b>Theme 2: Paper presentations by Young Geotechnical Engineers (11.10 am –1.00 pm)</b>	
11.10 am – 11.20 am	Paper ID : 102: CBR characteristics of soft clay stabilised with fly ash in admixed and overlay form by <b>M.V.S.Sreedhar, M.Sujan</b>
11.20 am – 11.30 am	Paper ID : 107: Influence of vertical Geodrain with soil structure effects on consolidation characteristics of kaolinitic clay by <b>Manish V. Shah, A. V. Shroff</b>
11.30 am – 11.40 am	Paper ID : 114: Group action of stone column on load-deformation characteristics by experimental model by

	<b>Karan B. Mistry, A.V.Shroff</b>
11.40 am – 11.50 am	Paper ID : 123: Migration of sulphate in soil under different conditions by <b>Deendayal Rathod, P.V.Sivapullaiah</b>
11.50 am – 12.00 pm	Paper ID : 129: Effect of water content on the properties of Kuttanad clay by <b>Suganya, K. Sivapullaiah, P. V.</b>
12.00 pm – 12.10 pm	Paper ID : 132: Utilization of industrial steel slag for construction of road by <b>Samitinjay Sadashivrao Bansode, Shubhada S. Koranne</b>
12.10 pm – 12.20 pm	Paper ID : 141: Evaluation of interfacial frictional resistance in oblique direction by <b>Vangla Prashanth, A. Murali Krishna</b>
12.20 am – 12.30 pm	Paper ID : 144: Experimental studies on load-settlement behaviour of stone columns made of waste tyre chips by <b>Soumya S, Ayothiraman R</b>
12.30 pm – 12.40 pm	Paper ID : 146: Influence of cyclic load on lateral deflection of the pile in the marine environment by <b>Nanda Kishore Y, Narasimha Rao S, J S Mani</b>
12.40 pm – 12.50 pm	Paper ID : 148: Prediction of stress-strain response of plastic waste mixed soil using constitutive model by <b>Sandeep K. Chouksey, G. L. Sivakumar Babu</b>
12.50 pm – 1.00 pm	Concluding remarks by session chairs
<b>Technical Session I closed</b>	
1.00 pm –2.00 pm	<b>Lunch Break</b>
<b>Technical Session II (2.00 pm –3.30 pm)</b> <b>Chairman: Mr. Murari Ratnam (CSMRS)</b> <b>Co-Chairman: Mr. Jai Bhagwan</b> <b>Session Coordinator: Dr. R. Ayothiraman</b>	
02.00 pm –02.20 pm (20 min)	<b>Plenary Lecture 3</b> Title: Geotechnical Problems, Design and Construction of Cofferdam on Narmada River for Indira Sagar Project. (A Case - Study) <i>Speaker: Er. Mahavir Bidasaria</i>
02.20 pm –02.40 pm (20 min)	<b>Plenary Lecture 4</b> Title: Instrumentation and Interpretation of Data for Dams <i>Speaker: Dr. V.M. Sharma</i>
<b>Themes 2 and 3: Paper presentations by Young Geotechnical Engineers (2.40 pm –3.30 pm)</b>	
2.40 pm – 2.50 pm	Paper ID : 150: Effect of loading mechanism on plate load

	test results by <b>Aniruddh Jain</b>
2.50 pm – 3.00 pm	Paper ID : 158: Economical Design and Development of Unpaved Roads using Geogrid by <b>Shubangi Shekokar</b>
3.00 pm – 3.10 pm	Paper ID : 103: Simplified approach to ground improvement by <b>Atasi Das</b>
3.10 pm – 3.20 pm	Paper ID : 105: Analysis, design and construction of large shafts in lateritic soils by <b>A.Usmani, A.Nanda, S.K. Jain</b>
3.20 pm – 3.30 pm	Concluding remarks by session chairs
<b>Technical Session II closed</b>	
3.30 pm – 4.00 pm	<b>Tea Break</b>
4.00 – 7.00 pm	<b>JOB FAIR (parallel to technical session III follows)</b>
<b>Technical Session III (4.00 pm – 6.00 pm)</b> <b>Chairman: Mr. Sanjay Gupta</b> <b>Co-Chairman: Dr. J.T. Shahu</b> <b>Session Coordinator: Dr. Altaf Usmani</b>	
4.00 pm – 4.20 pm (20 min)	<b>Plenary Lecture 5</b> Title: Rock Mass Characterization For Engineering Design <i>Speaker: Prof. T. Ramamurthy</i>
4.20 pm – 4.40 pm (20 min)	<b>Plenary Lecture 6</b> Title: Current Status and Future Scenarios of Hydropower in India <i>Speaker: Mr. Murari Ratnam</i>
4.40 pm – 5.00 pm (20 min)	<b>Plenary Lecture 7</b> Title: Engineering for the Nakheel Tower, Dubai <i>Speaker: Dr. Manoj Verman</i>
<b>Theme 3: Paper presentations by Young Geotechnical Engineers (2.20 pm – 3.30 pm)</b>	
5.00 pm – 5.10 pm	Paper ID : 111: Nonlinear response of pile foundations under horizontal excitation acting at different location of pile cap-loading system by <b>B. Manna, D. K. Baidya</b>
5.10 pm – 5.20 pm	Paper ID : 113: Challenges in design of shallow foundation system having expansive shale at founding levels by <b>Sushma B.V.</b>
5.20 pm – 5.30 pm	Paper ID : 117: Amplification factor from Intensity map and site response analysis for soil sites during 1999

	Chamoli earthquake by <b>Anbazhagan, Abhishek Kumar, Sitharam T G</b>
5.30 pm – 5.40 pm	Paper ID : 120: Precast Reinforced Concrete Arch and Box Structures by <b>Heman Manchanda</b>
5.40 pm – 5.50 pm	Paper ID : 126: Evaluation of Thickness and Structural Characters of Pavement using Ground Penetrating Radar (GPR) and Multichannel Analysis of Surface Wave (MASW) by <b>P. Anbazhagan, Kumar.V, Deepu Chandran, Sathish H.S</b>
5.50 pm – 6.00 pm	Paper ID : 134: Electrical resistivity technique for ground characterization – A case study by <b>V. K. Kanaujia, U. K. Guruvittal, J. Ganesh, Sudhir Mathur</b>
6.00 pm – 6.10 pm	Concluding remarks by session chairs
<b>Technical Session III closed</b>	

<b>26<sup>th</sup> March 2011 (Saturday)</b>	
7.30 am – 8.30 am	<b>Breakfast</b>
<b>Technical Session IV (9.00 am – 11.00 am )</b> <b>Chairman: Dr. D. N. Naresh (NTPC)</b> <b>Co Chairman: Dr. Vasant Havanagi</b> <b>Session Coordinator: Dr. M. Basha</b>	
9.00 am – 9.20 am (20 min)	<b>Plenary Lecture 8</b> Title: -- <i>Speaker: Mr. Chengalath</i>
9.20 am – 9.40 am (20 min)	<b>Plenary Lecture 9</b> Title: Indian Experience on use of Equipment for Shotcrete with and without Fibres and Various Types of Admixtures <i>Speaker: Dr. D.G. Kadkade</i>
<b>Themes 1 and 3: Paper presentations by Young Geotechnical Engineers</b> <b>(9.40 am – 11.00 am)</b>	
9.40 am – 9.50 am	Paper ID : 139: Effect of lateral movement of soil in Diaphragm wall - A case Study by <b>Sivapriya S.V, S.R.Gandhi, R.Sundaravadivelu</b>
9.50 am – 10.00 am	Paper ID : 157: Static and Dynamic Pile Load Testing of

	Bored Cast-in Situ Piles by <b>Senthilnath, G.T.</b>
10.00 am – 10.10 am	Paper ID : 104: Pseudo-dynamic seismic stability analysis of embankments by <b>Smita S Aldonkar , P. P. Savoikar</b>
10.10 am – 10.20 am	Paper ID : 108: Estimation of strong ground motions of 2001 Bhuj (Mw 7.7) earthquake for Surat City, Gujarat using stochastic finite fault model by <b>T. P.Thaker, Ganesh W. Rathod, K. S. Rao, K. K. Gupta</b>
10.20 am – 10.30 am	Paper ID : 116: Finite Element Analysis of railway tracks on clayey soil reinforced with geosynthetics by <b>L.S. Sowmiya, J.T. Shahu, K.K. Gupta</b>
10.30 am – 10.40 am	Paper ID : 118: Attenuation of Strong Ground Motion for Northern India by <b>Ganesh W. Rathod, T.P.Thaker, K.S.Rao, K.K.Gupta</b>
10.40 am – 10.50 am	Paper ID : 119: Probabilistic Analysis of a Cantilever Retaining Wall by <b>Anasua Guha Ray and D. K. Baidya</b>
10.50 am – 11.00 am	Concluding remarks by session chairs
<p><b>Technical Session V (2.00 pm –3.30 pm)</b></p> <p><b>Chairman: Dr. Chandan Ghosh</b></p> <p><b>Co Chairman: Mr. Chengalath (Robbins)</b></p> <p><b>Session Coordinator: Dr. B. Manna</b></p>	
11.00 am –11.15 am	<b>Tea Break</b>
<p><b>Technical Session V (11.15 am – 1.00 pm)</b></p>	
11.15 am –11.35 am (20 min)	<p><b>Plenary Lecture 10</b></p> <p>Title: Some Studies on Non-Invasive Subsurface Investigation Using GPR</p> <p><i>Speaker:</i> <b>Prof. G. Venkatachalam</b></p>
11.35 am –11.55 am (20 min)	<p><b>Plenary Lecture 11</b></p> <p>Title: Professional Practice in Geotechnical Engineering - Indian Experience</p> <p><i>Speaker:</i> <b>Dr. V.V. S. Rao (to be delivered by Dr. Santosh Rao)</b></p>
11.55 am – 12.05 pm	Paper ID : 124: A simple procedure for design of piled raft system by <b>Soumya Roy, Bikash Chandra Chattopadhyay</b>
12.05 pm – 12.15 pm	Paper ID : 128: Calibration of a PLAXIS finite element dynamic model: Single layer soil subjected to ambient excitation by <b>Arindam Dey</b>
12.15 pm – 12.25 pm	Paper ID : 135: Importance of liquefaction assessment - in bridge design by <b>Harpreet Singh, Alok Bhowmick</b>

12.25 pm – 12.35 pm	Paper ID : 136: Reliability based stability analysis of offshore platform foundation by <b>Manojit Chakraborty, A. Murali Krishna, Arunasis Chakraborty</b>
12.35 pm – 12.45 pm	Paper ID : 142: Observed and predicted load-settlement analysis of foundation by <b>Subramaniam P., Sarat Kumar Das</b>
12.45 pm – 12.55 pm	Paper ID : 143: Linear and exponential functions to evaluate active earth pressures considering strain localization by <b>B. Munwar Basha</b>
12.55 pm – 1.00 pm	Concluding remarks by session chairs
<b>Technical Session V closed</b>	
1.00 pm –2.00 pm	<b>Lunch Break</b>
<b>Technical Session VI (2.00 pm –3.30 pm)</b> <b>Chairman: Dr. A.K. Dhawan</b> <b>Co Chairman: Mr. Alok Bhowmick</b> <b>Session Coordinator: Mr. Raunaq Singh</b>	
02.00 pm –02.20 pm (20 min)	<b>Plenary Lecture 12</b> Title: -- <i>Speaker:</i> <b>Mr. Sudhir Mathur</b>
<b>Theme 1: Paper presentations by Young Geotechnical Engineers</b> <b>(2.20 pm –3.30 pm)</b>	
2.20 pm – 2.30 pm	Paper ID : 147: Numerical simulation of geocell reinforced soft clay subgrades by <b>Sireesh Saride</b>
2.30 pm – 2.40 pm	Paper ID : 149: Handling uncertainty in the stability assessment of a deep excavation problem by <b>Amit Shrivastava</b>
2.40 pm – 2.50 pm	Paper ID : 152: Three dimensional stress analysis of a concrete gravity dam with intersecting galleries Sharique Khan by <b>Dr. V. M. Sharma</b>
2.50 pm – 3.00 pm	Paper ID : 153: Application of logical tools in geotechnical engineering by <b>S. S Pusadkar, Mandar Dinkar Deshkar</b>
3.00 pm – 3.10 pm	Paper ID : 155: Vulnerability Assessment of Port Building, Gujarat – A case Study on Pipavav Port Building by <b>Praneetha Surapaneni, R.Pradeep Kumar</b>
3.10 pm – 3.20 pm	Paper ID : 156: Geotechnical site characterization for Vijayawada urban by <b>Akhila Manne and Neelima Satyam D</b>
3.20 pm – 3.30 pm	Paper ID : 159: Soil Constitutive Model for Sustainable

	<b>Geotechnical Design by W. Higgins, D. Basu, T. Chakraborty</b>
<b>Technical Session VI closed</b>	
3.30 pm –4.00 pm	<b>Geotechnical Quiz for Young Engineers and Tea will be served</b>
<b>4.00 pm – 4.30 pm</b>	<b>Valedictory Session</b>