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|-------------|---|--|--|--|---|---|
| 9.00am      | <b>Registration</b>                           |  |  |  |   |   |
| 9.45-10.30  | <b>Inauguration</b>                           |  |  |  |   |   |
| 10.30-10.40 | <b>Tea Break</b>                              |  |  |  |   |   |
|             | <b>Track1 : Structural Engineering</b>        |  | <b>Track 2 : Transportation Engineering</b>            |  | <b>Track 3 : Geotechnical Engineering</b>               |   |
| 10.40-11.20 | <b>Key Note: Mr. Immanuel Jose, Eco White</b> |  | <b>Key Note: Dr. J Murali Krishnan Professor, IITM</b> |  | <b>Key Note : Dr. T Thyagaraj Asso. Professor, IITM</b> |   |
| 11.20-11.40 | SE 108  | Effect of Steel and Polypropylene Fibre on the Tension Stiffening of Ultra High Performance Concrete | TE 219   | Comparative Study on Cell Filled and Whitetopped Concrete Overlay with Human Hair as Pavement Rehabilitation Methods | GT 402  | Influence of Nano-Silica on Unconfined Comp. Strength of Marine Clay with Curing Time |
| 11.40-12.00 | SE 119  | Strengthening of Self Compacting Concrete Using Polypropylene and Strips of Steel Scrubber           | TE 220   | Influence of Gauge Length on the Measurement of Resilient Modulus of Bituminous Mixtures                             | GT 403  | Effect of Enzymatic Lime on Engineering Behaviour of Clay                             |
| 12.00-12.20 | SE 121  | Seismic Evaluation of Different Structural Systems in Stepped Building Frame                         | TE 222   | How to Consistently Collect Rheological Data for Bitumen in a Dynamic Shear Rheometer                                | GT 404  | Skirted Stone Column with Bamboo and Coir in Kuttanadu Clay                           |
| 12.20-12.40 | SE 123  | Study on Flexural Behaviour of RCC Beams Retrofitted with Biplanar Geonet                            | TE 225   | Use of Statistical Methods for the Analysis of Axle Load Data for Pavement Design                                    |   |   |

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| 12.40-1.00 | SE 127                                 | Effect of Near Surface and Externally Bonded Retrofitting on Exterior Beam-Column Joint  | TE203                                       | Accurate Identification of Pavement Materials that are Susceptible to Moisture Damage with the Use of Advanced Conditioning and Test Methods and the use of Machine Learning Techniques |  |
| 1.00-2.00  | <b>Lunch Break</b>                     |  |   |   |  |
|            | <b>Track1 : Structural Engineering</b> |  | <b>Track 2 : Transportation Engineering</b> |   | <b>Track 3 : Hydraulics Engineering</b>  |
| 2.00-2.40  | -----                                  |  | ----  |   | <b>Key Note : Dr. Santosh G Thampi<br/>Professor, NITC</b>   |
| 2.40-3.00  | SE 102                                 | Analysis of Concrete Silo by using ETABS 2016  | TE 207                                      | Effect of Accessibility on Potential Tourist Destinations –A Case Study of Kozhikode District in Kerala   | HE 501<br>Trend and Change Point Analysis of Annual Maximum Stream flows of Krishna Basin Using Non- Parametric Tests and Empirical Mode Decomposition |
| 3.00-3.20  | SE 104                                 | Seismic Analysis of RCC Buildings Considering the Flexibility of Soil                    | TE 208                                      | Activity Based Transportation Modeling for Chelakottukara ward of Thrissur District   | HE 502<br>Modeling of Bharathapuzha River Basin Using SWAT Model and SUFI-2  |
| 3.20-3.40  | SE 106                                 | Along and Across Wind Responses of Tall Buildings Considering Soil Structure Interaction | TE 209                                      | Urban Resident’s Awareness and Readyness For Sustainable Transportation A Case Study  | HE 503<br>Assessment of Meteorological Drought in Anantapur District Using Standardized Precipitation - Evapotranspiration Index (SPEI)                |
| 3.40-4.00  | <b>Tea Break</b>                       |  |   |   |  |

|           |  |   |        | <b>Track 1(a) : Structural Engineering</b>  |   |
|-----------|--|---|--------|---|---|
| 4.00-4.20 | SE 116                                     | Thermal Response of Concrete Filled Fibre Reinforced Polymer Tube Columns                                       | TE 211 | A Study on Profit Optimisation of Kerala State Road Transport Corporation                           | SE 103<br>Finite Elemental Analysis of Idukky Dam   |
| 4.20-4.40 | SE 118                                     | Partial Replacement of Fine Aggregate with Crumb Rubber   | TE 212 | Estimation of PCU and Saturation Flow for Mixed Traffic Condition at Urban Signalized Intersections | SE 125<br>Response of Conventional and Virtual Outrigger System Subjected to Seismic Load                     |
| 4.40-5.00 | SE 122                                     | Study on the Mechanical and Flexural Properties of Concrete by the Addition of Black Liquor Sludge as Admixture | TE 215 | Overtaking Behaviour of Vehicles on Undivided Roads Under Heterogeneous Traffic                     | SE 128<br>Effect of Nonlinear Viscous Dampers on Irregular Shaped Buildings                                   |
| 5.00-5.20 | SE 124                                     | Study on Behaviour of Normal Concrete Column and Modified Reactive Powder Column                                | TE 224 | Surrogate Safety Assessment Models for Interurban Corridors   | SE 130<br>Numerical Study on the Flexural Behaviour of Concrete Filled Steel Tube Beam Strengthened with CFRP |
| 6.00-8.30 | <b>Conference Dinner at Olympia, MBCET</b> |   |        |   |   |

# Programme Schedule



23 June 2018 (Saturday)

|             | <b>Track 1 : Structural Engineering</b>                                      |  | <b>Track 2 : Transportation Engineering</b>                  |  | <b>Track 3 : Environmental Engineering</b>            |   |
|-------------|--|--|--|--|---|---|
| 9.30-10.10  | <b>Key Note : Dr. Gopu R Potty<br/>Professor, University of Rhode Island</b> |  | <b>Keynote : Dr. Rajib B Mallick<br/>Professor, WPI, USA</b> |  | <b>Key Note : Mr. Shreeganesh V Nair<br/>MD, GTCS</b> |   |
| 10.10-10.30 | SE 105   | Effect of Containment Reinforcement on the Seismic Performance of Un-Reinforced Masonry Buildings                                | TE 205   | Environmental Impact Assessment of Thrissur-Vadanapally Road Project                   | EE 301  | Environmental Issues of Buildings – Greensolutions  |
| 10.30-10.50 | SE 107   | Eco- Friendly Cement Blocks  | TE 210   | Use of Data Mining Technique for Systematic Road Safety Audit of Non-urban Highways    | EE 302  | Development of Noise Map Using GIS For Lucknow Metropolis   |
| 10.50-11.10 | SE 109   | Development of Stress Block Parameters of Concrete with Metakaolin Admixed Recycled Concrete Aggregate                           | TE 213   | Analysis and Development of Traffic Speed-Flow-Density Relationships for Urban Roadway | EE 303  | Comparative Study of Noise Descriptors and Noise Exposure Level Due to Diwali Noise in Metropolitan City: Lucknow |
| 11.10-11.25 | <b>Tea Break</b>   |  |  |  |   |   |
| 11.25-11.45 | SE 110   | Study on Properties of Polythene Fibre Reinforced Concrete with Partial Replacement of Coarse Aggregate as Coconut Shell (PFRCS) | TE 214   | Managing Traffic Congestion Using GIS – A Case Study In Attingal Town                  | EE 307  | Evaluation of Groundwater Quality at Eloor, Ernakulam District, Kerala Using GIS                                  |

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| 11.45-12.05 | SE 112  | Effect of Swimmer Bars on the Behaviour of Exterior Beam Column Joints Under Reverse Cyclic Loading | TE 218  | Quantification and Analysis of Blindspots for Light Motor Vehicles  | EE 308                                     | Biodiesel Production from Waste Oil Using Mussel Shell as Catalyst   |
| 12.05-12.25 | SE 126  | Shear Behaviour of RCC Beams Retrofitted with Ultra High Performance Fibre Reinforced Concrete      | TE 226  | Feasibility Study of Provision for Exclusive Bus Lanes on Urban Roads   | EE 309                                     | Landfill Site Selection Using GIS and Landfill Design in Trivandrum District                                 |
| 12.25-12.45 | SE 129  | Flexural Behaviour of RCC Beams Retrofitted with Engineered Cementitious Composite (ECC)            |   |   |  |  |
| 12.45-1.05  | SE 132  | Flexural Behaviour of Hybrid Fibre Reinforced High Strength Concrete                                |   |   |  |  |
| 1.05 -2.00  | <b>Lunch Break</b>  |   |   |   |  |  |
|             | <b>Track 1 : Structural Engineering</b>                     |   | <b>Track 2 : Transportation Engineering</b>         |   | <b>Track 3 : Environmental Engineering</b> |  |
| 2.00-2.40   | <b>Key Note : Dr. Saravanan U<br/>Asso. Professor, IITM</b> |   | <b>Key Note : Dr. P K Sikdar<br/>President, ICT</b> |   | ----                                       |  |
| 2.40-3.00   | SE 101  | Fire Resistance of Steel-Concrete Composite Bridge Girders  | TE 201  | Use of Recycled Premix Chipping Carpet (RPCC) for Rural road Construction   | EE 304                                     | Treatment of Industrial Effluent with Coir Pith and Charcoal Infused Soil Media                              |
| 3.00-3.20   | SE 111  | Comparative Study on Hysteretic Performance of Semi Through Connections in CFT Beam - Column Joint  | TE 204  | Comparing The Properties of HMA With Warm Asphalt Mixes by Varying Temperatures Using Sasobit & Stearic Acid as Additives | EE 305                                     | Optimisation of Phosphate Removal from Fertiliser Wastewater Using Polysulphone Chitosan Nanosilica Membrane |

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| 3.20-3.40 | SE 115                      | Experimental and Analytical Study on Geopolymer Concrete Beam with Hollow Space Below Neutral Axis                           | TE 206 | Development of a Relation Between Structural and Functional Characteristics of Pavement                        | EE 306 | Trend and Change Point Analysis of Extreme Temperature Over India Using Non-Parametric Methods and Empirical Mode Decomposition |
| 3.40-4.00 | SE 120                      | Experimental Investigation on Torsional Behaviour of RCC Beams Retrofitted with High Strength Ferrocement Jacketing and GFRP | TE 221 | Influence of Rest Period and Confinement Pressure on the Measurement of Dynamic Modulus of Bituminous Mixtures |        |   |
| 4.00-4.20 | SE 133                      | Strength and Behaviour of RCC Beams Retrofitted by Textile Reinforced Concrete   | TE 223 | Moisture Conditioning Process for Large-Sized Prismatic Straight Beam Specimens of Bituminous Concrete         |        |   |
| 4.25-5.00 | <b>Valedictory function</b> |  |        |  |        |   |