

Dr. Kannan Iyer, IITRAM & Dr Vishisht Bhaiya, SVNIT Surat

Time	LHC CR001	LHC CR101
14:35-14:45	Abstract ID: 3191 (Impact of Various Grinding Aid Types on the Unit Weight of Cement Mortars)	Abstract ID 2997: (Siliceous wastes as raw materials for the synthesis of alternative solid activators in one-part alkali-activated materials production)
14:45-14:55	Abstract ID: 3343 (Thermal Performance of Fountain Grass (Cenchrus setaceus)–EPS Composites for Sustainable Construction)	Abstract ID: 4430 (Performance studies on graphene oxide reinforced cement concrete composite)
14:55-15:05	Abstract ID: 4403 (Review of Seismic Performance of Steel Fiber Reinforced Concrete in Bridges)	Abstract ID: 9721 (Brewing Sustainability: Tea Waste as a Game-Changer in the Development of Energy-Efficient Unfired Bricks)
15:05-15:15	Abstract ID: 5849 (The Potential Use of Plastic Waste in Construction: Environmental Impact and Advancing a Sustainable Circular Economy)	Abstract ID: 8064 (Special Geopolymeric Cement for Environmental Remediation through High-Temperature Functionalization)
15:15-15:25	Abstract ID: 5900 (A Critical Review of Strength and Durability Properties of Self Curing Concrete)	Abstract ID: 503 (Next-Gen Pavement Health: In-Situ Techniques & Sensor-Based Monitoring)
15:25-15:35	Abstract ID: 6096 (Alkaline activation cements based on chamotte and biomass bottom ash activated with sodium waterglass synthesized from spent diatomaceous earths)	Abstract ID: 4528 (Effect of Natural Jute FRP and GFRP Wrapping on Flexure damaged RC Beams)
15:35-15:45	Abstract ID: 6785 (Review Article on Utilization of Geopolymer Concrete as Sustainable Material)	Abstract ID: 4722 (Roles of pulverized fly ash and calcium stearate on hydration kinetics, temperature performance and micro-structure of Macro-defect free cement composite)
15:45-16:15	High Tea	
16:15-16:25	Abstract ID: 7127 (Tensile and flexural strength comparative performance of glass fibre-reinforced polymer and steel-reinforced concrete)	Abstract ID: 6809 (Catalytic supports obtained by the geopolymerization of waste for the transformation of CO2 into products with energy applications)
16:25-16:35	Abstract ID: 8015 (Evaluation the Performance of Sawdust Ash Modified Bituminous Mixtures Using Ultrasonic Pulse Velocity Method for Sustainable Road Construction)	Abstract ID: 6306 (Evaluation of strength, curvature ductility and plastic rotations of RC sections as per IRC: 112-2020 for low, medium and high strength concrete)

	Dr. Sharan Kumar Godur , NIT Calicut	Dr. Chandru P, NIT Calicut
16:35-16:45	Abstract ID: 4734 (Sustainable Utilization of Rice Straw Ash as a Partial Replacement for Conventional Fillers in Bituminous Mixes for Flexible Pavements)	Abstract ID: 4558 (Flexural Performance of Geopolymer Concrete Beams consisting non-ferrous Reinforcement)
16:45-16:55	Abstract ID: 8942 (Geopolymer Concrete with Metakaolin and Fly Ash: A Study on Mechanical Properties)	Abstract ID: 8062 (Effect of curing temperature on the properties of cement-based bricks: A comparative study)
16:55-17:05	Abstract ID: 5179 (Assessment of Fundamental Period in Irregular RC Buildings: A Parametric Study Using ETABS)	Abstract ID: 1613 (Alkali-activated cements incorporating mining tailings and construction and demolition waste: A sustainable approach for the circular economy)
17:05-17:15	Abstract ID: 2879 (Natural Fiber Treatment for Use in Bituminous Mixes)	Abstract ID: 5551 (Parametric Study of Cable Stayed Bridge Girders Under Wind Load)
17:15-17:25	Abstract ID: 0362 (Optimizing Hollow Concrete Blocks : Mechanical and Durability Enhancements Using Copper Mine Tailings and Additive.)	Abstract ID: 1982 (Study on the axial compressive strength properties of FRP strengthened concrete columns damaged due to exposure to high temperatures)
17:25-17:35	Abstract ID: 6838 (Numerical Investigation of Koyna Dam subjected to Under water explosion)	Abstract ID: 4701 (Comprehensive Analysis of PSC Box Girder and Conventional I-Girder Bridges: Strategic Approaches to Cost Efficiency and Material Optimization)
17:35-17:45	Abstract ID: 5592 (Seismic analysis of bridges by different international codes)	Abstract ID: 1644 (Mechanical Properties and Load Prediction of Geopolymer Concrete with Waste Glass Replacement Using Machine Learning)
17:45-17:55	Abstract ID: 1754 (Influence of Superabsorbent Polymer on Composite Cement)	Abstract ID: 1506 (Interface Shear Strength Analysis of Compacted Clay Liners (CCLs) with Fly Ash and Bentonite for Uranium Mine Tailings Containment)

17:55-18:05	Abstract ID: 3531 (Long-Term Chloride Penetration Resistance of High-Performance Concrete in Saline Water Environments: A Review)	Abstract ID: 8246 (Numerical Modeling of Flexural Performance of Reinforced Concrete Beams Using Glass Fiber-Reinforced Polymer Bars)
18:05-18:15	Abstract ID: 2278 (A Comprehensive Review on the Use of Natural and Synthetic fibers in concrete: A step towards sustainable construction)	Abstract ID: 6613 (Behaviour of fire damaged portal frame under seismic loads: A Stiffness based approach)

Dr. A S Krishnanunni, CEPT University, Ahmedabad

Dr. E V S Kiran Kumar Donthu, IIT BHU, Varanasi

Time	LHC CR001	LHC CR101
09:30-09:40	Abstract ID: 0728 (FRP reinforced and strengthened lightweight concrete beams: A state of the art review on different structural parameters)	Abstract ID: 8394 (Performance Evaluation of Geopolymer Concrete Incorporating Steel Fiber)
09:40-09:50	Abstract ID: 9012 (Experimental Investigation on Strength Characterization of concrete incorporating Fly Ash and PET Aggregates)	Abstract ID: 2075 (Optimizing Material Waste Management in Construction: Insights and Practices for the Indian Construction Industry)
09:50-10:00	Abstract ID: 9742 (IMPACT OF WASTE MATERIAL ON COMPRESSIVE STRENGTH OF CONCRETE)	Abstract ID: 1724 (New-Age Construction Materials Graphene Oxide: Innovations for a Sustainable Future)
10:00-10:10	Abstract ID: 4604 (COLD BITUMINOUS EMULSION MIX: OVERVIEW)	Abstract ID: 7251 (Nano materials in concrete: A review of current progress, benefits & challenges)
10:10-10:20	Abstract ID: 1371 (Experimental investigation on combined effects of GGBS and nano silica on the structural properties of RC element with steel fibres)	Abstract ID: 2056 (Sustainable cementitious composites using waste borosilicate glass powder)
10:20-10:50	High tea for technical chair(s)	
10:50-11:00	Abstract ID: 4973 (Geopolymer Concrete- A Carbon Sink Material)	Abstract ID: 3558 (Towards sustainable ternary cementitious composites using borosilicate glass powder and densified silica fume)
11:00-11:10	Abstract ID: 9315 (Effect Of Agro-Waste with Minimum Pre-Treatment Process on the Mechanical Properties on Cementitious Composites)	Abstract ID: 0759 (Performance of Recycled Gypsum from Waste Drywall as a Partial Replacement of Portland Limestone Cement)
11:10-11:20	Abstract ID: 5512 (Development of green concrete for strength and durability)	Abstract ID: 9265 (Performance evaluation of self-healing properties of concrete incorporating silica fume for rigid pavements)
11:20-11:30	Abstract ID: 5649 (Compressive Behaviour of Lightweight Graded Foamed Concrete Blocks in Out-of-Plane Direction)	Abstract ID: 1947 (Bio-Based Building Insulation Using Juncus Acutus Fibers and Recycled EPS: A Thermophysical Performance Study)
11:30-11:40	Abstract ID: 8866 /1149(Comparative Seismic Risk Assessment of RC Buildings Using RVA Methods: A Case Study in Nicosia's Walled City)	Abstract ID: 5574 (A study of the various materials used in shading systems for reducing heat gain in buildings)
11:40-11:50	Abstract ID: 4760 (Mritinga (Bambusa tulda) Fiber-Reinforced Lime Mortar for Heritage Restoration: A Multi-Analytical Investigation of Mechanical, Durability, and Photoluminescence Properties)	Abstract ID: 6129 (Development of Thermal Insulated Structural Concrete and Its Mechanical Strength Using Different Lightweight Aggregates)

11:50-12:00	Abstract ID: 5780 (Cement composite with brake lining waste and carbon fiber: electrical and mechanical properties)	Abstract ID: 6379 (Performance Analysis of Self-Compacting Concrete Using Recycled Coarse Aggregate and Normal Coarse Aggregate)
12:00-12:10	Abstract ID: 5587 (Impact and durability properties of geopolymer concrete with recycled aggregates)	Abstract ID: 6401 (Interior and exterior effects of mixed microbial culture in plastic waste based aggregate concrete)
12:10-13:40	Lunch break for technical chair(s)	
	Dr Aparup Biswal, AGM, Engineering Lead, Precast Works Competency Center	
13:40-13:50	Abstract ID: 6084 (Sustainable Mortar Development Using Moroccan Waste Clay Bricks: Thermal, and Mechanical Performance)	Abstract ID: 9715 (Effect of mineral admixture and natural fiber as partial replacement in self-healing sustainable concrete)
13:50-14:00	Abstract ID: 0825 (EA Study on effect of white Topping on Bituminous Roads)	Abstract ID: 3876 (Analysis of delays in construction projects in Mogadishu: causes and strategic solutions)
14:00-14:10	Abstract ID: 2988 (IMPACT OF STEEL FIBERS ON COMPRESSIVE AND TENSILE STRENGTH OF CONCRETE)	Abstract ID: 6684 (Health monitoring of silica fume-based concrete structures using destructive technique and non-destructive based electro-mechanical impedance technique with PZT sensor)
14:10-14:20	Abstract ID: 1233 (Smart Sensor Technologies for Structural Health Monitoring: A Review of Advances and Applications)	Abstract ID: 1611 (Rehabilitation of RC beams in shear using cement mortar reinforced with different meshes: An experimental approach)
14:20-14:30	Abstract ID: 0242 (Effect of Cracked Sections Properties on the Seismic Performance of RC and FRC Buildings)	Abstract ID: 2699 (A Structural Framework for Sustainable Building Maintenance Management: Overcoming Key Barriers)
14:30-14:40	Abstract ID: 6610 (Multi-objective optimisation of reinforced concrete multi-storey buildings towards a sustainable structural design using the Particle Swarm Optimisation method)	Abstract ID: 5072 (FLEXURAL BEHAVIOUR OF POLYVINYL ALCOHOL CONCRETE BEAMS BY NON - LINEAR FINITE ELEMENT METHOD)
	Dr. S. Rahima Shabeen, College of Engineering, Guindy	Dr. Mohammed Rihan, NICMAR University, Pune
14:40-14:50	Abstract ID:7060 (Investigation on Eco-Efficient Calcined Clay Ultra-High Performance Concrete Made with ASTM Type IL Cement)	Abstract ID: 2951 (Evaluating Seismic Response of a G+6 RC Structure Using PBD and FBD Approaches)
14:50-15:00	Abstract ID: 3994 (Tortuosity: importance, types, methods)	Abstract ID: 9763 (Amphibious Materials for Flood-Resistant Infrastructure: A Sustainable Solution)

15:00-15:10	Abstract ID: 8859 (Influence of Different Types and Dosages of Pozzolan on Enhancing the Compressive Strength of Khorasan Mortar)	Abstract ID: 6803 (Comparative studies of mechanical properties and wear resistance of Rubber floorings from different sources)
15:10-15:20	Abstract ID: 2619 (A Strategic Framework for Circular Economy Implementation in Construction: Integrating Pareto Analysis with the 5R Approach)	Abstract ID: 1519 (Machine Learning-Based Prediction of SFRC Compressive Strength Under Elevated Temperature Conditions)
15:20-15:30	Abstract ID: 5714 (Assessment of Building Code Requirements for Earthquake Performance of RC Buildings on Hill Slope Regions)	Abstract ID: 7061 (Optimizing the Performance of Topology-Optimized 3D-Printed Concrete Structures)
15:30-15:40	Abstract ID: 1845 (Performance of circular tapered CFST column: Impact of steel thickness on strength and ductility)	Abstract ID: 9175 (Utilizing PM10 and PM2.5 in high strength concrete: A novel use of airborne pollutants into building materials)
15:40-15:50	Abstract ID: 6114 (A Comparative Analysis on Replacement of Reinforced Concrete Shear Walls with Steel X-Bracings in Multistory structure)	Abstract ID: 9751 (A Regression Model for Predicting Construction Waste in Residential Building Project in India)
15:50-16:00	Abstract ID: 5205 (A Comprehensive Review of Advancements in One-Part Geopolymer Concrete)	Abstract ID: 5144 (Study of Chemically Treated PET Fiber with Micro Silica in M25 Grade Concrete Mix)
16:00-16:10	Abstract ID: 3298/5741 (Assessment of Durability performance of Mortar Composite with FA and MD for Acidic and Marine Environment)	Abstract ID: 6995 (Transforming Marble Waste into Sustainable Paver Blocks: A Comprehensive Study)
16:10-16:20	Abstract ID: 0845 (Analysis of Cement Performance with Marble Waste Addition and Gradual Reduction of Cement)	Abstract ID: 2371 (Processing Marble Wastes in Development of Sustainable Construction Composite for Affordable Green Buildings: Mix Design and Evaluation of Composite)
16:20-16:30	Abstract ID: 4554 (Utilization of Waste Materials as Mineral Fillers in Bituminous Mixes: A Comprehensive Review)	Abstract ID: 5749 (Primavera based risk Management in Construction)
	Dr. Vasudha D Katare, NIT Warangal	
16:30-16:40	Abstract ID: 4970 (Buckling behaviour of perforated cold-formed steel columns with stiffeners under axial load: an experimental and numerical study)	Abstract ID: 7088 (Integrated non-destructive evaluation of reinforced concrete bridges: a multi-method approach for structural health assessment)
16:40-16:50	Abstract ID: 0174 (Numerical investigation on behaviour of square CFDST stub column and beam-column)	Abstract ID: 9224 (GeoGuide: A Spatiotemporal Guidance Framework for Optimizing Environmental Data Analysis)
16:50-17:05	Abstract ID: 2939 (Investigating the Influence of Permeability on Granular Slope Failures: A Computational Fluid-Granular Approach)	Abstract ID: 2550 (Integrated Suitability Assessment for Sustainable Urban Construction: A Multi-Dimensional Approach)
17:05-17:15	Abstract ID: 3998 (Comprehensive On-Site Strategies for Waste Reduction in Construction Projects in India)	Abstract ID: 5743 (Flexural and shear performance of nano-TiO ₂ concrete infused with micro silica)

17:15- 17:25	Abstract ID: 2574 : Green Concrete Solutions: Revolutionizing the Future of Sustainable Construction	Abstract ID: 6240 (Artificial aggregates for concrete: From waste to strength)
17:25-17:35	Abstract ID: 8898 (ISeismic Fragility Assessment of a RC Bridge)	Abstract ID: 8255 (Fresh and Strength properties of fly ash based geopolymer concrete incorporating with plastic waste replacing fine aggregate partially)
17:35-17:45	Abstract ID: 225 (Recycled Aggregates and Natural Fibers in Pervious Concrete: A Sustainable Construction Perspective)	

Dr P.S. Ambily, CSIR-SERC, Chennai & Dr. Sudharshan Kore, NICMAR Pune

Time	LHC CR001	
11:05-11:15	Abstract ID: 0997 (Optimization of Coconut shell Aggregate in Bacterial concrete: A Taguchi and Artificial Neural Networks-based Approach for Lightweight Structural Applications)	Abstract ID: 7652 (Life Cycle Energy Assessment of Conventional and Modular Buildings: A Case Study Analysis in Indian Context)
11:15-11:25	Abstract ID: 7883 (Development of composite cement mortar thermal insulation panels and cladding using non-woven nylon scrubber and mullite sheet)	Abstract ID: 5087 (STUDY ON DEBONDING FAILURE OF RC BEAMS RETROFITTED WITH NEAR SURFACE MOUNTED (NSM) PRESTRESSED CFRP LAMINATES)
11:25-11:35	Abstract ID: 9281 (Influence of Alkali Activation and Curing Conditions on Non-Conventional Fly Ash Bricks)	Abstract ID: 9454 (Effect of simulated marine water curing condition on performance of triple blended concrete)
11:35-11:45	Abstract ID: 9681 (Metallurgical slags based alkaline activated cement front durability test)	Abstract ID: 3471 (Experimental investigation and non-linear finite element analysis of natural jute FRP and carbon FRP strengthened structural beams under flexural overloading impact)
11:45-11:55	Abstract ID: 1885 (Flexural Strength of Bamboo Reinforced Concrete Beam with Novel Structural Form: Analytical and Experimental Investigation)	Abstract ID: 4250 (Real-Time Structural Health Monitoring of Bridges through IoT-Based Monitoring Systems for Early Detection and Preventive Maintenance – A State of Art Review)
11:55-12:05	Abstract ID: 6487 (Development and Thermophysical Evaluation of Alternative Thermal Insulators Using Straw Composites Bonded with Diluted EPS Waste Adhesive)	Abstract ID: 0389 (Mesh Reinforcements in RCC Structures: A Comprehensive Review on Performance and Durability)
12:05-12:15	Abstract ID: 4658 (Damage analysis of steel plates using numerical and machine Learning Techniques.)	Abstract ID: 7371 (Structural Health monitoring of structures using Non Destructive Testing : A Practical Review)
12:15-12:25	Abstract ID: 7213 (Influence of Curing Condition and Glass Aggregate on the Compressive Strength of One-part Geopolymer Concrete)	Abstract ID: 0610 (Real-time structural health monitoring of concrete durability using the EMI technique and smart sensors)
12:25-12:35	Abstract ID: 1653 (Brewing Sustainability: Tea Waste as a Game-Changer in the Development of Energy-Efficient Unfired Bricks)	Abstract ID: 9777 (Quantitative Assessment of Material Waste Management in Indian Building Industry)
12:35-12:45	Abstract ID: 5959 (Thermo-mechanical analysis of laminated and sandwich plates: bending, buckling, and vibration behaviour)	Abstract ID: 9361 (Analysis and Design of Rail Over Bridge)
12:45-12:55	Abstract ID: 2839 (Bond behaviour of fusion bonded epoxy coated rebars under chloride exposure and thermal cycling)	