

StructE - NatCon 2026

Theme: Towards a Safe and Enduring Built Habitat

Programme | Day 1 | 5th Feb. 2026, Thursday

09:00-09:30	Registrations	
09:30-10:10	Inauguration	
10:10-10:40	Key Note-1 : Prof. Mike Schlaich, Sbp Schlaich Bergermann Partner, Berlin, Germany Feasible – Contemporary Structures (25+5 min)	
10:40-11:00	Sponsor's Presentation (20 min)	
11:00-11:30	Tea Break	
11:30-12:00	Key Note-2 : Mr. Girish Dravid, Past MD, Sterling Engineering Consultancy Services Pvt. Ltd. & Founder and Director, Exponentialists Pvt. Ltd. AI - the Eye in the Sky (25+5 min)	
12:00-12:20	Invited Speaker -1 : Mr. Majid Hashmi, Managing Director, KMH Engineering Structural Design of Some Fascinating and Unique Tall Buildings	
12:20-12:35	Sponsor's Presentation (15 min)	
Time	S-1: Innovatiave and Resilient Construction	S-2: Emerging Technologies: BIM, Digital Twins & Asset Management (CAM)
12:40-12:50	Amar Dharmendra Shah - Innovative Lateral Shifting Method for Resilient Construction of ROR Truss Bridges under Constrained Site Conditions	Vinod Kumar Mauriya - Robotics for Inspection and Retrofitting of Underground RCC Structures of Mega Power Projects
12:50-13:00	Manohar A Mate and D B Kulkarni - Structural Vibrations and Noise Level Analysis of a Newly Operational Metro Station	Sri Kalyana Rama Jyosyula- Investigation of directionality effect on very early-age compressive strength of 3D printed alkali-activated mortar using EMI technique
13:00-13:10	Pradnya Rote- Study Of Distortion And Shear Lag Effect In Box Girder Bridge	Sadanand Sinha- An Intelligent Framework For Damage-Informed RC Surfaces Using YOLOv12
13:10-13:15	Q&A	
13:25-14:15	Lunch	
14:15-14:45	Keynote 3: Dr. Shailesh Kr. Agrawal, Former Executive Director, Building Materials & Technology Promotion Council The Essential Need and Role of Skill Training in the Construction Industry (25+5 mins)	
14:45-15:05	Invited Speaker - 2 : Mr. Alok Bhowmick, Managing Director, B&S Engineering Consultants Pvt. Ltd. Outline of Earthquake Provisions in the Recently Revised BIS Code – IS 1893 (Part 1) : 2025	
15:05-15:35	Sponsors' Presentations (30 mins)	
Time	S-3: Innovatiave and Resilient Construction	S-4: Emerging Technologies: BIM, Digital Twins & Asset Management (CAM)
15:40-15:50	Samved Patel- Flexural Response of Elliptical Castellated Steel Beams with Balanced Web Perforations	Sangeeth Kumar P.- BIM-Enabled Asset Management Enhancing Operations through Emerging Technologies
15:50-16:00	Kishankumar Hareshkumar Mishra-Performance of Corrugated Cold-Formed Steel Double Skin Tubular Columns in axial compression	Mahesh Punna- Design and Performance Optimization of RCC Structural Design Software: A Software Engineering Perspective
16:00-16:10	M.D Ajmal Hussain- Numerical Investigation on Voided Slab Using Abaqus for different Shapes Size and Evaluate its Response	Elakkiya K- Long-Term Durability of Bio-Enhanced Sustainable Concrete with Sisal Fiber
16:10-16:15	Q&A	
16:15-16:45	Tea Break	
Time	S-5: Disaster Resilience. Repair and Rehabilitation	S-6: Innovations in Geotechnical Engineering
16:50-17:00	Agamoni Das- Study of force-displacement interaction of regular and irregular RCC buildings with Base isolation and damping system	M P S K Lakshmi-Digital Borehole Logging The Future of Geotechnical Investigations
17:00-17:20	Suhasini N. Madhekar- Seismic Response Control for a 65-Storey Building Using Passive Dampers	Sorabh Gupta-Advancing Geotechnical Resilience with Seismic Cone Penetration Test
17:20-17:30	Velamarthi Charishma Meghana - Nano-base isolators for Seismic Protection of High-Rise Buildings: A Comparative Study with Conventional Rubber Isolation Systems	Mulagala phanindra Sita krishna Lakshmi- Foundation Design Challenges in Expansive Black Cotton Soils: Lessons from Bhimavaram
17:30-17:35	Q&A	
Networking Tea or Dinner from 19:00		

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Programme | Day 2 | 6th Feb. 2026, Friday

09:00-10:00	Panel Discussion - Industry oriented	
10:00-10:20	Invited Speaker - 3 : Prof. Mahesh Tandon , Chairman, Tandon Consultants Pvt. Ltd The Evolution of Tall Building Design	
10:20-10:50	Sponsor's Presentation (30 min)	
10:50-11:10	Invited Speaker - 4 : Dr. Satish Jain , Managing Director, UHPC India Pvt. Ltd. UHPRC	
11:10-11:40	Key Note-4 : Ms. Alpa Sheth , Managing Director, VMS Consulting Engineers Composite Tall Building Code and Proposed Changes in Tall Building Concrete Code – Whys, Whats and Hows (25+5 mins)	
11:40-12:10	Tea Break	
Time	S-7: Innovative and Resilient Construction	S-8: Safe and Environmentally conscious Built Forms - Policies, Codes and Best Practices
12:10-12:20	Alok Rathod - Transforming Transverse Analysis: Full-Span Shell Model Approach	Alok Bhowmick - CROSFALL – A powerful medium for sharing information about structural failures - To create a safer built environment
12:20-12:30	Neeraj Kumar - UHPC Testing: Effect of Platen wear on Specimen Behavior	Dr. Deepak Bansal - Cloud burst rehabilitation works in Leh (Ladakh), using Interlocking Soil Stabilized Earth Blocks manufactured from local soil, in year 2011- a revisit in Year 2024
12:30-12:40	Shahid Ul Islam - Crack Localization Strength of UHPC – Implications for Structural Design	S R Satish Kumar - Towards a Safe and Enduring Built Habitat
12:40-12:50	Ramesh Gomasa -Non-destructive damage detection in bamboo specimens under various mechanical loading conditions using piezoelectric sensor	Vishisht Bhaiya - Application of Analytic Hierarchy Process in Life Cycle Cost Analysis of Residential Buildings: A Case Study of Surat City
12:50-12:55	Q&A	
12:55-13:55	Lunch	
13:55-14:55	Young Engineers Program (Pecha Kucha)	
14:55-15:15	Sponsors' Presentations (20 mins)	
Time	S-9: Innovative and Resilient Construction	S-10: Disaster Resilience, Repair and Rehabilitation
15:15-15:25	Ketan Sanjay Dalvi -Wind-Structure-Interaction for Tall NDCTs using Coupled Eulerian and Lagrangian (CEL) Technique	Anakha Ajith - Strengthening the VMRDA Coast: A Nature-Based Framework for Climate and Disaster Resilience
15:25-15:35	Navin Kumar Chaudhary - Integral and Semi-Integral Sustainable Bridge Design	Agamoni Das - Strengthening of concrete structures against punching shear with HIT-shear system
15:35-15:45	Ambika Jamagond - Comparative Study on RCC Dry Well for Submerged Structures	Prem Kumar Akula -Modelling of Flexural Behaviour of Flat Slabs in Slab-Column Sub-Assemblages Subjected to Lateral Loads
15:45-15:55	Ramesh Gomasa - Damage detection in bolted joint connections of cold-formed steel built-up columns using PZT-based EMI technique	Shriya Bothra - Integration of Bridge Fragility Functions into a Risk-Informed Earthquake Early Warning Framework
15:55-16:00	Q&A	
16:00-16:30	Tea Break	
Time	S-11: Durability and Sustainability Issues in Building Materials and Systems	S-12: Disaster Resilience, Repair and Rehabilitation
16:30-16:40	Venkateswara Rao Surati - Mauritius Metro Project - Durable design solution for Structural Steel Warren Truss Bridge	Ravali Vullengala - Estimation of Seismic Damage Index and Prediction Using Artificial Neural Network of RC Building Resting on Sloping Ground
16:40-16:50	Durgam Shiva Krishna - Influence of Polypropylene fibres on flexural strength properties of bamboo reinforced concrete	Sumantra Sengupta -Residual Fatigue Strength Assessment & Rehabilitation of Rajendra Setu, Mokama, India-Case Study
16:50-17:00	Kanchala Nanchari - Investigations on Glass Fiber Self-Compacting Concrete's Strength and Flow	Manish S Dharek - Seismic Retrofitting of Victoria Public Hall – a Heritage Masonry Building in Chennai
17:00-17:10	Prof. Mainak Ghosal - Nanomaterial-Driven Strategies for Advanced Material Optimization	Sumit Khare - Early Stage Prediction Of Life Cycle Cost In Residential Buildings Using Artificial Neural Network
17:10-17:15	Q&A	
17:15-19:15	Young Engineers Program (Poster+Rapid Design Competition)	

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Programme | Day 3 | 7th Feb. 2026, Saturday

09:00-09:30	Key Note-5 : Dr. Harshavardhan Subbarao , CMD, Construma Consultancy Private Limited CFRP Strengthening for the Structures and the New IRC Guidelines (25+5 min)	
09:30-09:50	Invited Speaker - 5 : Dr. D. P. Kanungo , Chief Scientist & Professor (AcSIR), CSIR-CBRI A Tale of Twin Towers: Technical Insights of Safe Demolition	
09:50-10:00	Invited Speaker - 6 : Dr. Ajay Chourasia , Chief Scientist and Head, Structural Engineering & 3D Concrete Printing Group, CSIR-CBRI Joshimath: Causes, Challenges, and Lessons for a Safe Built Habitat	
10:10-10:30	Invited Speaker - 7 : Dr. Ravi Sundaram , Director, Cengrs Geotechnica Pvt. Ltd. Impact of IS: 1893 Part 1-2025 on Geotechnical Aspects	
10:30-11:30	Interactive Forum - Draft Engineers' Bill and NBC	
11:30-12:00	Tea Break	
Time	S-13: Durability and Sustainability Issues in Building Materials and Systems	S-14: Disaster Resilience. Repair and Rehabilitation
12:00-12:10	Sushil Kumar Dhawan - Expected residual service life of reinforced concrete	Stuti Singh; Dr Vishist Bhaiya - Optimal Design of Tuned Mass Damper for Horizontal Irregular Building Using Genetic Algorithm
12:10-12:20	Sushil Kumar Dhawan - Performance and Durability of Reinforced Concrete A Review of Corrosion Challenges and Structural Implications	Aman Deep Garg - Seismic Retrofitting Of A Railway Station Building Constructed On Soft Marshy Soil
12:20-12:30	Kumar Shakti Srivastava - Alkaline Viability and Biomineralization Potential of Bacillus Species for Cementitious Applications	Moka Eswar - Feasibility Assessment of Superelastic SMA Bars with Mechanical Anchorage in RC Beam-Column Joints
12:30-12:40	Chinnala Surya Teja - Influence of NaOH Molarity on Red Mud-Based Ternary Geopolymer Concrete	Deekshitha M K - Experimental analysis on the Axial compression behaviour of Textile-reinforced brick wallettes submission
12:40-12:45	Q&A	
12:45-13:30	Valedictory Session & Closing Ceremony	
13:30	Lunch	



Organised by

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