

Program Schedule

18th January 2024 (Day 1)

| Time | | | | | | | | | | | | | | |
|-----------------------------------|-------|--|-------------------------------------|-------|---|-------|---------------------------------------|---|-------|-------|---|--|--|--|
| Start | End | | | | | | | | | | | | | |
| 8:30 | 9:30 | Registration | | | | | | | | | | | | |
| 9:30 | 10:30 | Inaugural session (Venue : Rang Manch) | | | | | | | | | | | | |
| 10:30 | 11:10 | Inauguration of Exhibition and Tea break | | | | | | | | | | | | |
| | | Plenary Session 1 (Venue : Rang Manch) | | | | | | | | | | | | |
| 11:10 | 11:50 | Professor Surendra P. Shah : Carbon capture and utilisation in concrete construction | | | | | | | | | | | | |
| 11:50 | 12:30 | Er. S. K. Ghosh : Observation from the massive Turkish earthquake of 2023 | | | | | | | | | | | | |
| 12:30 | 13:10 | Professor Caijun Shi : A novel method for design of HPC with multiple performance requirements | | | | | | | | | | | | |
| 13:10 | 13:40 | Presentation by Ultratech Cement | | | | | | | | | | | | |
| 13:40 | 14:30 | Lunch Break | | | | | | | | | | | | |
| Parallel Session - I (Rang Manch) | | | Parallel Session - II (RaasManch-I) | | | | Parallel Session - III (RaasManch-II) | | | | Parallel Session - IV (Velvet Lounge) | | | |
| Start | End | Recent development in concrete materials | Start | End | Self Compacting and Fiber reinforced concrete | Start | End | Durable and sustainable construction | Start | End | Repair and retrofitting of structure | | | |
| 14:30 | 15:00 | Keynote speech Prof Ashutosh Bagchi : Response of high performance concrete to fire and high temperature | 14:30 | 15:00 | Keynote speech Prof R Gettu : Development of robust design and quality assurance procedures for precast tunnel lining segments of fiber reinforced concrete | 14:30 | 15:00 | Keynote speech Prof Manu Santhanam : Use of low carbon ingredients for 3d printing | 14:30 | 15:00 | Keynote speech Dr Gopal Rai : Additional New life to 50 year old of Infrastructure project with Rehabilitation | | | |
| 15:00 | 15:15 | Dr Jiten Ghosh : Study of average and local atomic-scale structure in cementitious C-S-H using electron microscopy and pair distribution function | 15:00 | 15:30 | Keynote speech Prof Kiang Hwee TAN : Fiber reinforced concrete - design and application | 15:00 | 15:15 | Shantanu Bhattacharjee : Mechanical analysis of 3d printed structure | 15:00 | 15:15 | Ashish Vashisht :Unique Durable Solutions for Deep Basements / Rafts in Modern Construction Through Innovative Construction Chemicals | | | |
| 15:15 | 15:30 | Dipendu Bhunia : One-part alkali-activated composite cementing material: assessment of physico-mechanical, durability, and microstructural characteristics | 15:30 | 15:45 | Tarun K Dey : Self-Compacting concrete - a comprehensive case study on mix design and implementation | 15:15 | 15:30 | Er Vikram Lakade: 3D Concrete printing : the technology that revolutionizes the construction Industry | 15:15 | 15:30 | Abhinav Anand : Experimental and numerical investigation to calibrate the interaction properties of sandwich concrete panel | | | |
| 15:30 | 15:45 | Dibyendu Adak : Performance of concrete coated with alkali-activated paint exposed to marine environment | 15:45 | 16:00 | Supradip Das : Admixture- cement compatibility for self compacting concrete : case study | 15:30 | 15:45 | Kalpna Kumari : Experimental study on plain and blended cement concrete exposed to aggressive environment | 15:30 | 15:45 | Er Pushpam Kumar : Passive Fire Protection for Enhancing Durability in Tunnels | | | |
| 15:45 | 16:00 | Ravi Agarwal : Characterization of alkali silica reactivity in geopolymer concrete through accelerated test method and its mitigation measures | | | | 15:45 | 16:00 | P Abhilash : Self cleaning geopolymer concrete (SCGC) using industrial by-product: a comparison review | 15:45 | 16:00 | R Preetha : Diagnosis of internal chloride attack on RC structure through chloride profiling and associated repair | | | |
| 16:00 | 16:15 | Tea Break | | | | | | | | | | | | |

18th January 2024 (Day 1)

| Parallel Session - V (Rang Manch) | | | Parallel Session - VI (RaasManch-I) | | | Parallel Session - VII (RaasManch-II) | | | Parallel Session -VIII (Velvet Lounge) | | |
|-----------------------------------|--------------|---|-------------------------------------|-------|---|---------------------------------------|-------|--|--|-------|---|
| Start | End | Role of concrete in infrastructure development | Start | End | Repair and retrofitting of structure | Start | End | Precast and Prefabricated concrete structures | Start | End | Recent development in concrete materials |
| 16:15 | 16:45 | Keynote speech Dr K N Gunalan: The future : Sustainable and Resilient Infrastructure - role of the industry | 16:15 | 16:45 | Keynote speech Prof Radhakrishna G Pillai : Corrosion control and service life extension of concrete structures using galvanic cathodic protection | 16:15 | 16:40 | Keynote speech Dr. Serina Ng : Chemical admixtures for precast and prefabricated concrete structures, influence on their aesthetics and demoulding efficiency | 16:15 | 16:45 | Keynote speech Er Vivek Naik : Sustainability of concrete through innovative materials |
| 16:45 | 17:00 | Dr. Vishal Ramesh Thombare : White Topping Overlook : Insights from an experimental stretch | 16:45 | 17:00 | Sukanya Basu : Stress monitoring of prestressed concrete structures using baseline-free ultrasonic method | 16:40 | 17:05 | Keynote speech Prof. Amlan K Sengupta : Precast concrete for buildings | 16:45 | 17:00 | Satish Kumar Mahato : Use of rubber as aggregate in concrete for construction of rigid pavement |
| 17:00 | 17:15 | Arghya Banerjee : Study On formulation of a mechanistic-empirical design approach of PCC concrete overlay on low volume flexible road pavement | 17:00 | 17:15 | Kaustav Das : Some common methods of repair and strengthening of concrete structures vis-à-vis a case study | | | | 17:00 | 17:15 | Rakesh Sikder : Experimental study on suitability of cupola slag using as a building materials in concrete for sustainable development |
| 17:15 | 17:30 | Manali Rathee : Strength and absorption properties of geopolymer concrete synthesised with class-f fly ash and dolomite | 17:15 | 17:30 | Er Amol Patil : Enhancing the Service Life of Reinforced Concrete Structures By Using Novel Vapour Phase Corrosion Inhibitor Technology | 17:05 | 17:30 | Keynote speech Er. Vinay Gupta : Precast Concrete : A global solution for building and infrastructure | 17:15 | 17:30 | Sudipta Chattopadhyaya : Closing the water cycle by use of treated sewage water in concrete |
| 18:30 | 20:00 | Cultural program | | | | | | | | | |
| 20:00 | 21:30 | Conference Dinner | | | | | | | | | |

19th January 2024 (Day 2)

| Time | | | | | | | | | | | |
|---|--------------|--|------------------------------------|-------|--|--------------------------------------|-------|---|--|-------|--|
| Start | End | | | | | | | | | | |
| Plenary Session 2 (Venue : Rang Manch) | | | | | | | | | | | |
| 9:30 | 10:10 | Dr Anjan K. Chatterjee : Digitalization in the concrete construction sector: why's and how's | | | | | | | | | |
| 10:10 | 10:40 | Presentation by Bangur Build smart | | | | | | | | | |
| 10:40 | 11:20 | Professor Mark Alexandar : Durability indexes and concrete construction specifications: the issue of variability | | | | | | | | | |
| 11:20 | 11:35 | Presentation by Adani Cement | | | | | | | | | |
| 11:35 | 11:50 | Tea break | | | | | | | | | |
| 11:50 | 12:30 | Prof. Stephen Foster : Exploring the future of ultra-high performance concrete (UHPC) bridge construction: advancements, challenges, and its role in critical infrastructure development. | | | | | | | | | |
| 12:30 | 12:40 | Presentation by Sika India Ltd | | | | | | | | | |
| 12:40 | 13:10 | Keynote speech | | | | | | | | | |
| 13:10 | 13:20 | Sponsor Presentation by Tata Steel | | | | | | | | | |
| 13:20 | 13:30 | Sponsor Presentation by Fischer | | | | | | | | | |
| 13:30 | 13:40 | Sponsor Presentation by Prism Johnson Limited | | | | | | | | | |
| 13:40 | 14:30 | Lunch Break | | | | | | | | | |
| Parallel Session - IX (Rang Manch) | | | Parallel Session - X (RaasManch-I) | | | Parallel Session - XI (RaasManch-II) | | | Parallel Session - XII (Velvet Lounge) | | |
| Start | End | Ultra High Performance concrete | Start | End | Durable and sustainable construction | Start | End | Standards and Specifications for concrete design and construction | Start | End | Recent development in concrete materials |
| 14:30 | 15:00 | Keynote speech Victor Perry : Future of ultra high performance concrete | 14:30 | 15:00 | Keynote speech Er Nilotpal Kar : Durability & Sustainability through Innovations in Concrete Materials | 14:30 | 16:00 | Keynote speech S. K. Ghosh : Surfside, Florida building collapse of June 2021 and ACI 318 Building code requirements for structural concrete | 14:30 | 15:00 | Keynote speech (virtual mode) Prof. Henk M. Jonkers : Self healing concrete and its latest developments |
| 15:00 | 15:30 | Keynote speech Dr Satish Jain : 2024 – The Future of UHPC | 15:00 | 15:24 | Keynote speech (virtual mode) Prof. Tetsuya Ishida : Enhanced performance modeling for low calcium supplementary cementitious materials: current and future prospects | | | | 15:00 | 15:15 | Nilakanmani : Low-energy processing routes to enhance reactivity of Indian biomass ash |
| 15:30 | 15:45 | Shivaprakash Gangappa : Ultra high performance concrete M150 and above using local raw material | 15:24 | 15:36 | Subhojit Chattaraj : Comparative study of compressive and flexural strength of M30 grade of concrete using coconut shell as coarse aggregate replacing material | | | | 15:15 | 15:30 | G. Reena : Development of sustainable single component geopolymer binder-A greener construction material |
| 15:45 | 16:00 | | 15:36 | 15:48 | Rakesh Kumar Saini : Behavior of concrete with scrap of e-waste plastics as aggregates | | | | 15:30 | 15:45 | Yesha Shah : Performance evaluation of geopolymer and OPC concrete in saltpan bed: a comparative study |
| 15:45 | 16:00 | Mohan Ramanathan : Unique dismantling of RCC structural walls and replacement by steel column for an existing multi storeyed structure by diamond wire sawing and fiber wrapping | 15:48 | 16:00 | Debasis Sau : Investigation of recycled plastic waste based concrete: effects on mechanical, durability, thermal & sound and bond strength properties | 15:45 | 16:00 | Soumya Bhattacharjya : An improved sustainability measurement procedure for concrete buildings | | | |
| 16:00 | 16:15 | Tea Break | | | | | | | | | |

19th January 2024 (Day 2)

| Parallel Session - XIII (Rang Manch) | | | Parallel Session - XIV (RaasManch-I) | | | Parallel Session - XV (RaasManch-II) | | | Parallel Session - XVI (Velvet Lounge) | | |
|--------------------------------------|--------------|--|--------------------------------------|-------|---|--------------------------------------|-------|--|--|-------|---|
| Start | End | Recent development in concrete materials | Start | End | Durable and sustainable construction | Start | End | Forensic engineering and structural health monitoring | Start | End | Analysis and design of concrete structure |
| 16:15 | 16:45 | Keynote speech Prof Abhijit Mukherjee : Self-sensing self-healing concrete. | 16:15 | 16:45 | Keynote speech David Millar : Australian concrete durability standards and guidelines | 16:15 | 16:45 | Keynote speech Dr. M. R. Kalgal : Remedial engineering for concrete heritage structures | 16:15 | 16:45 | Keynote speech Tamon Ueda : Structural intervention for concrete structures by external bonding -- recent research developments and international standardization |
| 16:45 | 17:00 | Syria Mostak : Performance study of jute fiber reinforced concrete in the context of Bangladesh | 16:45 | 17:00 | Pratik Bagaria :Viscous wall damper for enhancing performance of buildings in seismically active regions | 16:45 | 17:15 | Keynote speech Prof Ananth Ramaswami : Time dependent deformations in concrete: multi physics and multiscale process | | | |
| 17:00 | 17:15 | Sajal Kanti Basu : A Review on the concrete strength by using jute as natural fiber | 17:00 | 17:15 | Devjit Acharjee : Effect of constructional imperfection on the stability of overhead reservoir: a case study | | | | 16:45 | 17:15 | |
| 17:15 | 17:30 | Victor Chakraborty : Influence of metakaolin on the fresh, mechanical properties and durability of flyash-metakaolin based alkali activated composite | 17:15 | 17:30 | Most. Sonia Aktar : An investigation into the compressive strength of concrete using demolition waste aggregates | 17:15 | 17:30 | Vartika : Reinforcement corrosion in concrete structures, its monitoring using linear polarization technique - a review | 17:15 | 17:30 | Avirup Sarkar : A novel time domain spectral finite element method for analysis of frp-reinforced concrete deep beams |
| 18:30 | 20:00 | Cultural program | | | | | | | | | |
| 20:00 | 21:30 | Conference Dinner | | | | | | | | | |

20th January 2024 (Day 3)

| Time | | | | | |
|---|--------------|---|---|-------|--|
| Start | End | | | | |
| Plenary Session 3 (Venue : Rang Manch) | | | | | |
| 9:30 | 10:10 | Dr S Chowdhury : Cement and concrete beyond now- a realisation and preparedness imperative | | | |
| 10:10 | 10:50 | Prof. Johann Plank : Novel chemical admixtures for low carbon and zero clinker binders | | | |
| 10:50 | 11:30 | Prof S. K Bhattacharya : Retrofitting of fire damaged structures | | | |
| 11:30 | 11:40 | Presentation by JSW | | | |
| 11:40 | 12:00 | Tea break | | | |
| Parallel Session - XVII (Rang Manch) | | | Parallel Session - XVIII (RaasManch-I) | | |
| Start | End | Role of concrete in infrastructure development | Start | End | Keynote speech (virtual mode) |
| 12:00 | 12:30 | Keynote speech Dr. V. Ramachandra : Distress-free and sustainable concrete roads | 12:00 | 13:30 | Keynote speech Prof Wang Qiang : New mineral admixtures for concrete |
| 12:30 | 13:00 | Keynote speech Er. Rajib Chattaraj : Short panel concrete pavement -a humble step towards sustainability | | | Keynote speech Prof Venkatesh kodur : Need for innovations for mitigating fire hazard in modern concrete structures |
| 13:00 | 13:15 | Aditya Shankar Ghosh : A study on the effect of rice husk ash on mix design of high grade concrete used for rigid pavement | | | Keynote speech Prof Hakim Abdelgader : Two stage concrete as a sustainable production |
| 13:15 | 13:30 | Kalyan Kumar Moulick : Compressive strength and microstructure study of rice husk ash induced alkali activated composites with blend of GGBS and bauxite | | | Keynote speech Prof. N. Banthia : Towards carbon-Neutral civil infrastructure with sensor, cyber-physical networks and AI |
| 13:30 | 14:30 | Lunch | | | |
| Parallel Session - XIX (Rang Manch) | | | Parallel Session - XX (RaasManch-I) | | |
| Start | End | Concrete Structures - Hazards and mitigation | Start | End | Recent development in concrete materials |
| 14:30 | 14:45 | Ashis Kumar Dutta : Utilising a modified vlasov model, analyse a plate-bending element resting on an elastic foundation | 14:30 | 14:45 | Jyoti : LD slag based greener cementitious binder in concrete |
| 14:45 | 15:00 | Arijit Karmakar : Study on seismic vulnerability of shaft type over head reservoir | 14:45 | 15:00 | Engr Ibrahim Shaikh : Sika reCO2ver® Concrete Recycling- Circular Economy- Recycled aggregates review |
| 15:00 | 15:15 | Projesh Kumar Pal : Effect of soil structure interaction on dynamic response of concrete crusher foundation | 15:00 | 15:45 | Yellanki Deepti : Alkali-activated mortar under elevated temperature |
| 15:15 | 15:30 | Agamoni Das : Base isolated concrete buildings for seismic disaster mitigation | | | Dr. Nurul Alam : Effect of thermophilic bacterium BKH2 in fly ash bricks |
| 15:30 | 15:45 | Suman Roy : Reliability analysis for assessing low velocity car impacted damage of reinforced concrete bridge pier | | | Debanjan Das : Toughness & ductility of alkali activated concrete |
| 15:45 | 16:00 | Tea break | | | |
| 16:00 | 17:00 | Valedictory Session | | | |