

# Innovative World of Concrete

## ICI-IWC 2018

International Conference on

## INNOVATIONS IN CONCRETE

TO MEET HOUSING AND INFRASTRUCTURE CHALLENGES



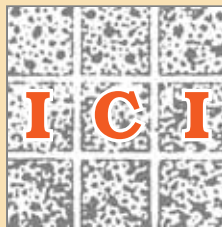
*Date: 19<sup>th</sup> to 22<sup>nd</sup> September, 2018*

*Venue: NIMHANS Convention Centre,  
Hosur Road, Lakkasandra, Bengaluru, Karnataka – 560 029. India*



ORGANISED BY :

**INDIAN CONCRETE INSTITUTE**



HOSTED BY :

**ICI - BENGALURU CENTRE**

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## ICI-IWC 2018 - International Conference in Bengaluru

Innovative World of Concrete – IWC which is held every 5 years was first organized in Bengaluru in 1993. After being held in many cities, IWC - 2018 is being organized in Bengaluru again after a gap of 25 years. IWC-2018 is being organized in the era of rapid developments in housing infrastructure and smart cities with the challenges of speed, minimum carbon foot prints and maximum safety. It would be a golden opportunity for all to meet on a global platform to see the intergration of research, theory and practice. IWC 2018 also includes exhibition and live products demonstrations.

### Themes of the Conference:

- Technologies for Housing Infrastructure (Affordable Housing, Mass Housing, Innovations in Housing)
- Challenges and Solutions for Developing Smart Cities (Buildings, Roads, Viaducts, Metro/Mono rails, Water-Supply and Drainage Systems etc.)
- Technologies for Mega-Projects (Highways, Airports, Railways, Ports and Inland Waterways Sectors)
- Special Concrete for Irrigation Structures Including for Emergency Repairs
- Sustainability in Housing & Infrastructure Projects
- Reengineering of Infrastructure (Health Monitoring, Repair, Rehabilitation and Retrofitting etc.)
- Innovative Materials for Better Construction

### Who Should Attend:

Builders, Developers and Contractors, Consultants and Architects, Researchers, Academicians & Students, Government & Public Sector Undertakings, Service Providers, Manufacturers - Cement, Concrete, Concrete products, Construction Chemicals, Concrete Plants & Machineries, Aggregates, Formwork, etc.

### About Bengaluru:

Bangalore, officially known as Bengaluru, is the capital of the Indian state of Karnataka. It is a megacity with a population of over ten million, located at an elevation of over 900 m (3,000 ft) above mean sea level. The highest amongst the metropolitan cities in India. Temperature in September averages about 20<sup>o</sup> C.

Bengaluru is referred to as the "Silicon Valley of India" (or "IT capital of India") as it is host to a large number of reputed International IT Corporates like Infosys, Wipro, TCS, Intel, Cisco, IBM, Makino etc. Large Public-sector Organisations such as the ISRO, HAL, BEL, BEML etc., are headquartered in the city along with a large number of Defence Organisations such as the DRDO. Bengaluru is also home to many reputed educational & research Institutions such as Indian Institute of Science (IISc), Indian Institute of Management (IIMB), National Institute of Fashion Technology, National Institute of Design (NID R&D Campus), National Law School of India University (NLSIU), National Institute of Mental Health and Neurosciences

(NIMHANS) and Raman Research Institute. Kannada is the native language and is commonly spoken. Hindi and English is generally comprehended by cab drivers and police. Bengaluru has a cosmopolitan culture with people from almost all States of India and a substantial number of foreign citizens living and working here. It has a salubrious weather and the residents are very friendly and courteous in their approach with a rich socio-cultural background. There are numerous historical and world-famous heritage sites in the State of Karnataka and is a must-see location for Tourists visiting India, especially Mysuru, Hampi, Badami, Pattadakal, Halebedu, Belur, Shravana Belagola etc. Bengaluru has one of the most modern and large International Airport, called as the Kempegowda International Airport. Bengaluru is amongst the most sought after location to host International and National Conferences.

### About ICI-Indian Concrete Institute:

Indian Concrete Institute (ICI) is a leading professional body in India, catering to professionals, Organisations and Institutions in the area of Concrete. ICI is a nonprofit Organisation, dedicated to the cause of Knowledge dissemination on Concrete and Concrete related areas. Main Objective of ICI is to promote Concrete Technology, Construction and related aspects and address the Research needs in the area of Concrete.

Established in 1982, ICI has since grown into a large Organisation of repute with Regional centres all over India. Today ICI has more than 12,500 professional members and 38 Regional Centres pan-India. ICI has 325 Organisational Members and 225 Students' Chapters. All segments of cement and concrete industries are widely represented in the membership of ICI. Since inception, ICI has been consistently conducting varieties of programs like Seminars, Workshops, Conferences, Exhibitions, etc. throughout the year at National and International level attracting active participation and

benefitting a large number of professionals in the Construction & Infrastructure Industry like Practicing Engineers, Manufacturers, Traders, Academicians, Consultants and Researchers. ICI has published technical documents, guidelines, standards, in the area of concrete and construction practices, unified code and Hand Books. Activities of ICI are well appreciated and events of ICI are attended by various Governmental organisations such as Central and State Governments, CPWD, PWDs, Municipal Corporation etc. ICI members are part of several Codal Committees of BIS. ICI is an active participant in Asian Concrete Federation (ACF), which is a cluster of nine Asian Countries. ICI has signed MOU with other Concrete Institutes like Singapore Concrete Institute, Concrete Institute of Australia, Korea Concrete Institute, American Concrete Institute and RILEM for exchange of technological Information, technical documents and to organize programmes, jointly.

## KEYNOTE SPEAKERS

### Transition to Low-Carbon Cement-Based Construction in India – Innovation Imperatives and Obstacles



**Dr. Anjan K Chatterjee**  
Chairman  
Conmat Technologies Pvt Ltd, Kolkata, India

### Elevated Corridors for Metro and Road Connectivity



**Er. Vinay Gupta**  
President Elect ICI  
Chief Executive Officer,  
M/S Tandon Consultants Pvt Ltd, New Delhi

### Balancing Concrete Properties in Super Tall Structures: The Kingdom Tower, Jeddah, Saudi Arabia



**Mr. Khaled W. Awad**  
Ex-President  
American Concrete Institute

### Life-cycle management of Structures



**Dr. Hiroshi Yakota**  
President  
Asian Concrete Federation, Japan

### The Future of Non-Destructive Testing (NDT) with IoT (Internet of Things) Innovations



**Mr. Issac Heng**  
Proceq Asia Pte Ltd,  
Switzerland

### Freeplay



**Ar. Gurjit Singh Matharoo**  
Principal Architect  
Matharoo Associates, Ahmedabad

## LEAD SPEAKERS

### Challenges and Solutions for Developing Urban Housing Projects



**Er. Arun Kashikar**  
Vice President,  
Head – R &D, MEP & Structures,  
M/s. Tata Housing Development Co. Ltd., Mumbai.

### Case Studies on Deep foundation for Infrastructure projects



**Dr. C R Parthasarathy**  
Managing Director,  
M/s. Sarathy GeoTech & Engineering Services Pvt Ltd,  
Bengaluru

### A Journey through a Lifetime of Concrete: Rheology, Durability, Sustainability



**Dr. Viswanath Mahadevan**  
Head of Development,  
BASF Construction Chemicals,  
Asia Pacific.

### Concrete Sustainability: Current Status, Challenges and a Welcome Initiative



**Er. V. R. Kulkarni**  
Principal Consultant,  
RMCMA, Mumbai.

### Re-engineering Technologies for Urban Built Environment



**Er. K Srinivasa Reddy**  
Managing Director,  
DesignTree Service Consultants Pvt Ltd., Bengaluru

### Innovative Formwork and Scaffolding Technologies



**Mr. Umang Bhavsar**  
Formwork Specialist,  
PERI India Pvt Ltd., Mumbai

# CALL FOR PAPERS

Original technical / research papers are invited to be presented either in person or through pin-up paper display. Authors are requested to send the full length papers in IJRET format (<https://www.ijret.org>) not exceeding 6 pages, preferably by 16th August 2018. The manuscript must be in word format with ready to publish format. The papers will be subject to peer review as well as checks for plagiarism. Notwithstanding checks for plagiarism, authors shall be solely responsible to ensure authenticity and ownership of their papers. If papers do not add value or not meritorious for presentation / publication, they shall be rejected. Organisers shall not be liable for whatever & whatsoever in this regards. they will not be accepted for publication. However, authors can present papers without any assurance on publication.

- **Last date of sending full length papers: 16.8.2018**
- **Intimation of acceptance: 1.9.2018**
- **Receipt of corrected papers along with authors registration: 10.9.2018**

Camera-ready-proof-papers can be sent to [secretary.icibc@gmail.com](mailto:secretary.icibc@gmail.com) with a copy to [iwc.blr2018@gmail.com](mailto:iwc.blr2018@gmail.com). Authors presenting their papers shall register for IWC-2018 without fail.

**All the accepted full length papers will be published in**

IJRET - International Journal of Research in Engineering and Technology. e-ISSN 2319-1163, p-ISSN 2321-7308



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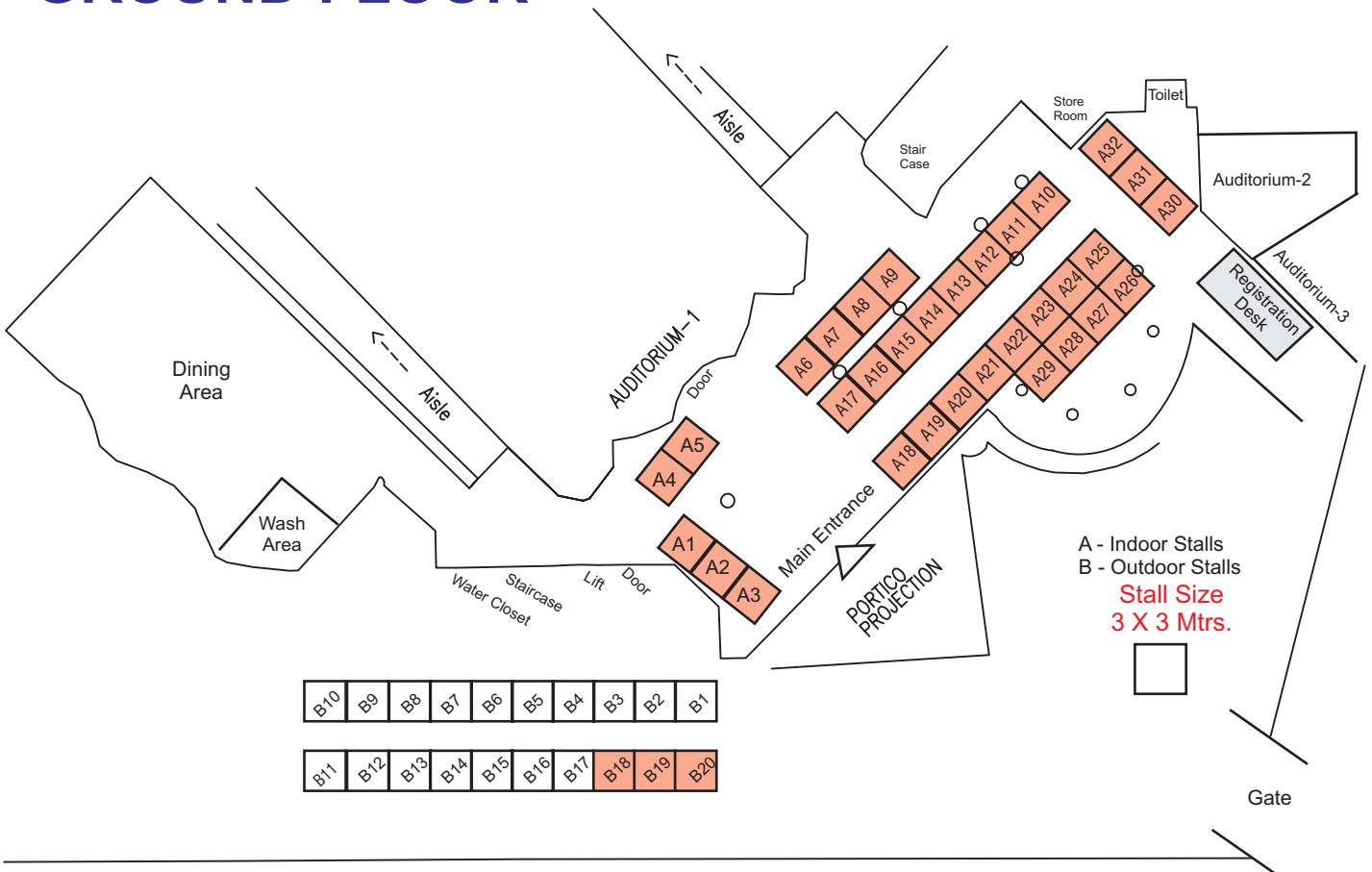
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**Schematic Layout of Exhibition Space  
at NIMHANS Convention Centre**

**GROUND FLOOR**



**FIRST FLOOR**



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