CALL FOR PAPERS

INDIAN BUILDINGS CONGRESS

27th Annual Convention

Manekshaw Centre, New Delhi

July 13-14, 2024

Publication of IBC Journal
on

"Artificial Intelligence in Construction Industry"

27th Annual Convention
Publication of IBC Journal with focus on
"Artificial Intelligence in Construction Industry"

The Indian Buildings Congress (IBC) was founded on 1st September 1992 and registered as a society on 29th March 1993, with its headquarter at New Delhi. The vision of the organization is a built environment, which is affordable, aesthetic and conducive to good living. IBC is striving continuously to bring all professionals connected with built environment, like administrators, financiers, planners, developers, architects, engineers of all disciplines, horticulturists, builders, researchers, teachers and manufacturers of building materials on a single platform so as to form collective opinion related to built environment for implementation by various stakeholders.

ANNUAL CONVENTION

IBC will be holding its 27th Annual Convention on July 13-14, 2024. Annual Session apart from conducting business like holding of Governing Council Meeting, conducting Seminars will also release IBC Journal and its Publications on this occasion. Members of IBC and professionals of Government Departments, Housing Boards, Development Authorities, Town and Country Planning Organizations, State PWDs, Teaching & Training Institutes, Technical Universities, Builders, Developers and all others interested in building management are cordially invited to contribute Papers for the IBC Journal.

IBC JOURNAL

The Indian Buildings Congress periodically brings out the journal for research and review in technology. The journal proposed to be released on the occasion will focus on "Artificial Intelligence in Construction Industry"

OBJECTIVE

Artificial Intelligence (AI) is a fast evolving technology that tries to enable machines to perform a wide range of tasks, from simple to complex, which typically require human intelligence. AI is poised to revolutionize the construction industry to make a deep impact on the way things are presently done to improve productivity and solve challenges. Machine learning is a field of artificial intelligence that uses statistical techniques to give computer systems the ability to "learn" from data, without being explicitly programmed. Robotics, AI and the Internet of Things can reduce building costs. Computer vision involves teaching machines to interpret and make decisions based on visual data, photographs and video streams. Engineers can send robots with cameras into buildings under construction to track the work as it progresses. These robots can perform functions at locations not approachable by humans. AI is being used to plan the routing of electrical and plumbing systems in modern buildings.

AI finds applications in Project Planning, Structural Design, Intelligent Construction Management, Predictive Maintenance And Asset Management, Risk Assessment and Mitigation, Construction Safety, Environmental Impact, Sustainability in Built Environment, Traffic Management, Urban Planning, Robotics and Automation in Construction etc. The authors may choose any of these applications for writing their papers. Real life case studies are highly welcome.

The main purpose of this Journal is to bring together all stakeholders connected with built environment including Researchers / Professionals / Administrators / Financiers / Planners, Developers / Architects / Engineers of all disciplines / Horticulturists / Builders / Teachers and Manufacturers of building materials & machinery on a single platform to discuss applications of Artificial Intelligence in Construction Industry and future of AI. The authors will get an opportunity to present their papers before distinguished stakeholders of built environment during the Annual Convention. It is accordingly planned to deliberate on the subject.

CALL FOR PAPERS

Authors are requested to send soft copy of the paper in Microsoft Word. The Paper should not exceed 3500 words and should also contain an Abstract of about 200 words. Accompanying drawings and figures should be of good quality. Photographs, if any, should be sent in original or through separate scan file. The Paper should not have been published earlier or presented in any other Seminar/Conference. Authors should also indicate the names of co-authors, their affiliation, mailing addresses and mobile numbers. Authors should communicate their intention of submitting the Paper along with a brief Abstract by May 15, 2024. Last Date of Submission of full Paper is May 30, 2024.

For any query, please contact Shri N.K. Singh, Dy. Secretary (Tech), IBC M: 8178480153. All correspondence concerning Papers may be addressed to:

Rajeev Kumar Gupta
Honorary Secretary,
Indian Buildings Congress
Kama Koti Marg, Sector – VI,
R.K. Puram, New Delhi – 110 022.
Telephone: 26169531, 26170197
Email: indianbldgscongress@gmail.com; techcommittee.ibc@gmail.com
Website: www.ibc.org.in