THE INDIAN INSTITUTE OF ARCHITECTS
THANE CENTRE
MAHARASHTRA CHAPTER

CONFLUENCE
ADAPTIVE REUSE & PARAMETRIC ARCHITECTURE
MAHACON
and
WESTERN REGIONAL CONFERENCE
24-25 JANUARY 2025

CALL FOR CONTENT

Welcome to the IIA **"MAHACON & Western regional conference 2025"** on 24th & 25th January' 2025 organized and hosted by IIA Thane Centre. This year the conference titled **"Confluence: Adaptive Reuse & Parametric Architecture."** is dedicated to celebrating the Glory of the Past through Adaptive reuse and contemplating the Future through Parametrics in Architectural design. We explore the possibilities and challenges of establishing the confluence of Reuse of Architecture of past with added vibrancy of futuristic techniques of Parametrics today and how these deliberations can essentially contribute to challenges and issues of today's Architectural Expressions

The souvenir

The Souvenir aims at capturing this pulse and sentiment of the "Mahacon 2025" by bringing to you an array of ideas, insights, findings and contributions related to Adaptive Reuse and Parametric Design in the field of Architecture today. In the challenging times today innovative approaches are required to cater to climate change, net zero and environmental impacts of Architecture on one hand and overconsumption on the other. Can the confluence of sustainable approaches and innovative design help in optimization of design, functionality and building performance today?

Theme

Adaptive reuse transforms obsolete or disused structures into functional spaces that meet current demands. This approach preserves the cultural and historical essence of built environment added to its inherent advantage of economic and ecological strategy. Parametricism, as a leading futuristic digital design methodology allows architects to articulate design variables through algorithms, creating a seamless integration between form, structure, and performance.This methodology shifts away from rigid modernist paradigms, embracing dynamic, organic, and interconnected forms which help cater to contemporary needs for sustainability and resource optimization; The approach of Adaptive reuse when executed through parametric design methodology will not only ensure continuity in urban and architectural identity but will also bring the golden balance between the Past and the Present.

We invite your insights for contributing to this new architectural language where the fluidity of parametric design enhances the timelessness of historical structures, resulting in built forms that are both contextually responsive and futuristic.

Sub Theme

1. **Preservation of History and Culture** : Parametric tools to reinterpret historic structures , Cultural values preserved through innovation , Balancing the Past and Present, Sustainable Inheritance ;and others
2. **Digital Tools and Design Innovations** : Structural Optimization , Performance based Design, Design adaptation and others Generative design , Advanced modelling techniques ;and others
3. **Sustainability and environmental Efficiency** : Optimizing building performance ,life cycle assessments and environmental sustainability , Sustainable building materials and techniques of construction ,Resource management; and others
4. **Resilience and Adaptability** : Responsive Architecture in context to Climate change and Natural disasters , Adaptability for Evolving user needs ,Future modifications and upcoming technologies; and others
5. **Economic Implications of Parametric Design:** Market trends and Financial viability, Managing construction waste and recycled building materials; and others
6. **Public Policy, Best Practices and Regulatory Frameworks:** Issues and Challenges in implementation for parametric interventions in historic and heritage precincts, Evolving building codes and preservation guidelines to incorporate innovative approaches, Policy advocacy for integrating parametric design; and others
7. **Socio cultural Impacts and Design Hybridity** :Aesthetic challenges and design opportunities , Merging parametric form with existing Architecture and/or Cultural landscape , Exploration of symbolic and visual meaning in Architectural hybrids, Preserving Cultural identity and Parametric Design innovations; and others
8. **Revitalization and regeneration of Urban Areas:** Contributions of Parametricism and Adaptive reuse in regeneration of setting, Challenges in working with Urban scale , cultural continuity and modern needs ; and others Urban areas, Role of computational design in revitalization of existing urban areas

Souvenir Content invited from Architects and Students of Architecture

Practicing Architects, IIA Members, Academicians, Research scholars, Undergraduate Students, Post Graduate Students

Categories of Souvenir Content for publication

We invite original thoughts in the form of Articles , Reviews, Documentations enriched with photographic representation , Architectural drawings, conceptual ideas and sketches ,Case studies, Architectural projects and Book reviews which will contribute to the making of a meaningful repository of challenges of today and way ahead for tomorrow on the theme of "Confluence of Adaptive Reuse and Parametric Architecture"

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Souvenir content guidelines

1. Articles, reviews in Word format (max1500 words), photographs in JPEGs or png format
2. Book reviews -maximum 500 words
3. Documentation/Architectural projects / Case studies submissions should include relevant visuals and descriptions.
   The text is single- spaces; uses a 12-point, font Times new roman, Calibri, Arial, employs italics rather than underlining (except with URL); all illustrations, figures, tables are placed within the text at the appropriate points, rather than at the end. Images should have a minimum resolution of 300dpi.

Relevant References, bibliography and credits of images to be added at the end of the content

Plagiarized and AI generated texts will not be accepted for publication

Last date of submission: 27th December 2024

For Content related inquiries: Email at souvenir.iiamahacon@gmail.com

For Registration https://forms.gle/UH8U6tigBWBVcZu79

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