



**CHANDIGARH
UNIVERSITY**
Discover. Learn. Empower.

**NAAC
GRADE A+**
ACCREDITED UNIVERSITY

QS WORLD UNIVERSITY RANKINGS
2024
RANKED 1ST
AMONGST PVT. UNIVERSITIES IN INDIA

2nd International Conference on
Trends in Architecture & Construction

ICTAC-2024

April 9th, 2024

COLLABORATIONS



UNIVERSITÀ
DEGLI STUDI
FIRENZE



Università degli Studi di Firenze - UniFI

Xi'an Jiaotong-Liverpool University - XJTLU



Organized by:

UNIVERSITY INSTITUTE OF ARCHITECTURE

ABOUT - CHANDIGARH UNIVERSITY

We are elated to share some exciting news from Chandigarh University, India. Chandigarh University has achieved significant recognition in the academic world, reinforcing its position as a top-tier institution. In the latest QS World Rankings for 2024, the university secured a remarkable place within the top 800, ranking at 771-780 globally. Furthermore, Chandigarh University takes pride in being ranked as the No.1 private university, a significant accomplishment that underscores our commitment to academic excellence.

Building on this success, Chandigarh University was also recognized in the QS Asia Rankings for 2023, achieving an impressive position at 185, making it the youngest university in Asia to debut in such a prestigious manner, placing among the top 1.7% of universities in the continent. Additionally, the university has secured the 27th rank among all universities in India in the NIRF Ranking by the Government of India, emphasizing our commitment to quality education. We are proud to mention that we are one of the youngest universities in the country to achieve an A+ Grade accreditation by NAAC, highlighting our dedication to delivering high-quality education and maintaining our position among the top 5% of higher education institutions in India. At Chandigarh University, we have cultivated strong partnerships with over 486 renowned universities across 95 countries, including 242 QS-ranked and 200 THE-ranked institutions. These partnerships enrich the global learning experiences of our students and faculty, fostering international collaboration, research, and cultural exchange. In

addition, we have established 30 industry-sponsored centers of excellence and labs in partnership with leading businesses, providing invaluable training and research support to our students and faculty.

ABOUT - UNIVERSITY INSTITUTE OF ARCHITECTURE

One of the premier centers for architectural research and education, the University Institute of Architecture pioneers innovation in the field with its forward-thinking and visionary approach to pedagogy. Our curriculum, curated to align with industry demands, reflects our commitment to empowering students with the necessary skills for a global career or successful entrepreneurship. Collaboration lies at the heart of our educational philosophy, as we bring together accomplished professionals from academia and industry to create a dynamic learning environment. By fostering a synergistic exchange of ideas and expertise, we ensure our students receive a comprehensive education that prepares them for the challenges of the profession.

Nestled in the vicinity of Chandigarh, a city shaped by the master plan devised by Le Corbusier in 1951, we draw inspiration from his architectural legacy. The principles of Corbusier's modernist vision resonate within our institution, where we perpetuate his school of thought. Chandigarh's architectural heritage, combined with our strategic location, provides an exceptional backdrop for immersive study trips, both within the city and beyond. At UIA, we are resolute in our commitment to training the next generation of architects in contemporary design and architectural trends.



ABOUT - THE CONFERENCE

The International Conference on Trends in Architecture and Construction emerges from a confluence of pivotal factors, each bearing significance in our contemporary landscape. Firstly, it underscores the importance of the modern approach to architecture and construction, as it inherently addresses the multifaceted challenges and ever-evolving needs of our society. The conference acknowledges the indelible significance of sustainable development within the realms of architecture and construction.

Given the escalating concerns surrounding climate change and the criticality of minimizing environmental impact, the imperative to foster sustainable practices in urban planning, design, and construction has become undeniably urgent. It duly recognizes the swift trajectory of technological advancements and their profound impact on the expansive domain of architecture and construction. From the transformative role of technology in design processes to the integration of AI and digital tools, it becomes imperative to remain abreast of the latest trends and developments that shape the fabric of our industry. Through insightful discussions and explorations, the conference will provide a platform to delve into the intricate interplay between technology and architecture. Equally vital is the conference's recognition of the profound significance of architectural education and pedagogy. As the industry undergoes a constant state of evolution, it remains paramount to stay abreast of emerging research trends, innovative teaching methodologies and the integration of digital tools in educational practices.

By offering deep insights and fostering meaningful discussions, the conference aims to elevate the quality of architectural education, preparing future professionals to navigate the challenges and seize the boundless opportunities that lie ahead. These overarching themes align with the prevailing trends and challenges within the realm of architecture and construction. They provide a comprehensive platform for robust discussions on sustainability, innovation, technology and education—the very cornerstones that propel our industry forward. The

International Conference on Trends in Architecture and Construction held on 18th September, 2017 witnessed a confluence of experts, professionals and Scholars bound with one goal to share their knowledge on the great platform provided by Chandigarh University. The 2nd International Conference on Trends in Architecture and Construction [ICTAC-2024] effectively satiates the inherent need for knowledge exchange, networking, and collaboration among professionals in this dynamic field. It steadfastly endeavors to foster a culture of innovation, sustainability, and unparalleled excellence in architecture and construction, thereby collectively nurturing the betterment of society at large.

OBJECTIVES

1. By providing a dynamic space for intellectual discourse, the conference aims to promote cross-pollination of ideas and inspire innovative approaches to architecture and construction.
2. Through insightful sessions and presentations by industry experts, the objective is to shed light on the latest developments, methodologies and practices that shape the future of the industry.
3. Recognizing the paramount importance of sustainability, the conference seeks to highlight and promote sustainable practices in architecture and construction.
4. Another key objective of the conference is to foster collaborative networks and professional connections.
5. One of its objectives is to inspire educators and empower them with the tools and knowledge needed to prepare the next generation of architects for the evolving challenges and opportunities in the field.

CALL FOR PAPERS

CONFERENCE THEME

1. Theme: Sustainable Cities and Communities

- Nature & Built Environment
- Urban Governance & Participatory planning
- Urban Resilience
- Climate responsive planning
- Rural-urban fringe
- Smart Cities & infrastructure

2. Theme: Innovative Architectural Design

- Architectural Studies
- Housing and community Spaces
- Strategies and Synergies in Architectural Design
- Energy-Efficient Practices
- Role of Technology in architecture and construction.

3. Theme: Construction Technologies

- Materials & Construction techniques
- Sustainable Building Solutions
- Disaster Preparedness and Resilient Practices
- 3D Printing in Construction
- Contemporary construction Practices

4. Theme: Architecture Education in the Digital Age

- Research Trends in Architecture
- Pedagogical Innovations in Architecture

- Digital Tools and Techniques
- AI in Architecture education

AUTHORSHIP

Authors should be individuals who have actively participated in the research study and made substantial contributions to it. Other individuals who contributed to the study but do not satisfy the criteria for authorship should be acknowledged in the paper. Please be aware that at least one author of a paper needs to attend the conference as a registered author.

ORIGINALITY

Authors must ensure that the submitted paper has not been published before or is under the publication process elsewhere. Duplicate and/or redundant publication will result in instant rejection. Authors have a responsibility to disclose the originality information of the paper, including contributions of all individuals who made substantial contributions to the study, such as involvement in the design of the study, data collection, or analysis. The use of materials from other resources, including their own published literature, should be clearly cited and quoted, obtaining permission from the copyright holder where appropriate.

COMPETING INTEREST

Authors must present their research findings accurately and objectively, disclosing any potential competing interests before submission. Funding resources (sponsors) should be declared in this section as well.

SUBMIT MANUSCRIPT

Important Dates

Abstract submission deadline	23 January 2024
Abstract acceptance notification	29 January 2024
Full-length paper submission deadline	19 February 2024
Full-length paper acceptance notification	11 March 2024
Last Date of Registration	20 March 2024
Date of Conference	09 April 2024

—Scan QR Code for Web Access—



Authors are invited to submit abstract/full paper using the On-line Submission System (CMT) please refer to the detailed guideline for online submission system. Any problems about the submissions, please contact:

ictac2024@cumail.in

LENGTH AND PAPER FORMAT

The paper length should be 4,000-6,000 words, and it must adhere to the conference's formatting guidelines.

SUBMISSIONS SHOULD COMPRISE

- Title Page: Title, Authors' information, Abstract, Keywords, Acknowledgements, Funding sources, Conflict of interest and Confidential information.

- Manuscript Contents: Title, Introduction, Description, Methods, Tables and Figures, Discussion Conclusion, etc
- Supplementary Material (Optional)

CONFERENCE FEE

- Research Scholars/ Academicians INR 6500
- Research Corporate / Industry INR 8000
- Research Foreign Participants USD 200



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