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Architects Regional Council Asia

ACPP

ARCASIA COMMITTEE ON PROFESSIONAL PRACTICE

ACPP CHAIR

Ar. Zhang Wei
ASC

ACPP REPORT for 45th COUNCIL MEETING

Ar. Zhang Wei | ACPP Chair 2024-25

LEGACY

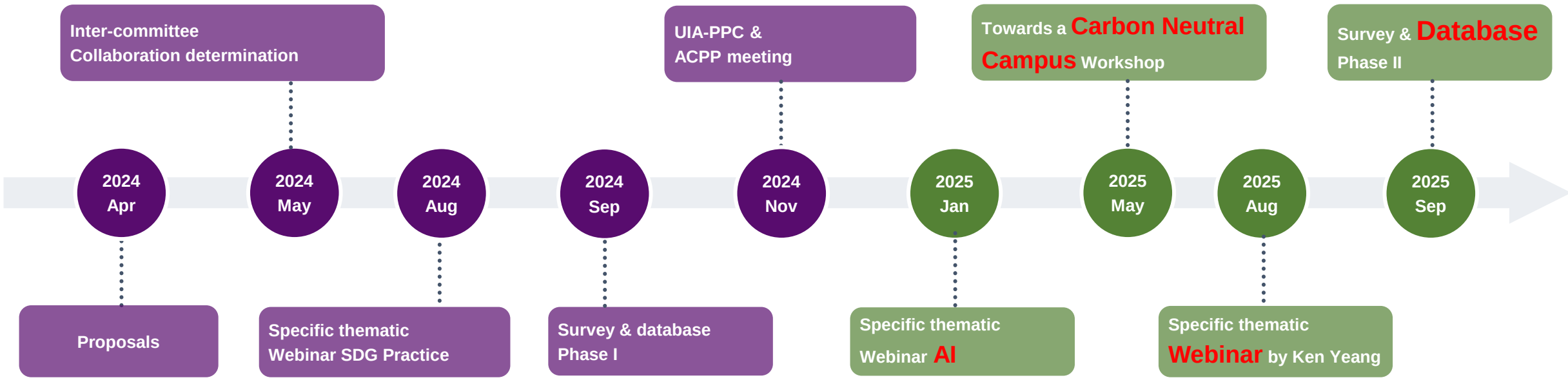
OVERALL / INCLUSIVITY

VISIBILITY

ENVIRONMENT

TIMELINE

ACPP roadmap 2024-2025



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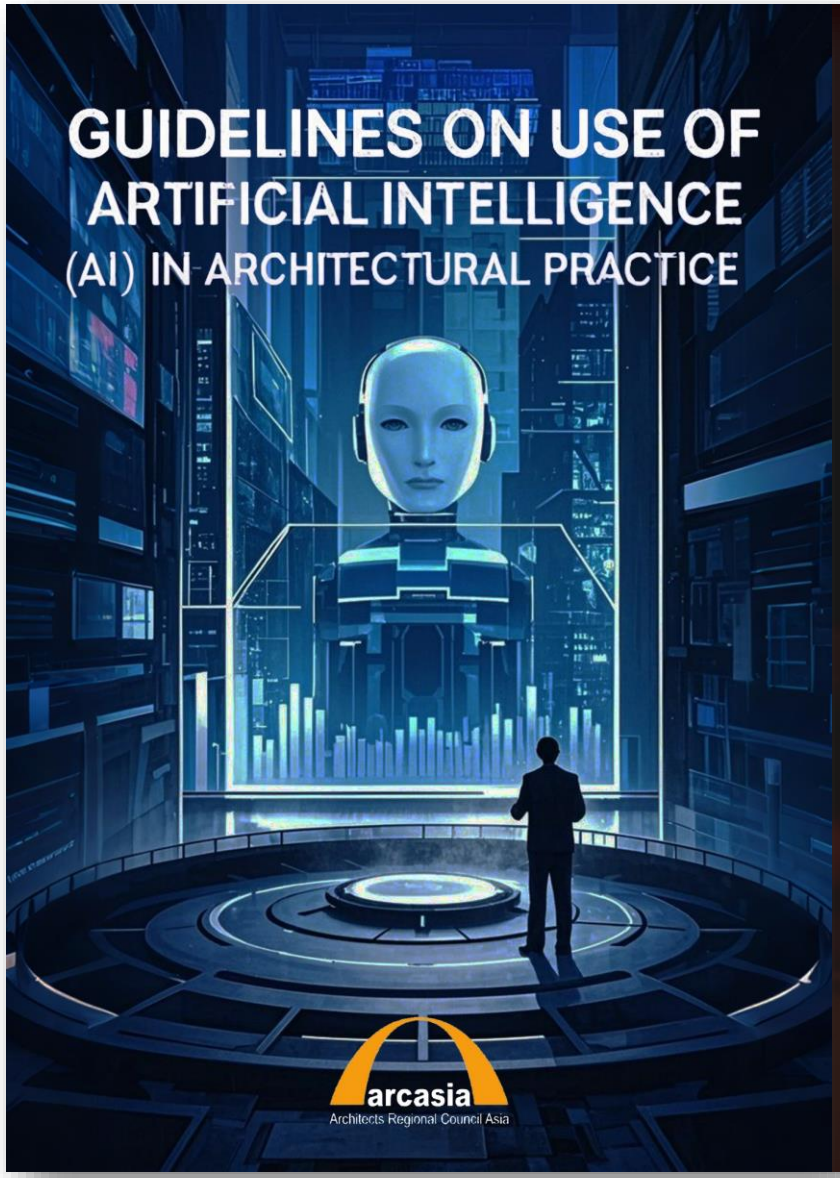

Discussions by members in the meeting

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Discussions by members in the meeting

ACAE and ACPP have jointly drafted **The Position Paper on AI**, with contributions from committee members and international experts.

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ACAE AND ACPP POSITION PAPER ON THE RESPONSIBLE INTEGRATION OF ARTIFICIAL INTELLIGENCE IN ARCHITECTURAL EDUCATION AND PRACTICE

WHEREAS, the Architects Regional Council Asia (ARCASIA), as a leading organization representing architectural professionals and institutions across Asia, recognizes the transformative potential and inherent challenges posed by the rapid advancement of Artificial Intelligence (AI) in architectural design, education, and practice;

WHEREAS, the responsible and ethical integration of AI is crucial for fostering innovation while preserving the core values of the architectural profession, including creativity, critical thinking, and human-centered design;

WHEREAS, the diverse architectural contexts and practices across ARCASIA's 22 member institutes necessitate a unified yet adaptable framework for the integration of AI, ensuring both consistency and responsiveness to regional needs;

WHEREAS, ARCASIA's unique position as a regional body empowers it to provide a comprehensive guide for architects, architecture educators and students, fostering a shared understanding and promoting best practices in the utilization of AI;

WHEREAS, the absence of clear guidelines on AI integration may lead to inconsistencies in educational standards and ethical practices across ARCASIA member institutes, potentially hindering the responsible development of the profession;

NOW, THEREFORE, BE IT RESOLVED, that the ARCASIA through its Committee on Architecture Education (ACAE) and Committee on Professional Practice (ACPP) hereby adopts the following on the responsible integration of Artificial Intelligence in Architectural Education and Practice:

I. Guiding Principles:

The integration of AI in architecture should be guided by the following principles:

I.1 Ethical and Responsible Use: AI tools should be employed to augment, not replace, human creativity, critical thinking, and professional judgment. Open communication with stakeholders regarding AI's role in the design process is paramount. Bias mitigation strategies must be implemented in AI tools and design processes to ensure inclusivity and fairness. Adherence to relevant local and international legal frameworks, professional standards, and ethical guidelines is mandatory. Intellectual property rights and ownership of AI-generated designs must be clearly defined and contractually agreed upon. Data privacy, confidentiality, and security must be strictly observed.

I.2 Sustainability and Efficiency: AI should be leveraged to optimize design processes, improve efficiency, and promote sustainability. This includes automating tasks, performing energy analysis, selecting sustainable materials, and conducting lifecycle cost assessments. The well-being of users, communities, and the environment should be prioritized.

I.3 Integration, Collaboration, and Continuous Learning: AI tools should seamlessly integrate with latest design software and workflows. High-quality, project-specific data should be used to ensure accuracy and reliability. Robust systems for tracking changes and AI contributions in collaborative projects are essential. Continuous staff training and regular assessment of AI tools are necessary to ensure alignment with design philosophies and project requirements.

I.4 Risk Management and Future-Proofing: The limitations of AI in areas requiring subjective or context-sensitive decision-making must be acknowledged. Rigorous quality control and checks should be implemented to ensure that AI outputs meet safety, legal, and design standards. Traditional workflows and backups should be maintained as safeguards against AI failures or inaccuracies. Continuous exploration of new AI capabilities is crucial for staying at the forefront of the industry. The development of industry standards and ethical frameworks for AI use in architecture should be actively supported.

II. Educational Guidelines:

Architectural education should incorporate AI responsibly, emphasizing its supplementary role:

II.1 Basic Training: Students should use AI for learning and exploration, avoiding plagiarism and understanding data privacy. Transparency in AI use should be promoted.

II.2 Developmental Phase: Students should practice responsible creativity, mitigating biases in AI-generated designs and respecting cultural sensitivities.

II.3 **Culmination Phase:** Students should demonstrate accountability in AI-assisted decisions, informed consent and communication, and a balance between innovation and practicality. The entire design process, from conception to completion, must remain the focus, with AI serving as a tool to enhance, not replace, the student's creative process.

POSITION PAPER ON THE RESPONSIBLE INTEGRATION OF ARTIFICIAL INTELLIGENCE IN ARCHITECTURAL EDUCATION AND PRACTICE

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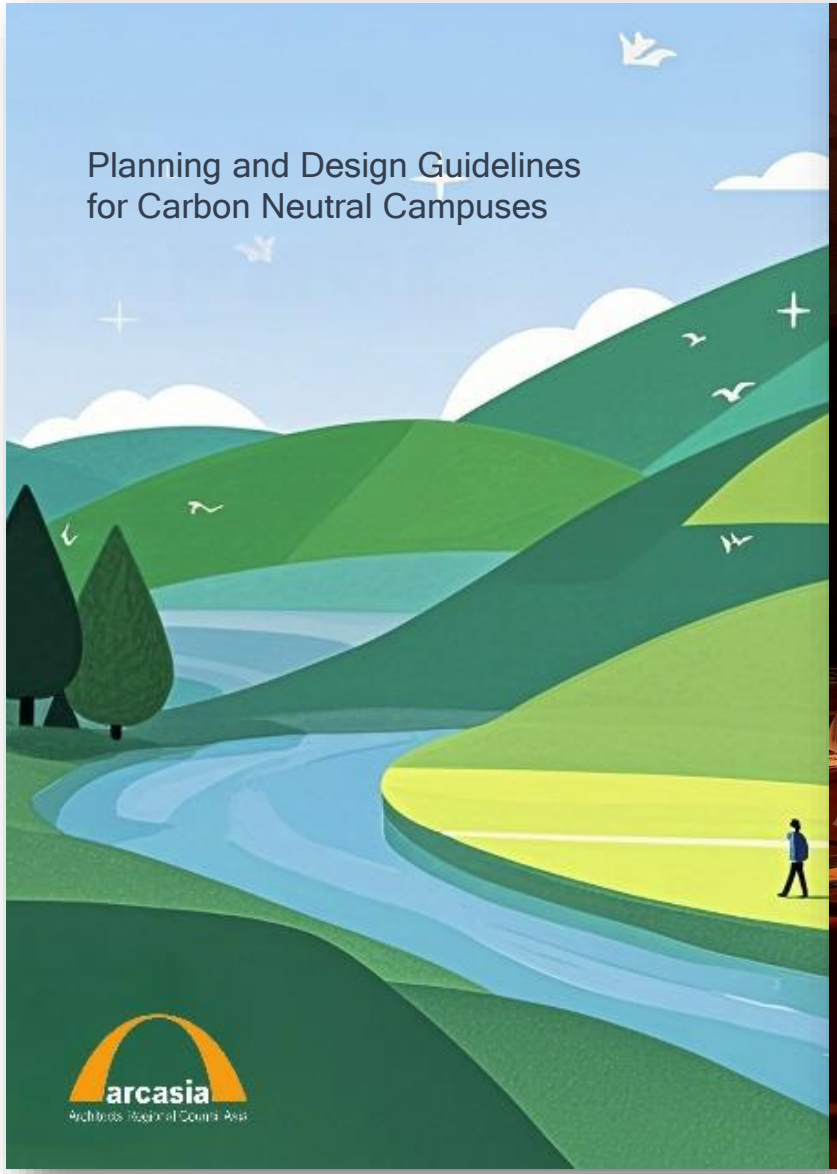

Discussions by members in the meeting

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2025 May

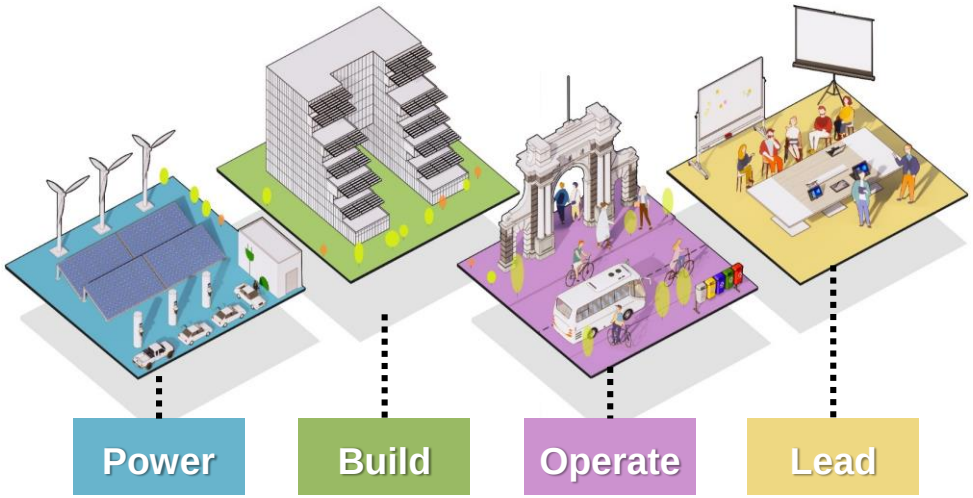
ARCASIA Seminar on Planning and Design for Campus Carbon Neutrality

CONTENT

Planning and Design Guidelines for Carbon Neutral Campuses was discussed and members shared their architectural practices in Asian countries.

2025 May

ARCASIA Seminar on Planning and Design for Campus Carbon Neutrality



The Campus Carbon Neutral Plan

CONTENT

This is an opportunity for architects to play a greater role in society. It is also a chance for architects to have **more new job opportunities** in the context of global climate change.

We **collaborate with ACGSA** and result in a carbon neutral planning guide for campus that is customized for architects. This will be a concise how-to manual.

The guide has been discussed at the workshop. The role played by the architect, the responsibilities to be assumed and the corresponding rights and interests also will be discussed in the same time.

THU Zero-Carbon Space Visit

Sharing of Tsinghua Campus Carbon Neutrality Initiatives

2025 May

ARCASIA Seminar on Planning and Design for Campus Carbon Neutrality

CONTENT

In the context of practice, we demonstrated the architect-led development of a carbon neutral diagnostic data platform.

Introduction to the CIM-Based Diagnostic Platform for Campus Carbon Neutrality of Tsinghua University

Introduction to Campus Carbon Neutrality Diagnostic Platform of Architectural Energy Efficiency Building, THU

2025 Aug 2nd

Webinar: From Survival to Global Leadership

Open Speech： Ar. Saifuddin Ahmad

Host：Ar. Zhang Wei

CONTENT

Ar. Ken Yeang delivered a keynote speech exploring how architectural practice has evolved from responding to crises and survival needs to becoming a global leader in promoting sustainable development, equity, and design innovation discussions.

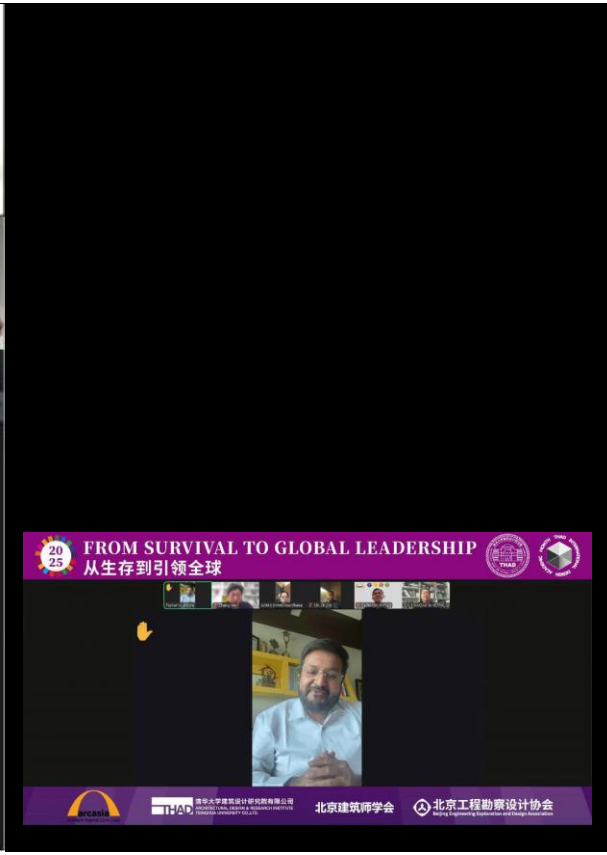
Keynote Speaker: Ken Yeang

2025 Aug 2nd

Webinar: From Survival to Global Leadership

CONTENT

This webinar provided opportunities for architectural professionals, scholars, and the public from Asia and across the country to have face-to-face discussions with renowned architects.



2025 Aug 2nd

Webinar: From Survival to Global Leadership

CONTENT

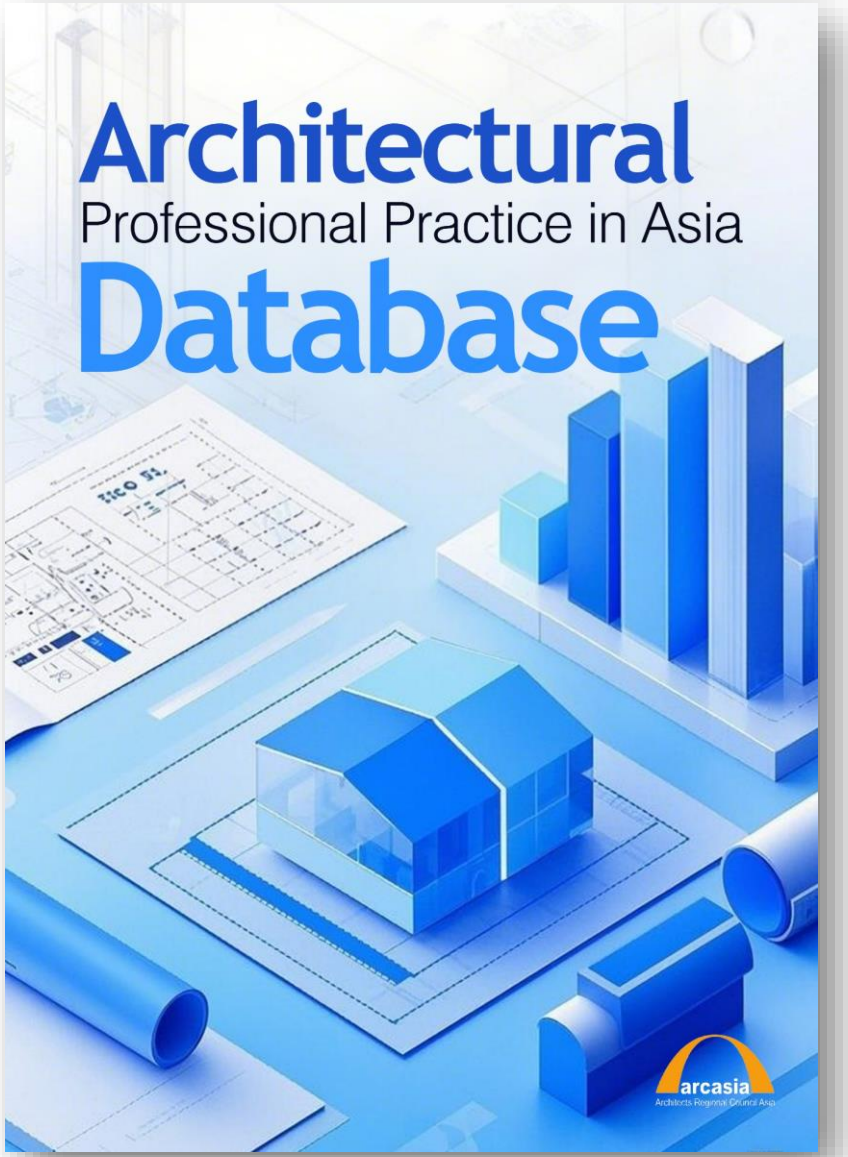
About **3000** people watched the live stream online.

2025 Sept

Survey and Database for Practice Phase II

After getting **more responses**, we will visualize all the data. We need everyone's support.

For the first time in history, ACPP will showcase Architectural Professional Practices In ASIA (APPA) through **data visualization**.



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ACPP DATABASE VISUALIZATION

08.09.2025

NUMBER OF REGISTERED ARCHITECTS

Need data: Maldives, Bhutan, Laos, Brunei, Myanmar, Vietnam, Mongolian

Note:
1. Data (Except Hong Kong) was collected in 15th Jan 2024, Colombo.
2. The identification of "Registered Architects" are different, normally based on education level, practical experiences, and examination results. As for China, it represents "First grade register architect.)
3. In Japan, Kenchikushi, a professional who plays the dual role of an architect and a building engineer is registered. However, the registration is often not deleted when the person deceases. So the official registered number is very high, 371,196 in 2021. We consider that there are about 50,000 Kenchikusi who practice architectural design in Japan. Data from UIA APAW Survey 2024.
4. Data for HongKong was collected in 15th Mar 2019, Manila.

NUMBER OF REGISTERED ARCHITECTS/ 1000 INHABITANTS

Need data: Maldives, Bhutan, Laos, Brunei, Myanmar, Vietnam, Mongolian

Note:
1. Data (Except Hong Kong) was collected in 15th Jan 2024, Colombo.
2. The identification of "Registered Architects" are different, normally based on education level, practical experiences, and examination results. As for China, it represents "First grade register architect.)
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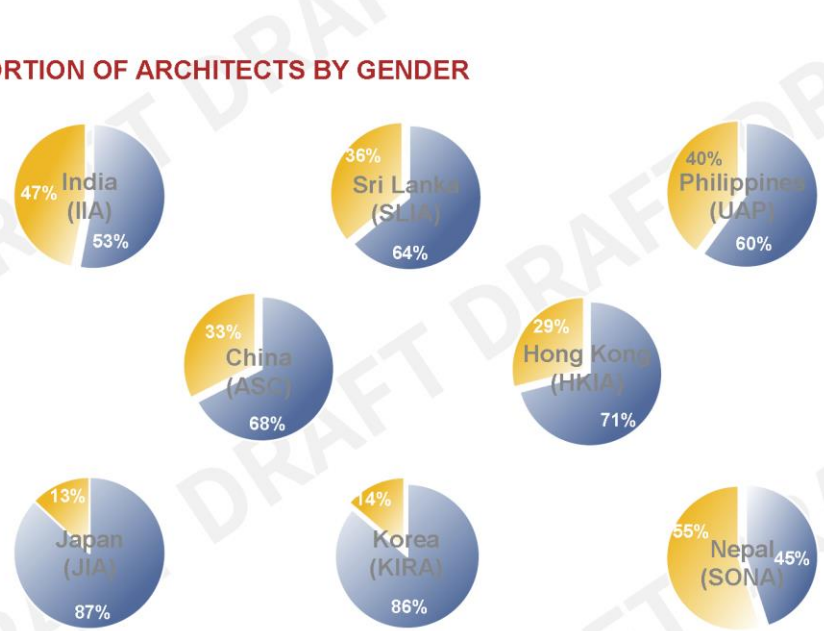
PROPORTION OF ARCHITECTS BY GENDER



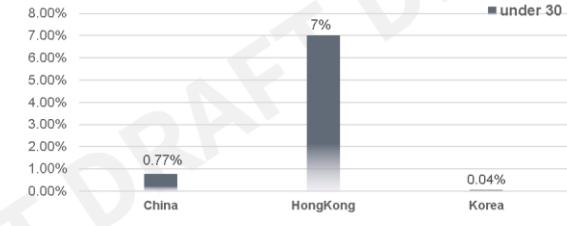
Need data: Maldives, Bangladesh, Pakistan, Bhutan, Laos, Brunei, Myanmar, Singapore, Thailand, Indonesia, Vietnam, Mongolian, Malaysia, Macau

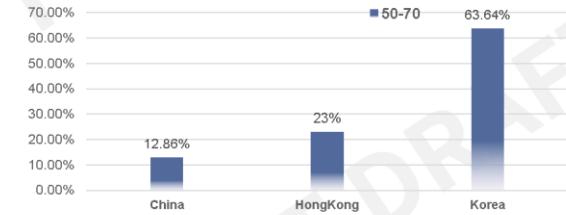
Data from Hong Kong and Philippines need to update to 2024~2025

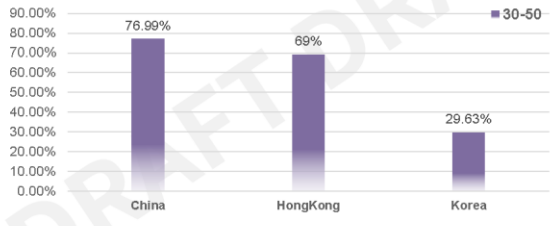
Note:
1. Data (except Japan, Nepal, Philippines, Hong Kong)collected in 15th Jan 2024, Colombo.
2. Data for Japan and Nepal were collected in UIA APAW Survey 2024.
3. Data for Philippines and Hong Kong were collected in 15th Mar 2019, Manila.

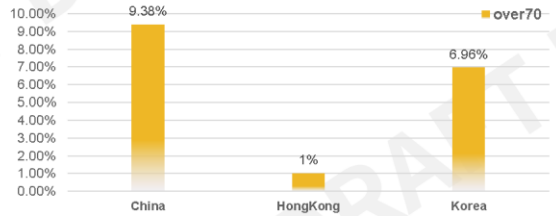
PERCENTAGE OF ARCHITECTS

Need data: Maldives, Bangladesh, India, Sri lanka, Pakistan, Bhutan, Laos, Brunei, Myanmar, Singapore, Thailand, Indonesia, Vietnam, Mongolian, Malaysia, Macau. Philippines, Japan, Nepal

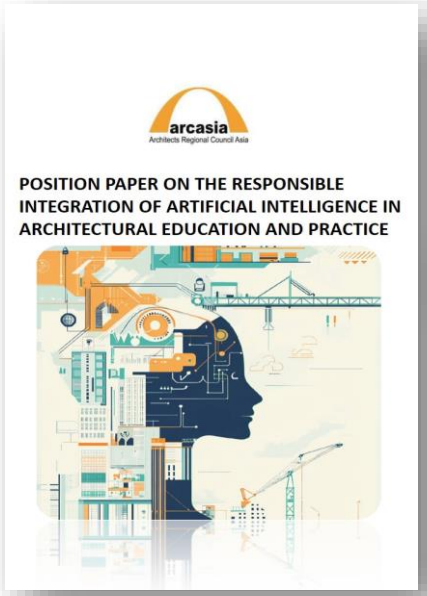








Note:
1. Data for China and Korea were collected in UIA APAW Survey 2024.
2. Data for Hong Kong was collected in in 15th Mar 2019, Manila.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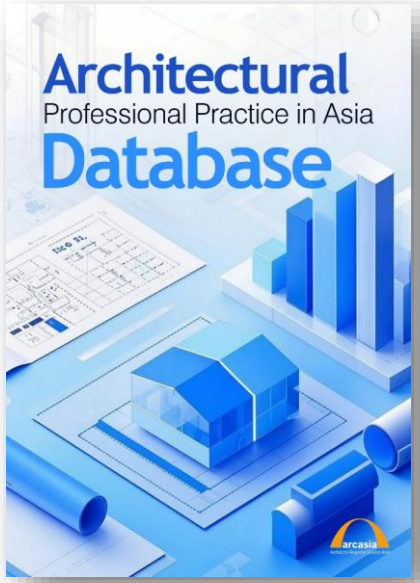
POSITION PAPER ON THE RESPONSIBLE INTEGRATION OF ARTIFICIAL INTELLIGENCE IN ARCHITECTURAL EDUCATION AND PRACTICE


Architectural
Professional Practice in Asia
Database
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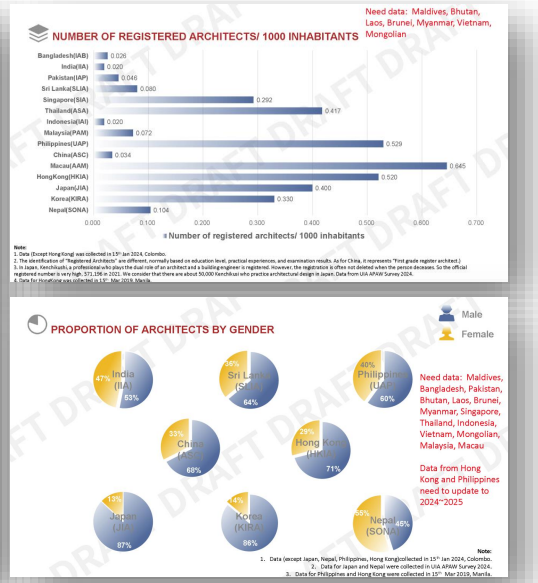
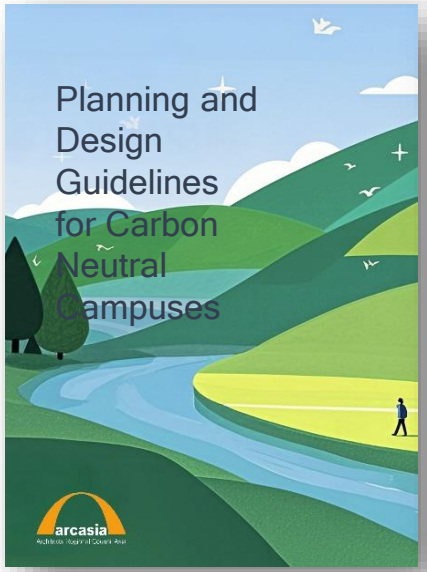

NUMBER OF REGISTERED ARCHITECTS/ 1000 INHABITANTS
Need data: Maldives, Bhutan, Laos, Brunei, Myanmar, Vietnam, Mongolian
Bangladesh(IAB) 0.026
India(IIA) 0.020
Pakistan(IAP) 0.046
Sri Lanka(SLIA) 0.080
Singapore(SIA) 0.292
Thailand(ASA) 0.417
Indonesia(IAI) 0.020
Malaysia(PAM) 0.072
Philippines(UAP) 0.529
China(ASC) 0.034
Macau(AAM) 0.645
HongKong(HKIA) 0.520
Japan(JIA) 0.400
Korea(KIRA) 0.330
Nepal(SONA) 0.104
0.000 0.100 0.200 0.300 0.400 0.500 0.600 0.700
Number of registered architects/ 1000 inhabitants
PROPORTION OF ARCHITECTS BY GENDER
Male
Female
India (IIA) 41% 59%
Sri Lanka (SLIA) 36% 64%
Philippines (UAP) 40% 60%
China (ASC) 32% 68%
Hong Kong (HKIA) 29% 71%
Japan (JIA) 13% 87%
Korea (KIRA) 14% 86%
Nepal (SONA) 54% 46%
Need data: Maldives, Bangladesh, Pakistan, Bhutan, Laos, Brunei, Myanmar, Singapore, Thailand, Indonesia, Vietnam, Mongolian, Malaysia, Macau
Data from Hong Kong and Philippines need to update to 2024~2025


Planning and Design Guidelines for Carbon Neutral Campuses
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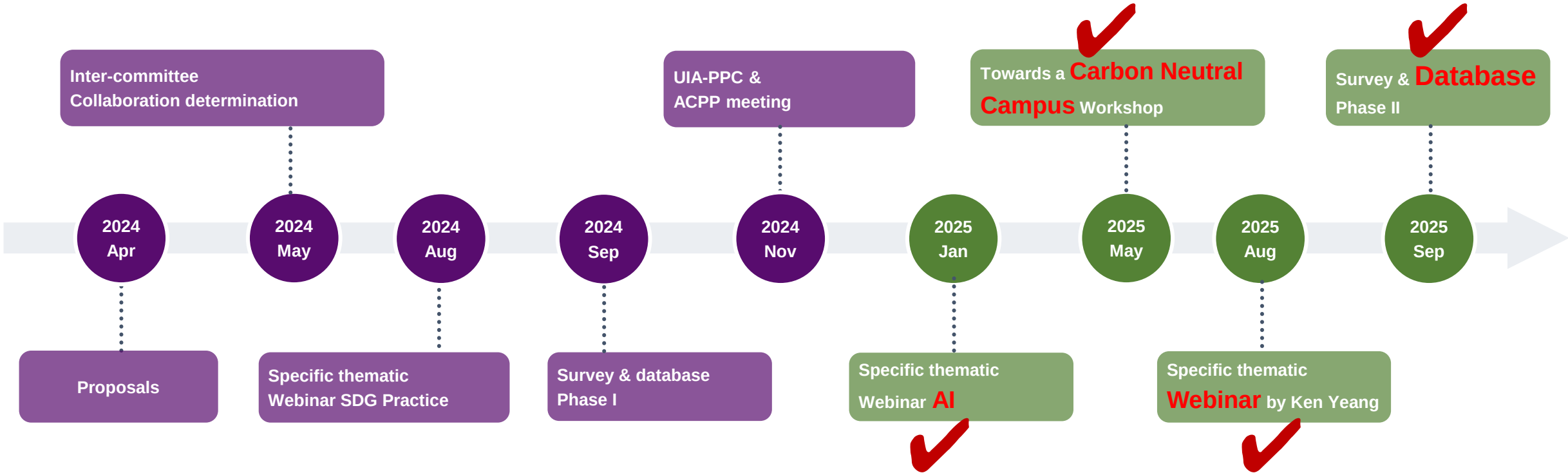
ARCASIA SEMINAR
REDUCE YOUR CARBON FOOTPRINT
CAMPUS CLIMATE ACTION
SUSTAINABLE TRANSPORT
GREEN BUILDING DESIGN
CARBON-FREE ENERGY
Save The Planet


2025
ARCASIA
FROM SURVIVAL TO GLOBAL LEADERSHIP
从生存到引领全球
演讲人
致辞嘉宾
主持人
2025.08.02
14:00
zoom
会议 ID:
861 2138 5512
密码:
978779
微信直播
arcasia
2025THAD国际设计学术月
北京建筑师学会
北京工程勘察设计协会

TIMELINE

ACPP roadmap 2024-2025



We are **ACPP**

We will try to do
something **NEW**
something **INTERESTING**
something **DIFFERENCE**

We are passionate about the professional practice of architecture.

Thank You !