

# ACGSA PROGRESS REPORT 2023



# ABOUT **ACGSA**

ACGSA Air Philosophy

**01**

# ACGSA (AIR) PHILOSOPHY

The ARCASIA Committee on Green & Sustainable Architecture (ACGSA) is continuously working towards the **objectives of ARCASIA** to promote the *Sustainable Development Goals* & promote *Green & Vernacular building practices* by using the **AIR Philosophy**:

A

## AWARENESS

To spread awareness about the sustainable development goals of ACGSA

I

## IMPLEMENT

To make it a habit for everyone involved to act upon in their everyday lives

R

## RESEARCH

To be informed by extensive research on new technologies & methods to tackle problems & achieve goals

# ACGSA Chairs/ Past Chairs



**Ar. Tushar Sogani**

Chairman – ACGSA  
(Indian Institute of Architects - **IIA**)



**Ar. Dr. Acharawan Chutarat**

Immediate Past  
Chair – ACGSA  
(The Association of Siamese Architects - **ASA**)



**Ar. Alice Leong Pek Lian**

Deputy Chair – ACGSA  
(Pertubuhan Akitek Malaysia - **PAM**)



**Ar. Qazi Arif**

Past Chair – ACGSA  
(Institute of Architects Bangladesh - **IAB**)



**Ar. Debatosh Sahu**

Past Chair – ACGSA  
(Indian Institute of Architects - **IIA**)

# ZONAL REPRESENTATIVES



Ar. Prof. Zebun Nasreen Ahmed

**Zone A** Representative  
(Institute of Architects Bangladesh - **IAB**)



Dr. Ar. Nguyen Quoc Tuan

**Zone B** Representative  
(Vietnam Association of Architects - **VAA**)



Ar. Donna Wu

**Zone C** Representative  
(Architects Association of Macau - **AAM**)

# ACGSA TEAM – Official Representatives (Zone A)



**Ar. Gaurav Agarwal**  
(The Indian Institute of  
Architects - **IIA**)



**Ar. Sujaul Islam Khan**  
(Institute of Architects  
Bangladesh - **IAB**)



**Ar. Mishaal R. Merchant**  
(Institute of Architects  
Pakistan - **IAP**)



**Ar. Damith Premathilake**  
(Sri Lanka Institute of  
Architects - **SLIA**)



**Ar. Ruchi Bajracharya**  
(Society of Nepalese  
Architects - **SONA**)

# ACGSA TEAM – Official Representatives (Zone B)



**Ar. Amornrut Det -  
Udomsap**

(The Association of  
Siamese Architects  
under Royal Patronage  
- **ASA**)



**Yaseri Dahlia Apritasari**

(Ikatan Arsitek  
Indonesia - **IAI**)



**Ar. Alice Leong Pek Lian**

(Pertubuhan Akitik  
Malaysia - **PAM**)



**Ar. Tan Szuе Hann**

(Singapore Institute of  
Architects - **SIA**)



**Ar. Michaela Rosset**

(United Architects of  
Philippines - **UAP**)



**Dr. Ar. Nguyen Quoc  
Tuan**

(Vietnam Association  
of Architects - **VAA**)

# ACGSA TEAM – Official Representatives (Zone C)



Ar. Rover Cheung

(The Hong Kong  
Institute of  
Architects - **HKIA**)



Ar. Terukazu Nii

(The Japan  
Institute of  
Architects - **JIA**)



Ar. Kyutae Do

(Korea Institute of  
Registered  
Architects - **KIRA**)



Ar. Tsovodavaa  
Gantumur

(Union of  
Mongolian  
Architects - **UMA**)



Ar. He Ching

(Architectural  
Society of China -  
**ASC**)



Ar. Donna Wu

(Architects Association  
of Macau - **AAM**)

# ACGSA EVENTS

Selected projects and  
events within the spectrum

02

# 12<sup>th</sup> ROUND TABLE CONFERENCE

Every year a **round table conference** is held which invites architects from many different countries to gather and discuss the possible solutions to problems, sustainable practices and upcoming technologies worth including in everyday architectural practice.

ARCASIA's **12th Round Table Conference** was hosted by The Indian Institute of Architects (IIA) in Jaipur, India on May 23, 2022 over the theme: **Bringing Back**





**arcasia**  
Architects Regional Council Asia

ARCASIA  
**GREEN & SUSTAINABLE A**  
**ACGSA**



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Architects Regional Council Asia

**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture



# ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE ACGSA



# ACGSA

ARCASIA Committee on Green & Sustainable Architecture

# ARCASIA FORUM-21

A first of its kind, hybrid committee meeting was held during the ARCASIA Forum-21 at Ulaanbaatar, Mongolia. Member institutes from all over the world joined in for discussions on the main theme entitled - **'Alternative Energy Options for the Future'**, a topic chosen after careful consideration because the world now needs to prioritize to transform our energy systems and speed up the shift to renewable energy - **“because without renewables, there can be no future.”**





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COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE  
ULAANBAATAR MONGOLIA  
2022

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ARCASIA Committee on Green & Sustainable Architecture

# Green AsiARCH (EXHIBITION)

**Green AsiARCH Exhibition** is held every year wherein different countries participate to display ideas and projects pertaining to sustainability.

The best 02 projects from each country member institute are selected for the display in the exhibition.

ARCASIA's **04<sup>th</sup> Green AsiARCH Exhibition** was hosted at Ulaanbaatar, Mongolia during the **ARCASIA Forum – 21**.



**Arcasia Committee on  
Green & Sustainable Architecture  
GREEN AsiARCH- 04 at Ulaanbaatar Mongolia**

*Exhibition Snippets*



# InnoCell

HONG KONG SCIENCE PARK

INSPIRE AND RECREATE  
CO-WORK & CO-LIVE 24/7



## Project Facts

**Country** / Hong Kong S.A.R., China

**Name of the Project** / InnoCell, Hong Kong Science Park

**Function** / Residential institution with smart living and co-creation space

**Location** / 1 Chong San Road, Tai Po, New Territories, Hong Kong S.A.R.

**Gross Floor Area** / 15,300sqm

**Site Area** / About 3,000sqm

**Year of Completion** / 2020

List of Project Teams:

**Lead Architectural Consultant** / Leigh & Orange Limited

**Client** / Hong Kong Science and Technology Parks Corporation

**M & E Consultant** / Ove Arup & Partners (HK) Limited

**Civil, Geotechnical & Structural Engineer** / WSP (HK) Limited

**Quantity Surveyor** / Currie & Brown Limited

**Main Contractor** / Hip Hing Engineering Company Limited

**Environmental, Acoustic & Sustainability** / Allied Environmental Consultant Limited

**Facilities Management** / Jones Lang LaSalle



**Country:** Hong Kong – Project 01  
**Project:** InnoCell  
**Hong Kong Science Park**  
**Architect:** Leigh & Orange Limited



# On Tai Estate



The old Anderson Road Quarry, used to be a barren land at the urban fringe, has been transformed into an "Urban Oasis" restoring green lives for a new community of 8 500 families in 11 domestic blocks.

The development connected the existing MacLehose trail and the future Anderson Quarry Park and also respected the Tai Sheung Tok ridgeline in the building block disposition which harmonized with nature. Based on findings from the public engagement workshops, we initiated the connection to four existing estates, decided on the local provisions, fixed the green oasis theme, and allowed connections to future developments.

## Project Description



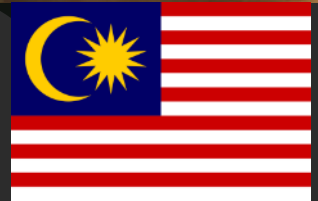
**Country:** Hong Kong – Project 02

**Project:** On Tai Estate,  
Kwun Tong, Kowloon

**Architect:** HKHA – Hong Kong Housing Authority



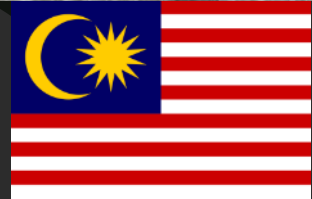
Country : MALAYSIA  
Name of the Project : 1 LASAM  
Location : PERAK  
City : IPOH  
Land Area : 2094.25 SQM  
Built Area : 2,738.13 SQM  
Year of Completion : 2021  
Architect : Ar. KUEE SHEAU SHYUAN  
Consulting Firm : Kuee Architect  
Structure Engineer : AJL PERLINDING  
MEP Engineer : ATEC CONSULTING ENGINEERS  
GBI Consultant : GREEN QUARTER SDN BHD  
Cost of the project (in US\$) : 1.2 MILLION



**Country:** Malaysia – Project 01  
**Project:** 1 LASAM, Ipoh  
**Architect:** Kuee Sheau Shyuan



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**Country:** Malaysia – Project 02  
**Project:** Wao Shelter Home, Klang Valley  
**Architect:** Syah Kamaruddin



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**Country:** Japan – Project 01  
**Project:** Miyako Shimojishima; Airport Terminal, Okinawa  
**Architect:** Shinji Kaneuchi & Masanobu Koizumi



**Country:** Sri Lanka – Project 01  
**Project:** The Quarry Site, Nature Pavilion  
**Architect:** Gayan Herath Chartered Architects

# PANNAR SUFFICIENCY ECONOMIC AND AGRICULTURE LEARNING CENTER

Location of Project: Nai Mueang, Thailand.

Year Completion: 2021

Cost:

Total Floor Area:

Site Area: 14 acres

Architect: Vin Varavarn Architects

Cost of the project (\$):

Awards:

- National Best Architecture ASA Gold Award 2022, for Sustainable/Social Architecture,

- Golden Pin Design Mark Awards, Taipei, 2021



**Country:** Thailand – Project 01

**Project:** Pannar Sufficiency Economic & Agricultural Learning Center

**Architect:** Vin Varavarn Architects



Location of Project: The Forestias, Samut Prakan, Thailand

Year Completion: 2020

Site Area: 48,000 square meters.

Total Floor Area: 1,230 square meters.

Architect: Foster + Partners – Foster + Partners

Local Architect: DT Design

Interior Designer: Bug & DT Design

Landscape Designer: TK Studio Co.

Structural And Civil Engineer: Eec Lincolne Scott

Mep Engineer: EEC Engineering Network

Lighting Specialist: Apld

Hardscape Contractor: Christiani & Nielsen (Thai)

Softscape Contractor: CPS

Quantity Surveyor: Aecom (Thailand)

Sustainability Consultant: Atelier Ten Ltd.

Awards: National Best Architecture ASA Gold Award 2022  
for Office/Commercial Building



## FOREST PAVILLION at The Forestiers



GREEN AsiARCH2022



**Country:** Thailand – Project 02  
**Project:** Forest Pavilion  
**Architect:** Fosters + Partners





**Country:** Brunei – Project 01  
**Project:** Eco Luxury Resort



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**Country:** India – Project 01  
**Project:** School in the Dump yard, New Delhi



**Country:** Bangladesh – Project 01  
**Project:** Vision Garden, BPATC, Savar, Dhaka  
**Architect:** Ahsan Samim Sumit



**Country:** Bangladesh – Project 02  
**Project:** Ekmattra Dutch, Bangla Bank Academy  
**Architect:** Iqbal Habib, Ishtiaque Zahir Titas, Shahnaz Akhter



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**Country:** China – Project 01  
**Project:** Han Theatre of Wuhan International EXPO Center  
**Architect:** Wang Xiaohui, Liu Ying, Yin Jintao, Xia Ni, Wu Sixing



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# Project Overview

**Country:** China  
**Name of the Project:**  
The Renovation and Adaptive Reuse of the Panoff Mansion  
**Location:** Wuhan, China  
**Land Area:** 2681.06m<sup>2</sup>  
**Built Area:** 12519.24m<sup>2</sup>  
**Year of Completion:** in progress

**List of Professionals:**  
**Architects:** Xiao Wei, Qi Wei,  
Zhang Xi , Wang Xiang, Li  
Yuting ,Zhang Wenzhu  
**Structure:** Zhong Xun, Lei  
Daowei,Zhang si  
**MEP & Sustainable Design:**  
Zhang Fan,Cai Xiongfei,Shen  
Jinfang,Tang Xiaoliang  
**Cost of the Project:** 17.53 million \$



Site Area



**Country:** China – Project 02  
**Project:** The Renovation & Adaptive Reuse of Panoff Mansion  
**Architect:** Xiao Wei, Qi Wei, Zhang Xi, Wang Xiang, Li Yuting





**Country:** Pakistan – Project 01  
**Project:** Telenor Campus, Islamabad, Pakistan

# VERNACULAR WISDOM (BOOK)

The **Vernacular Wisdom** book was launched and distributed in the **ARCASIA Forum - 21**. The major attraction of the meeting was the launch of the this book which was the outcome of the previous meetings of ACGSA Committee under the editorial panel of Ar. Qazi M Arif, Ar. Debatosh Sahu & Ar. Acharawan Chutarat, Ar. Tushar Sogani & Ar. Amina Q Mirza.



*Book Cover*



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# Water Management: Practices & Challenges (WEBINAR)

Speakers from 05 different countries got together to host a webinar that tackled the theme: **Water Management: Practices & Challenges.**

Water is a vital issue. Discussions in the webinar included questioning technologies and policy standards for the better use and implementation of adequate water supply as **'Water itself is life'**.

The Webinar was conducted on **December 19, 2022** online.

**Water Management** Practices and Challenges

ACGSA  
ARCHITECTURE COLLEGE OF GUYANA & REGIONAL ASSOCIATION

<https://us02web.zoom.us/j/87073025455?pwd=U1c1TTBwRGJDNuShOFd1TWJqZDJUJT09>

Chair  
Ar. Tushar Sogani, ACGSA Chair, IIA

**19 December 2022**  
3pm to 5pm GST

**SPEAKERS**

Ar. Dr. Zohun Nazim Ahmad  
BANGLADESH

Ar. Georav Agarwal  
INDIA

Ar. Padma Sundar Joshi  
NEPAL

Ar. Demeth Prasad Chakrabarti  
SRI LANKA

Ar. Mashal Merchant  
PAKISTAN

Architecture is a multi-disciplinary area, where problems and challenges of various disciplines juxtapose and demand attention in the ultimate outcome, which is the building itself, the brainchild of the Architect. Water is one such vital issue. Without due attention to the needs of providing and controlling this vital commodity we are threatening our very existence. As the saying goes, 'Water itself is Life'. It is needed to sustain life on earth, and to keep the planet healthy. Unfortunately, this resource is limited; anthropogenic activities have been steadily decreasing its availability, both at the earth's surface as well as from underground sources. Climate change is affecting the surface availability of potable and safe water, while over-extraction and industrial and agricultural processes, are affecting the underground water tables. Adequate water supply within built environments needs to be incorporated in habitats, and recognising the need for its control, there are regulations and standards in place. Despite this, built up areas become the main extractors of available water, extraction of which is presenting tremendous challenges for human civilization itself, whether by floods or by droughts. The question remains, how can we design communities and habitats to address the dire situation that is being created globally, one that is irrevocably changing our climate? The purpose of this webinar is to discuss this, to focus on connections between water needs, related building design issues and contextual relationships that need to be addressed to confront this age of the Anthropocene.

arccasia  
ARCHITECTURE COLLEGE OF GUYANA

Moderator  
Dr. T. T. Coordinator

Ar. Anubha Gadhani Ar. 142  
Ar. Anil Mackintosh, IAR



Mishaal Merchant (IAP)

ACGSA



Jubaida Gulshan Ara Shimu



TUSHAR SOGANI



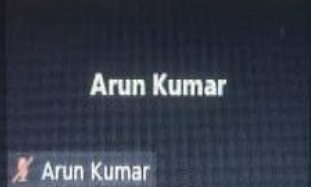
Ar GAURAV (IIA)



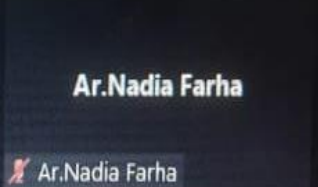
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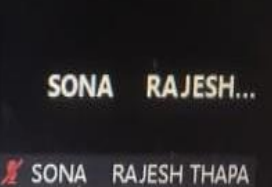
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Arun Kumar



Ar.Nadia Farha



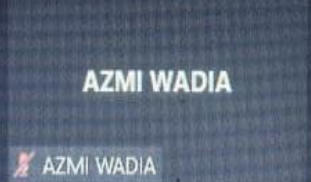
SONA RAJESH THAPA



Zebun Nasreen Ahmed



Roman



AZMI WADIA



Jubaida Shimu



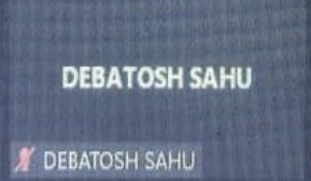
Khadija



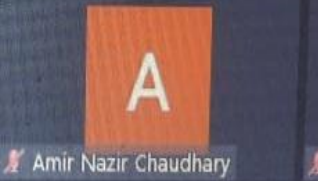
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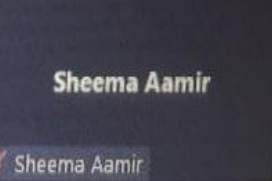
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DEBATOSH SAHU



Amir Nazir Chaudhary



Sheema Aamir



Anu



Jayantha Perera



Najma's iPhone



WEBINAR

# Water Management Practices and Challenges

19 December 2022  
3pm-5pm (BST)



## Water Management Practices & Challenges

- Ar. Gaurav Agrawal  
The Indian Institute of Architects (IIA)



### Presentation 1

Ar. Gaurav Agrawal (INDIA)



WEBINAR

# Water Management Practices and Challenges

19 December 2022  
3pm-5pm (BST)



## Water Management

*Practice and Challenges in Architecture*

Resilient Water Systems of Sri Lanka

ARCHT. DAMITH PREMATHILAKE

Sri Lanka Institute of Architects



Presentation 2

Ar. Damith Pramithalake (SRI LANKA)

WEBINAR

# Water Management Practices and Challenges

19 December 2022  
3pm-5pm (BST)



# PAANI KI DOHRI KAHANI



Presentation 3

Ar. Mishaal Merchant (PAKISTAN)

**Water Management** Practices and Challenges



**19 December 2022**  
**3pm to 5pm BST**



# **Water Management**

## ***Practices and Challenges in Architecture***

### **The Bangladesh Context**

**Ar. Dr. Zebun Nasreen Ahmed**  
**Institute of Architects Bangladesh**



**Presentation 4**

**Ar. Zebun Nasreen Ahmed (BANGLADESH)**

# 13<sup>th</sup> ROUND TABLE CONFERENCE

ARCASIA's **13th Round Table Conference** was hosted by The Society of Nepalese Architects (SONA) in Kathmandu, Nepal on **January 18, 2023**. The conference invited architects from many different countries divided into **03 main committees**.

The theme of the ACGSA conference was entitled - **'Resilient Architecture in Asia'**.





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# ACGSA

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13<sup>th</sup>  
ROUND TABLE  
CONFERENCE

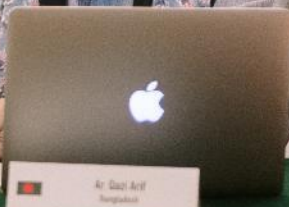
ARCASIA COMMITTEE ON  
& SUSTAINABLE ARCHITECTURE



Air Achawan Chulawat  
Thailand



Air Tahir Sugan  
Indonesia



Air Gazi Arif  
Singapore



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# Cross Committee Collaborations, 2023

During the 13<sup>th</sup> Round Table Conference, the 05 committees of **ARCASIA**: **ACGSA, ACYA, ACAE, ACPP & ACSR** gathered for discussions over the objectives of ARCASIA, promote the **Sustainable Development Goals** & promote **Green & Vernacular building practices**.

**arcasia**  
Architects Regional Council Asia

Ar. Thomas Cheung  
(Chairperson, ACSR)

Ar. Tushar Sogani  
(Chairperson, ACGSA)

Ar. Mukul Goyal  
(Chairperson, ACPP)

Ar. Abu Sayeed M. Ahmed  
(President, ARCASIA)

Ar. Bisma Askari  
(Chairperson, ACYA)

Ar. Adrianta Aziz  
(Chairperson, ACAE)

**Cross Committee Collaboration 2023**

18 January, 2023  
04.30 p.m. - 05.30 p.m.  
Hotel Radisson, Kathmandu, Nepal

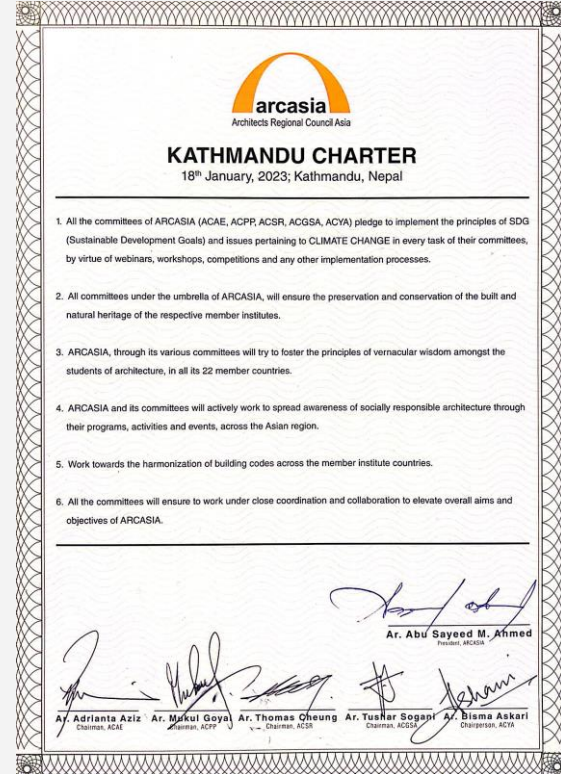
Hosted by:  
SONA - Society of  
Nepalese Architects



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ARCASIA Committee on Green & Sustainable Architecture

# KATHMANDU CHARTER

A Charter was pledged between the 05 committees of **ARCASIA: ACGSA, ACYA, ACAE, ACP & ACSR** to promote & follow the **Sustainable Development Goals** & issues pertaining to **Climate Change** in every task of their committees, by virtue of *webinars, workshops, competitions & any other implementation processes* to promote the **AIR Philosophy** of ACGSA & ARCASIA





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# MOU - DHAKA ACGSA x ACYA

An **MOU was signed** between the two committees of ARCASIA – **ACGSA & ACYA** to promote and follow the objectives of ARCASIA, promote the **Sustainable Development Goals** & promote **Green & Vernacular building practices**. They wish to take up assignments that foster and maintain mutual cooperation and assistance among member institutes in the Asian Region.





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**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture

# Diversity in Sustainable Architecture (WEBINAR)

Speakers from 05 different countries got together on **26<sup>th</sup> August, 2023** to host a webinar that tackles the theme: **Diversity in Sustainable Architecture.**



Zone - C Webinar

## Diversity in Sustainable Architecture.



Ar. Dr. Abu Sayeed M. Ahmed  
PRESIDENT (ARCASIA)



Ar. Tushar Sogani  
CHAIRMAN (ACGSA)



Ar. Acharawan Chutarat  
MODERATOR (Immediate Past Chair, ACGSA)

### SPEAKERS



Ar. Jeong In Leng Yvonne  
(HKIA)



Ar. Xiao Lan  
(ASC)



Ar. Sung Hoon park  
(KIRA)



Ar. Donna  
K.K. Wu  
(AAM)



Ar. Ben  
Nakamura  
(JIA)

📅 26th August '23  
🕒 3 PM Beijing Time

Scan for  
the link.





# Diversity in Sustainable Architecture.

Zone - C Webinar



Recording...

View

Unmute Start Video Security Participants 41 Chat 3 Share Screen Reactions Apps Whiteboards More Leave



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ARCASIA Committee on Green & Sustainable Architecture





Acha Chutarat

Rover Cheung

Zebun Nasreen...

Acha Chutarat


Rover Cheung

Zebun Nasreen Ahmed



**ACGSA**  
 ARCSIA Committee on Green & Sustainable Architecture

Recording... View







**ACGSA** 

# Diversity in Sustainable Architecture

Zone - C Webinar



ACHARAWAN CHUTARAT

 Diversity in Sustainable Architecture ACHARAWAN CHUTARAT	 Diversity in Sustainable Architecture Yvonne IEONG
 Diversity in Sustainable Architecture ARTUSHAR SOGANI	 Diversity in Sustainable Architecture 趙中村
 Diversity in Sustainable Architecture rosliali52@yahoo.com rosli mohd ...	 Diversity in Sustainable Architecture Donna Wu
 Diversity in Sustainable Architecture Kyutae Do (KIRA)	 Diversity in Sustainable Architecture Park, Sung Hoon (KIRA)

Unmute Start Video Security Participants 43 Chat 3 Share Screen Reactions Apps Whiteboards More Leave


1/3

1/3

Unmute Start Video Security Participants 60 Chat 1 Share Screen Reactions Apps Whiteboards More Leave

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ARCASIA Committee on Green & Sustainable Architecture

Recording

**ACGSA** 

# Diversity in Sustainable Architecture.

Zone - C Webinar

ARUNVISHAR SOGANI

Unmute Start Video Security Participants 41 Chat Share Screen Reactions Apps Whiteboards More Leave

Studio TSDPL

*(Note: A small video thumbnail in the top right corner of the screen shows the same title and speaker.)*

DELL



***“Preservation of the environment,  
promotion of sustainable development &  
particular attention to climate change***  
are matters of grave concern for the  
entire human family.”



– Pope Benedict XVI

# ACGSA HIGHLIGHTS

Video Highlights of the  
events held under ACGSA

03



# Coming soon....

# ACGSA COMPETITION

Design Competition to be  
held and juried by the ACGSA



# 04

# ARCASIA Design Competition

For Green & Sustainable Architecture

01

## Step 01

**Entries** to be invited from all participating countries

02

## Step 02

ACGSA will select the **best 10 projects**

03

## Step 03

The best 10 projects are then **displayed** in the exhibition

*Steps explaining the process involved in the design competition to be organized by ACGSA*

Coming **soon....**



# THANKS!

