

Date: 12 December 2020 Time: 1 PM Thailand

Title: How can Green Rating Tools promote a more sustainable and resilient architecture

Location: Online

Name and contact information of convenor	Ar. Tan Szue Hann Chair, Sustainability, Singapore Institute of Architects	Email: Mobile:
Name and contact information of Speakers/Panelists :	Chair of Webinar, Ar. Acharawan Chutarat, Chair, ACGSA Ar. Rita Soh, SIA, President ACGSA 1) Ar. Tushar Sogani, Deputy Chair, ACGSA 2) Ar. Amornrut Det Udomsap, ASA representative, ACGSA 3) Ar Rashid Rasheed, Founder Director of Pakistan Green Building Council 4) Ar. Xiao Wei, Vice President of CITIC General Institute of Architectural Design & Research	No. of attendees: 35

Theme of Event: Pillar 2: New Urban Agenda

Summary description of Event and key takeaways. (To be completed by moderator or convenor) (500 words)	<p>Prepared by Ar. Zebun Nasreen Ahmed (IAB representative, ACGSA)</p> <p>The event began with a welcome address by Ar. Rita Soh, President ArCASIA. The event, chaired by Ar. Acharawan Chutarat, Chair, ARCASIA Committee on Green and Sustainable Architecture (ACGSA), had four speakers and was moderated by Ar. Tan Szue Hann, Chair, Sustainability, Singapore Institute of Architects.</p> <p>The first speaker, Ar. Tushar Sogani, Deputy Chair, ACGSA, talked about Green Rating Tools and its role in combatting climate change. In the context of India, given the five distinct climatic zones, rating tools are contextualized, to address climatic differences and cultural needs. He mentioned the UCCR, which works on the capacity of cities to function and survive disasters, emphasizing the need to develop green infrastructure, to enhance resilience to climate change. Present architecture must reflect on lessons of the past, and on passive and practical means, that had been used in pre-technological eras to suit the climate.</p> <p>Ar. Amornrut Det Udomsap, ASA representative, ACGSA, from Thailand, talked about TREES, Thai Rating of Energy Environment and Sustainability. Their focus now is on the aging society, and psychological comfort in addition to physical comfort. She highlighted the main difficulties being faced by urban populations in Thailand; traffic, bad air quality in winter, flooding in the rainy season, heat island effect, over population and messy infrastructure. In Thailand they are now developing SOOK to address health and well-being as an integral</p>
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part of building design. Case-studies were presented of the five categories of SOOK: neighbourhood and outdoors, architectural design, interior design and materials, environmental systems and engineering and Innovation.

Ar Rashid Rasheed, Founder Director of Pakistan Green Building Council talked about the SEED (Sustainability in Energy and Environmental Development) tool, developed in 2016 for Pakistan, and a platinum-rated case-study based on it. The building process was videoed in the 5500 sft home, intending to document the achievable data for the stipulated variables in SEED, to share on various social media platforms, the achievements along with their financing, in order to encourage other professionals to adopt green building measures to conserve water, electricity, and reduce waste. The showcase project also aimed to enhance the importance of craftsmen involved in the construction industry, focusing on their qualities and roles in the building construction process, to retain their experience in the building crafts and prevent them seeking other employment, which would make their learning through generations to go to waste. Social media sharing also helped to educate all stakeholders in the ease of use of rating tools and in benefits gained in the short and long term economy.

The final speaker was from China, Ar. Xiao Wei, Vice President of CITIC General Institute of Architectural Design & Research, who spoke on Modular Healthcare Facilities in the pursuit of Resilience. He focused on the design of Huoshenshan Hospital in Wuhan, an immediate and swift response to the Covid 19 pandemic. Modules of highly contaminated to low infection areas were conceived and completed in approximately 2 weeks, and these facilities were used effectively to give the urgent care that was needed under the present emergency. In the short time that the buildings were constructed it wasn't possible to check with building codes in the regular manner, but as the professionals had previous experience of using codes and of collaborating with various related professionals, it was likely to adhere to the required standards.

The webinar ended with comments from the moderator, Ar. Tan Szue Hann, and Ar. Acharawan Chutarat, Chair of the webinar summarized the presentations and stressed the importance of maintaining awareness programmes on green and sustainability issues in the practice of architecture. The inter-connection between the three pillars identified for action by ACGSA was also highlighted.

Pictures of the
event:



ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE

WEBINAR

SATURDAY, 12 DECEMBER 2020

1030AM IN, PK TIME. 12PM TH TIME. 1PM CN, SG TIME

“How can green rating tools promote a more sustainable and resilient architecture?”



1300-1305 - Introduction by Chairman

Ar. Dr. Acharawan Chutarat, ASA

Chair, ARCASIA Committee on Green and Sustainable Architecture (ACGSA)
Chair, Architecture Program and Building Technology and Innovation Track, School of
Architecture and Design, King Mongkut's University of Technology Thonburi



1305-1310 - Introduction by Moderator

Ar. Tan Szue Hann, SIA

Chair, Pillar 2, ARCASIA Committee on Green and Sustainable Architecture (ACGSA)
Chair, Sustainability, Singapore Institute of Architects



1310-1325 - Green rating tools in combating climate change

Ar. Tushar Sogani, IIA

Deputy Chairman, ACGSA
Principal & Managing Director, TSDPL, Jaipur



1325-1340 - The Thai green rating system and its role in health & wellness

Ar. Amornrut Det-Udomsap, ASA

ASA Representative, ACGSA
Technical advisor on Sustainable Development to Director of LPN Academy



1340-1355 - The SEED tool and a Platinum-rated case study

Ar. Rashid Rasheed, IAP

Co-founder, SR Design Works
Founding Director, Pakistan Green Building Council (PGBC)



1355-1410 - Modular healthcare facilities in the pursuit of resilience

Ar. Xiao Wei, ASC

Vice President of CITIC General Institute of Architectural Design & Research.
Member of Expert Committee of Green Building Evaluation Index, China Ministry of
Housing & Urban-Rural Development

1410-1430 - Q&A and Moderated Discussion