

# ADVANCING NET ZERO CARBON WEBINAR SERIES: LOW CARBON CONSTRUCTION FOR THE MALAYSIAN BUILT ENVIRONMENT

**SATURDAY | 18 JUNE 2022**

**9:00 AM – 1:00 PM**

**VIRTUAL VIA ZOOM**

## REGISTRATION FEE

malaysiaGBC Members	FREE
GBI Facilitator / Affiliated Members <i>(ACEM, CIOB, FIABCI, FMM, FMM-MCIG, IEM, IET, ILAM, ISI, MASHRAE, MBAM, MIID, MTC, PAM, PPK, RISM, SHARED)</i>	RM53
Non-Member Student <i>(Under Graduate only)</i>	RM26.50
Non-Member	RM79.50



**GBI, MBOT, LAM, BEM  
CPD POINTS APPLIED**



**REGISTER HERE**

<https://forms.gle/XoKUBjpCf1N59UC2A>  
For more info, contact us at  
[cpd@mgbc.org.my](mailto:cpd@mgbc.org.my) or  
+6 017 851 0700

## PROGRAM

08.45 AM	Registration
09.00 AM	Opening Remark from malaysiaGBC's Vice President - Ar. Dr. Serina Hijjas
09.10 AM	Commercial Break - malaysiaGBC
09.15 AM	malaysia Carbon Score, ROI & Low Cost of Low Carbon Building - Mr. Mitchell Gelber
09.45 AM	Living Building: Beyond Green Architecture - Dr Muhammad Azzam Ismail
10.25 AM	Fundamentals of Energy Efficiency in Tropical Climate for Air-Conditioned Building (7+1 Steps) - Ir. CK Tang
11.05 AM	Commercial Break - Ajiya Berhad
11.10 AM	Tea Break
11.20 AM	Commercial Break - Armstrong Fluid Systems Shanghai Limited
11.25 AM	SDG 7: Affordable and Clean Energy - Ir. Ahmad Izdihar
11.40 AM	Advancing Zero Carbon: Reaching Sustainability Goals at No Extra Cost - Mr. Zeljko Terzic
12.10 PM	Malaysia Pavilion I Expo 2020 Dubai: Net Zero Embodied & Operational Carbon - Ar. Serina Hijjas
12.50 PM	Q&A
01.00 PM	End

# SPEAKER

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## Ar. Dr. SERINA HIJJAS

Director of Hijjas Kasturi Associates Sdn with over 30 years of experience in the field of architectural planning & design. A Graduate from Bartlett School of Architecture and University of Sydney joined Foster & Partners in London for a three-year stint before returning to Malaysia. Serina Hijjas is active in the area of Energy Efficiency and Sustainable design since her formative years in architectural practice in London. Awardee of three Asean Energy Efficiency Awards: – the 55 storey Telekom Malaysia Headquarters Building; First Runner-Up Securities Commission HQ and the Putrajaya Convention Center. Works extends to Ericsson Building, Putrajaya Lighting and Water masterplan, AIMST University in Malaysia, Shell Headquarters & Celcom Tower. The Heriott Watt University campus at Putrajaya with an amazing green roof and total landscape footprint of 80% of the site. One of the latest projects includes the only Net Zero Carbon pavilion at EXPO Dubai 2020 which won BIE Gold XS Pavilion for Theme Interpretation Energising Sustainability.



## Mr. MITCH GELBER

Mitchell Gelber specializes in issues of building design and environmental performance both within Malaysia and abroad. He is the founding director of YIDesign Green Buildings, serves on the Green Building Index Technical Committee, is an editor of the malaysiaGBC Green Pages and has previously lectured at the University of Malaya, School of Architecture. Originally from the United States, Gelber has been based in Malaysia since 2007.



## Dr. MUHAMMAD AZZAM ISMAIL

Muhammad Azzam Ismail, PhD in Built Environment (UNSW) is a Graduate Architect and an expert in green architecture and green building rating. He teaches architecture at the University of Malaya, Kuala Lumpur as a Senior Lecturer. His current research through awarded grants includes building energy consumption management, operational carbon footprint of residential properties and low carbon cities. At national level, he was appointed as the Chairman of the Malaysia Council of Heads of Architecture Schools (COHAS) from 2014-2016. Through his appointment as Fellow at the Tun Syed Zahiruddin Residential College (9th College) and now as the College Master, he supervised and participated in numerous student-led activities including the yearly college award dinner and the "Global Community Service (GLOCOSE)" international community service program to Aceh (Indonesia), Kampung Cham (Cambodia), Tay Ninh (Vietnam) and Lombok. In line with his interest in Sustainability and low carbon cities, he actively delivered capacity building lectures through UMCARES and was awarded UMCARES Certificate of Excellence in Sustainability 2014.



### Ir. CK TANG

CK Tang is an engineer with more than 25 years' experience in Energy Efficiency in Buildings. He designed and completed many low energy demonstration projects in Malaysia. He has authored 2 books on Passive and Active Design Technical Guidelines on Energy Efficiency in Buildings for a UNDP project in Malaysia. He also developed software on energy efficiency in buildings. Over the past few years, CK was regularly appointed as a sustainability peer-review consultant to the UN. He reviewed and proposed improvements to existing UN facilities for UNRWA, UNICEF, UNDP, WFP, UN Women, WHO, UNHCR, and more. Recently he contributed to a chapter on Zero Carbon Building for Low- and Middle-Income Nations for the World Bank.



### Ir. AHMAD IZDIHAR SUPAAT

Ir. Ahmad Izdihar was graduated from University of New York in Bachelor Mechanical Engineering Polytechnic in 1993. He is a registered professional Mechanical Engineer with more than 25 years experience as a consultant in the building industry. He is the managing director of Exergy CX Sdn Bhd, an Enviromentally Sustainable Design Consultancy based in Kuala Lumpur. He also a registered Green Building Index Facilitator. Ir Ahmad is a past president of Malaysia Green Building Council (malaysiaGBC) for 2016 to 2017 term. He often lecturers on various Energy and Sustainability topic for malaysiaGBC.



### Mr. ZELJKO TERZIC

Zeljko Terzic is Global Offering Manager for Pumps with Armstrong Fluid Technology. He has 20 years of experience in R&D, energy efficiency and sustainability, product development and system optimization in HVAC and Plumbing.

Zeljko was involved in multiple, international projects in high energy efficient buildings, working on product specification and system optimization. He represents Armstrong in Hydraulic Institute (HI) and AHRI Industrial Refrigeration and Heat Transfer committee and Liquid to Liquid Heat Exchangers subcommittee, where actively drives improvements in industry standards and testing procedures related to Pumps and Heat transfer products. Zeljko was awarded the 'Pumps Systems Matter' Leadership Award at the annual meeting of the Hydraulic Institute earlier in 2022. He has also been appointed to the Board of Directors for the 'Pumps System Matter' division of Hydraulic Institute. Zeljko holds an MSc degree in Mechanical Engineering with major in Sustainable Energy and Environment

Join us today, let's move towards sustainability together

