

malaysiaGBC Webinar on Construction Digitalization

# EMBRACING DIGITAL TECHNOLOGY IN THE BUILT ENVIRONMENT

VENUE : Virtual via ZOOM

TIME : 9:00AM – 1:00PM

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



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TO REGISTER

LAM, BEM, MBOT, GBI CPD POINTS APPLIED

<https://bit.ly/3Q3hHvt>



**Mr. Sim Chee Liang**  
President  
Malaysia Green Building Council



**Ts. Dr. TamilSalvi**  
Council Member  
Malaysia Green Building Council



**Ir. Ts. Wong Chee Fui**  
Specialist  
Universiti Tunku Abdul Rahman (UTAR)



**Ir. Samantha Lau Zhiling**  
Engineering Manager  
BIM Engineering Solution and Technology Sdn. Bhd.



**Ts. Khairul Nizam**  
Global Scheme Owner,  
Sustainability & Traceability  
BSI Group



**Dato' Ts. Dr. Gerald Sundaraj**  
Chief Executive Officer  
Construction Research Institute of Malaysia (CREAM)




**Mr Sriman NCVK**  
Head of Asia ICL Sales  
IESVE Singapore Pte Ltd

## AGENDA

09.00 - 09.05	Welcome and Opening Speech	Mr. Sim Chee Liang malaysiaGBC's President
09.05 - 09.35	Speaker 1: Digital Transformation Toward Industry 5.0 in Malaysia Construction Industry	Ir. Ts. Wong Chee Fui Specialist Universiti Tunku Abdul Rahman (UTAR)
09.35 - 09.40	Commercial Break	Ajiya Berhad
09.40 - 10.10	Speaker 2: Building Information Modelling (BIM) Adoption in Building Construction	Ir. Samantha Lau Zhiling Engineering Manager BIM Engineering Solution and Technology Sdn. Bhd.
10.10 - 10.15	Commercial Break	Ebara Pumps (M) Sdn Bhd
10.15 - 10.45	Speaker 3: Digital Transformation for a Sustainable Built Environment	Ts. Khairul Nizam Global Scheme Owner, Sustainability & Traceability BSI Group
10.45 - 10.50	Commercial Break	Sponsor
10.50 - 11.20	Speaker 4 : Digital Construction: Towards Embracing Construction 4.0 Strategic Plan	Dato' Ts. Dr. Gerald Sundaraj Chief Executive Officer CREAM
11.20 - 11.30	Break	
11.30 - 12.00	Speaker 5: Digital Twin for the Built Environment	Mr. Sriman NCVK Head of Asia ICL Sales IESVE Singapore Pte Ltd
12.00 - 13.00	Panel and Q&A	Ir. Ts. Wong Chee Fui Ir. Samantha Lau Zhiling Ts. Khairul Nizam Dato' Ts. Dr. Gerald Sundaraj Mr. Sriman

## WELCOME AND OPENING SPEECH


### Mr. Sim Chee Liang



More than 25 years' experience in glass processing industry with a successful background in Sales and Marketing venues. Currently the Executive Director of Ajiya Safety Glass Sdn. Bhd., a nation's pioneer in Malaysia's architectural glass processing industry which its principal activities include manufacturing of safety and security architectural glasses under the renowned brand name of AJIYA. Elected as malaysiaGBC President for terms 2021-2023 during the recent election. He believes that glass play an integral role not only in architectural and designs, but also contributing to a more sustainable built environment.

## MODERATOR


### Ts. Dr. TamilSalvi Mari



Ts Dr TamilSalvi Mari is a Senior lecture in Architecture, Taylor's University. Salvi's research area revolves around investigating the humane design-the interaction between humans, built environment, and natural environment, focusing on current societal and environmental needs. Thus, she is interested in exploring ways in the process of designing a better living/working environment to accommodate the elements of humane design and tapping into nature not only for the resources but also as the inspiration. Her research interests are also shaped by the emerging trends of sustainability in multi-storey residential/office buildings in urban areas focusing on wellbeing, carbon footprint, alternative building materials, and exploring the potential of vertical/urban farming to mitigate urban heat island issues, operational energy and to promote social sustainability.


## SPEAKERS

### Ir. Ts. Wong Chee Fui



Ir. Ts. Wong Chee Fui is a Specialist at Universiti Tunku Abdul Rahman (UTAR). He holds a MSc degree in Highway and Transport Engineering and a B.Eng. Degree in Civil Engineering, both from Universiti Putra Malaysia. Ir. Ts. Wong is a Professional Engineer with Practising Certificate (P.Eng), Professional Technologist (P.Tech); Fellow of the Institution of Engineers, Malaysia (FIEM), Fellow of Technological Association Malaysia (FTAM), Associate Fellow of ASEAN Academy of Engineering and Technology (AFAAET). He is currently the Council Member of IEM (2021-2024) and was formerly the Executive Director of IEM from 2014-2017. Ir. Wong is also the Council Member of Technological Association Malaysia (TAM) and the Vice Chairman of TAM Selangor branch.

### Ir. Samantha Lau Zhiling



Ir. Samantha Lau Zhiling has 10 years working experience in structural design and engineering consultancy works for construction. She has participated and completed various kind of project undertakings such as design and project monitoring up to CCC for residential houses, service apartments, shop offices and infrastructures buildings. She is a Professional Engineer registered with Board of Engineers Malaysia (BEM). Currently she is an Engineering Manager in BIM Engineering Solution and Technology Sdn Bhd (a member of PLYTEC Group) which specialises in integration of Level 2 BIM across built asset life cycle in accordance to ISO 19650-1&2: 2018. She is also a member of Technological Association Malaysia (TAM).

## SPEAKERS

### Ts. Khairul Nizam



Ts. Khairul Nizam Bin Anuar Bashah is currently the Global Scheme Owner for Sustainability and Traceability in BSI where he works with countries and regions across the world to develop new solutions addressing both sustainability and traceability challenges. He is passionate about carbon neutrality, circular economy, disruptive technologies and sustainable consumption & production initiatives. He started his career with WCT Engineering & Construction Sdn Bhd before joining with Ireka Engineering & Construction Sdn Bhd as a Project Engineer. He then joined Construction Research Institute of Malaysia (CREAM) as a researcher under the R&D Unit where he pursued his research in sustainability. He was then later appointed as the Sustainability Manager at Construction Industry Development Board (CIDB) Malaysia where he continued to champion and bring in sustainability initiatives into the Malaysian construction landscape.

### Dato' Ts. Dr. Gerald Sundaraj



Dato' Ts. Dr. Gerald Sundaraj is currently the Chief Executive Officer of Construction Research Institute of Malaysia (CREAM) on secondment as of December 2021. He has over 20 years' experience in the construction industry. Subsequently driving the implementation of the Construction Revolution 4.0 Strategic Plan (CR4.0) 2020-2025. His expertise include Circular Economy and Sustainable Strategies, Digital & Digitization Transformation in the Construction Industry, Project Management, Construction Research Management and Development, Strategic Planning, Masterplan Development and Implementation, Project Monitoring and Management, Project Feasibility Studies, Risk Management and Mitigation, Project Finance, Public Private Partnerships (PPP) and Private Finance Initiatives (PFI), Quality Management Systems, ISO 9000, Industrialised Building Systems (IBS), Building Information Modelling (BIM), International Relations, International Market & Projects, Public Administration, Land Matters, Public and Affordable Housing.

### Mr. Sriman NCVK



Sriman is a sustainability specialist and a technology sales manager with 15+ years of experience in the built environment domain. He has a strong understanding of existing building sustainability practices as well as the decarbonization roadmap. Over the last 5 years, Sriman worked in digital twins advisory for companies that are looking for decarbonization strategies in terms of energy optimization, clean energy, renewable energy certificates, and sustainable facilities management. Keeping up with the digital twin evolution of the built environment, digital twins is offered as a concept and solution around Asia for the past 5 years. He has spent considerable time consulting and teaching firms about the benefits of digital twins.

Join us today, let's move towards sustainability together

