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INTERNATIONAL CONFERENCE
COMFORTABLE AFFORDABLE HOUSING
IN THE TROPICS

25TH - 26TH JUNE 2019

8:30 AM - 6:00 PM

SHERATON HOTEL, PETALING JAYA

GOVERNMENT SECTOR
RM250

MALAYSIAGBC MEMBER
RM250

AFFILIATED MEMBER
RM300

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RM350

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Conference Synopsis

17 International Speakers. 1 Objective - “To improve the comfort of affordable housing in tropics without increasing financial burden to the purchasers.”

We are putting these tropical experts together, in search of a technical and financial solution to make affordable housing comfortable without cost to purchasers. Such a solution will minimize carbon emission from affordable housing in tropical climate.

These speakers will share with us, real, implementable and realized solutions from their own actual experience. Passive Design strategies will be thoroughly explored. More importantly, solutions to transfer the future savings to enable technical solutions to be implemented at no cost to affordable housing, will also be explored.

Your participation is highly valued in this process – because together we can learn from one another to innovate a better society, environment and economy in the tropics.

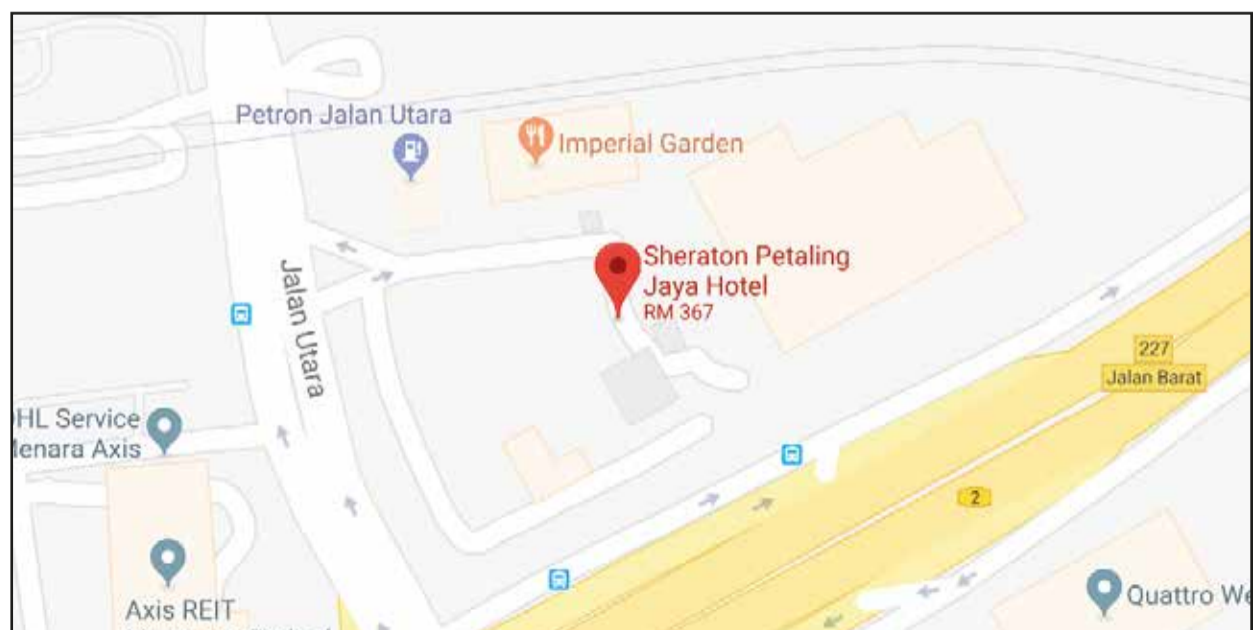
Registration Fee

RM 250 Inclusive 6% SST	Government Sector
RM 250 Inclusive 6% SST	malaysiaGBC Member
RM 300 Inclusive 6% SST	GBI Facilitator / Affiliated Member (PAM, MASHRAE, MIID, IEM, RISM, PPK, ILAM, MBAM, MTC, FMM (MIMG), CIOB, FIABCI, SHARED, IET, FMM-MCIG, ISI)
RM 350 Inclusive 6% SST	Non-Member / Public

Venue Map

Sheraton Hotel, Petaling Jaya

Lorong Utara C,
Pjs 52, 46200 Petaling Jaya,
Selangor



Expert Profile



Dr. Vincent Kitio (Cameroon)

Vincent Kitio is an architect who graduated from the Institute of Architecture of Venice and holds a PhD in Appropriate Energy Technologies (energy efficiency and renewable energy) for Developing Countries, from the University of Rome la "Sapienza". Italy.

He is the Chief of the Urban Energy Unit of UN-HABITAT, a section that works on three focus areas: universal energy access for the urban poor; energy efficiency in the built environment and renewable energy technologies in urban areas.

Vincent Kitio is overseeing the implementation of two regional programs in Africa: "Promoting Energy Efficiency in Buildings in East Africa" that aims at mainstreaming energy efficient measures in housing policies, building codes, building practices and building finance; and the "Mainstreaming Energy and Resource Efficiency measures, and Renewable Energy technologies into Building Codes in West Africa (Senegal, Nigeria and Cameroon).



Arch. Matthew Oloyede (Nigeria)

Matthew Oloyede is a passionate sustainability-driven Green Architect, and the pioneer of green buildings in Nigeria. He is the first Nigerian to possess LEED Green Associate Credential with United States Green Building Councils.

With over 15 years of practice he has consulted for many individuals, Companies in Nigeria and other African countries on various green building projects with the basic role of guiding projects on Sustainability principle, Measures and Provision of Green Innovative design Solutions.

He single-handedly managed the Famous Lekki port CHQ, in Lagos Free Trade Zone, Nigeria, which has been rated by both local and international communities as one of the most ecofriendly corporate buildings in Nigeria.

He is presently the only Green building Auditor (EDGE Auditor) in Nigeria Licensed by United States Green Building Council to work with the IFC green building tool for green building Audit ensuring the green building are energy efficient.



Dr. Abubakr H. Merghani (Sudan)

Abubakr H. Merghani is the Dean of the Faculty of Architecture, University of Khartoum, Sudan. He also heads the faculty research board and is also a member of a number of higher-education committees in Sudan.

He is a practicing architect with over 20 years of experience. He is a licensed professional at both Sudanese Institute of Architects SIA and Sudan Engineering Council SEC. He was involved in more than ten design competition juries locally and internationally. His main research interests are sustainable design in architecture, energy efficiency, thermal comfort and traditional building forms in hot dry climates.



Arch. Musau Kimeu (Kenya)

Musau Kimeu is the Chairman of the Department of Architecture & Building Science, University of Nairobi, Kenya where he teaches Environmental/Sustainable Building Science and Architectural design. He is a Director of the architectural practice, Musau Kimeu Architect.

A renowned architect and environmental design expert, he is well trained and exposed internationally with over 20 years experience as a practicing architect. He is particularly interested in addressing environmental design issues in architecture. His research activities are centered around the environmental performance of tropical buildings, Swahili architecture, acoustics design and natural ventilation in auditoria. His projects include the award-winning Learning Resource Centre (LRC) at the Catholic University of Eastern Africa in Nairobi, a world class environmentally designed project. Musau is a graduate of the University of Nairobi, Kenya and the University of Cambridge, United Kingdom

Expert Profile



Arch. Antoine Perrau (Réunion Island, France)

Antoine Perrau has been living and working as an architect in Reunion Island since 1992. He is the manager of the architectural firm LAB Réunion (formerly Antoine Perrau Architect) since 2002, and co-manager of the Urban, Landscape and QEB Design Office, LEU Réunion since 2003. He also teaches at the Réunion Island Branch of the École nationale supérieure d'arts et métiers (ENSAM). He is presently pursuing a doctoral research at the University of La Réunion on "influence of natural ventilation in the evolution of tropical architecture".

He undertakes professional, teaching and research activities around bioclimatic design in tropical environments. He has participated in numerous conferences around the world. His work has been recognized in the Conference of Parties of COP 23 (Coeur de Ville de Possession) and in COP 24 (Energy and Hot Climate Award for the Bois d'Olives School).



Dr. Muhammad Nur Fajri Alfata (Indonesia)

Muhammad Nur Fajri Alfata is a researcher at the Laboratory of Building Sciences, Division of Building Sciences, Research Institute for Housing and Human Settlements, Ministry of Public Works and Housing. His areas of research include thermal comfort in traditional architecture, energy saving buildings, passive cooling, smart building, green building rating, etc.

He obtained masters degree from the Department of Architecture, Sepuluh November Institute of Technology (ITS) in Indonesia, and Doctorate degree from the Graduate School for International Development and Cooperation, Hiroshima University, Japan. Results of his results related to sustainable housing are widely published in books, journals and conference proceedings.



Arch. Suhendri (Indonesia)

Suhendri is a young lecturer at Institut Teknologi Bandung (ITB) and a researcher in the Building Technology Research Group of the same institute. His teaching and research are mainly focused on sustainable building topics, ranging from thermal comfort to computational fluid dynamics in architecture.

His team has published research papers in those topics in the recent years. He also works with building energy simulation and analysis software, and has some research and projects associated with it. Also, he has been instructor in some building energy simulation training programmes, in collaboration with a few Indonesian universities.



Mr. Martin Scherfler (Austria)

Martin Scherfler is a co-founder of Auroville Consulting, an Indian non-for-profit organization engaged in ecologically and socially responsible development. He works with emerging smart cities in strategic planning and citizen engagement and supports state governments in renewable energy policies and program design. He holds a Master degree in Sociology from Austria.



Arch. Nidhi Gupta (India)

Nidhi Gupta is currently working at Environment Design Solutions (EDS) towards integrating environmental thinking, approach and processes into government programs and policies. Prior to joining EDS, she was with the Auroville Consulting team, focusing on the realization of "Centre for Green Practices", which will be a living laboratory for green practices. She was also responsible for content development for papers, reports & training on sustainable design and energy efficiency in buildings.

Nidhi studied architecture and holds a masters degree in Environmental Architecture. She has handheld several architects, developers and corporations in India through the implementation of sustainability initiatives in the built environment domain. She is passionate about projects and programs that inspire behavioral change towards creating a harmonious life on our planet.

Expert Profile



Dr. Brahmanand Mohanty (India)

Brahmanand Mohanty has been faculty member at the School of Environment, Resources and Development of the Asian Institute of Technology (Bangkok) since 1986. Since 1991, he has been serving the French Environment and Energy Management Agency (ADEME) as its regional advisor for Asia. He was instrumental in developing the Low Energy in Tropical Climate for Housing Innovation (LETCHI) network.

He has undertaken professional missions for bilateral and multilateral development agencies during the last three decades in over 20 countries, especially in Asia but also in the Middle East, Africa and the Mediterranean countries. He has more than 100 publications in refereed journals, international and regional conferences, seminars and workshops on the rational use of energy, institutional aspects of the implementation of energy efficiency policies and strategies, alternative energy resources, and optimization of energy system.



Dr. Narein Perera (Sri Lanka)

Narein Perera's is a Senior Lecturer at the Department of Architecture, University of Moratuwa, Sri Lanka. His research expertise encompasses urban scale studies that focus on climate sensitive design and include a "Local Climate Zone" based approach to urban planning. He promotes passive design strategies for the building envelope to ensure daylight integration, thermal comfort and overall energy efficiency. He has contributed to the development of the Energy Efficient Building Code in Sri Lanka.

He was awarded the 'Architecture Asia Award for Emerging Architects' (Asian Congress of Architects 2014 and 2016) and The Energy & Hot Climates Prize of the Green Building Solutions Awards 2016 for the International Platform. In Sri Lanka, he was the recipient of the 'Young Architect of the Year' in 2010 and Sri Lanka Institute of Architects, awards for Design Excellence in 2007, 2011 and 2018.



Dr. Rahula Attalage (Sri Lanka)

Rahula Attalage is a Professor in Mechanical Engineering at the University of Moratuwa, Sri Lanka. His research focus is on modeling, simulation and optimization aspects of buildings and their surroundings. The key application areas are the integration of energy efficient and sustainable technologies into buildings, natural ventilation systems and hybrid energy systems using renewable energies. He has contributed to developing the Energy Efficient Building Code for Sri Lanka and is a member of advisory committees to national entities on building and appliances energy efficiency.

He has been consultant for several industrial, commercial and office buildings in Sri Lanka, Bangladesh and Pakistan that have successfully secured USGBC's LEED certification with Platinum or Gold ratings. He was a key member in the team that realized the world's first purpose-built green factory for apparel manufacturing in Sri Lanka with a LEED Platinum rating in 2009. This iconic project received award from Holcim Foundation as a Global Best Practice for sustainable construction.



Associate Professor Chalermwat Tantasavasdi (Thailand)

Chalermwat Tantasavasdi is an Associate Professor at Thammasat Design School and conducts research on sustainable built environmental design. His work focuses on the integrative approach of energy efficiency by means of passive design for generic buildings. For the past 20 years, he has been working with both governmental agencies such as Thailand's National Housing Authority and Ministry of Energy, and real estate companies in developing low-cost energy efficient building prototypes for the tropics.

He also provides consultancy expertise in passive design to many of the outdoor community malls and residential projects. In addition, during his recent 6-year managerial terms as the dean of the school, he has established international academic collaborations and completed state-of-the-art design facilities for sustainable design studies.

Expert Profile



Dr. Atch Sresthaputra (Thailand)

Atch Sresthaputra is an Associate Professor at Chulalongkorn University. He received Bachelor of Architecture from Chulalongkorn University, Master of Science from the Georgia Institute of Technology, and Doctor of Philosophy from Texas A&M University, USA. He is well-known for his engagement in sustainable buildings, well-being design and energy conservation. He has conducted several research on building energy efficiency, thermal comfort, and heat and airflow in and around buildings using thermal simulation and computational fluid dynamics (CFD) computer programs.

He has advised AFD, ADEME, GIZ, and UNEP in projects aiming to improve energy efficiency of buildings in Thailand. He is now the Vice President and founder of the Thai Green Building Institute (TGBI), which is the sole agency to certify green buildings in Thailand. Since 2012, he has established and is managing two green building consulting companies – Africus Co., Ltd. and EGS-plan (Bangkok) Co., Ltd.



Arch. Nguyen Ngoc Tú (Vietnam)

Nguyen Ngoc Tu is an architect by profession and provides consulting on building energy efficiency as well as building design projects. She works on demonstration buildings to support the building design to fulfill the requirements of the recent Vietnamese building code for energy efficiency and/or go beyond the Building Code in order to achieve a significant reduction of energy consumption compared to the baseline. She also works on green building projects for LOTUS certificate, and building energy simulation.

She has worked on several international organizations such as DANIDA, UNDP, ADEME on energy efficiency project. She is currently the team leader of new demo building package which is funded by UNDP/GEF.



Eng. Ma Khai Hien (Vietnam)

Ma Khai Hien is the Director of ENERTEAM, a leading sustainable energy consultancy firm in Vietnam,. He has over 17 years of experience of managing sustainable energy in building and industrial sectors.

He has been the Team Leader of numerous sustainable energy projects funded by ADEME, WB-IFC, DANIDA, GIZ, USAID, UNDP, UNIDO in Vietnam. Notable project experience includes leading the Demonstration building activities in the framework of the Energy Efficiency Building Code supported by IFC and DANIDA in partnership with the Vietnam Ministry of Construction.

He is a national energy auditor and energy auditing trainer. With a certificate of LOTUS AP from Vietnam Green Building Council (VGBC), he has experienced in building energy modelling, concept energy design, energy auditing, benchmarking in building and industrial sector.



Mr. Tan Tiang Chong (Singapore)

Mr. Tan Tian Chong is the Deputy Managing Director of the Build Environment Research and Innovation Institute (BERII) in the Building & Construction Authority (BCA) of Singapore. He directs Research and Innovation activities which are of strategic importance to BCA and the built environment. These include building energy efficiency, smart and green building technologies and construction technologies that impact quality and productivity.

He was earlier the Group Director of Technology Development, overseeing the BCA Green Mark Programme whose goal is to ensure that at least 80% of the building stock in Singapore are assessed and certified as green buildings by 2030. He has also served as an Honorary Advisor of the Singapore Green Building Council (SGBC), a member of the Singapore Standards Council and the Deputy Chairman of the Building and Construction Standards Committee and a Past President of the Singapore Structural Steel Society (SSSS).



Jennifer Chai (Singapore)

Jennifer Chai leads the design team in Township department of Surbana Jurong, having completed 7,000 public housing dwelling units in Singapore, 6,700 units overseas and is currently delivering another 12,000 units at various design and construction stages. Within a short career span of 18 years, Jennifer has made significant contribution to the built environment. Her projects have garnered various accolades, including the HDB Design Award, BCA Green Mark Award, BCA BIM Award, PUB Waters ABC Gold Class. Jennifer's projects embody a commitment to produce good design that contributes to the living quality, socially or environmentally.

Jennifer holds Master of Architecture from the National University of Singapore and Specialist Diploma of Design for Manufacturing and Assembly from the BCA Academy. She is also a registered architect with the Board of Architects Singapore and a Green Mark Manager with BCA. Other notable projects include The Wisteria and Wisteria Mall, the first government land sale project with Prefabricated- Prefinished- Volumetric Construction and Rivervale Shores, the biggest public housing development of 2,500 units to be completed in 2022.

Conference Schedule Day 1 - 25th June 2019, Tuesday

DAY 1 - 25th JUNE 2019	
Time	Conference Title
08:30 - 09:00	Registration of the Participants
Inaugural Session	
09:00 - 09:15	Welcome Addresses
09:15 - 09:30	Introduction of LETCHI Initiative and Experts Network
09:30 - 10:00	Keynote Address
10:00 - 10:30	Coffee Break
Session 1: Sharing Feature of Traditional Architecture in Different Tropical Countries	
10:30 - 10:50	Presentation 1.1 - by Vincent Kito , Cameroon
10:50 - 11:10	Presentation 1.2 - by Nidhi Gupta , India
11:10 - 11:30	Presentation 1.3 - by Muhammad Nur Fajri Alfata , Indonesia
11:30 - 11:50	Presentation 1.4 - by Mattew Akintayo Oloyede , Nigeria
11:50 - 12:30	Question & Answer : Commonalities and Differences of Traditional Architecture
12:30 - 13:30	Lunch Break
Session 2: Sharing Feature of Contemporary Architecture in Different Tropical Countries	
13:30 - 13:50	Presentation 2.1 - by Suhendri , Indonesia
13:50 - 14:10	Presentation 2.2 - by Musau Kimeu , Kenya
14:10 - 14:30	Presentation 2.3 - Sofia Castelo , Malaysia
14:30 - 15:15	Question & Answer: Commonalities and Differences of Contemporary Architecture
15:15 - 15:45	Coffee Break
Group Discussion	
15:45 - 16:45	What Are The Challenges to Incorporate Relevant Aspects of Traditional Architecture in the Contemporary Architectural Practices
16:45 - 17:30	Conclusion of the Group Discussions
17:30	Close of Day 1

*The schedule may be subject to change under certain circumstances.

Conference Schedule Day 2 - 26th June 2019, Wednesday

DAY 2 - 26th JUNE 2019	
Time	Conference Title
08:30 - 09:00	Registration of the Participants
Session 3: Fundamental Aspects of Designing Low-Energy Buildings in the Tropics	
09:00 - 09:20	Presentation 3.1 - by CK Tang / Serina Hijjas , Malaysia
09:20 - 09:40	Presentation 3.2 - by Rahula Anura Attalage , Sri Lanka
09:40 - 10:00	Presentation 3.3 - by Atch Sresthaputra , Thailand
10:00 - 10:30	Coffee Break
Session 4: Contribution of Modern Tools to Designing Low-Energy Buildings in the Tropics	
10:30 - 10:55	Presentation 4.1 - by Mr. Tan Tian Chong , Singapore
10:55 - 11:20	Presentation 4.2 - by Narein Gerald Rajintha Perera , Sri Lanka
11:20 - 11:45	Presentation 4.3 - by Abubakr Hussein Merghani Abdalla , Sudan
11:45 - 12:10	Presentation 4.4 - by Nguyen Tú , Vietnam
12:10 - 12:30	Question & Answer: Pros and Cons of Computer Simulation to Improve the Designing of Low-Energy Buildings
12:30 - 13:30	Lunch Break
Session 5: Examples of Residential Housing Designed for Better Comfort and Low Environmental Impact Without Incurring High Incremental Cost	
13:30 - 13:55	Presentation 5.1 - by Martin Scherfler , India
13:55 - 14:20	Presentation 5.2 - by Antoine Perrau , French
14:20 - 14:45	Presentation 5.3 - by Jennifer Chai , Singapore
14:45 - 15:10	Presentation 5.3 - by Chalermwat , Thailand
15:10 - 15:35	Presentation 5.4 - by Ma Khai Hein , Vietnam
15:35 - 16:00	Coffee Break
Group Discussion	
16:00 - 17:00	How Can The Good Building Design Practices Be Mainstream in The Tropics
17:00 - 17:30	Conclusion of The Group Discussion
17:30 - 17:45	Way Forward
17:45 - 18:00	Concluding Remarks

*The schedule may be subject to change under certain circumstances.