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IUS GBC

INTERNATIONAL URBAN SUSTAINABILITY & GREEN BUILDING CONFERENCE 2016

KUALA LUMPUR, MALAYSIA

Date:
4th & 5th March 2016
(Friday & Saturday)

Venue:
Kuala Lumpur Convention Centre (KLCC)
Plenary Theatre-level 3

Better Places for People is a global campaign that aims to create a world in which buildings support healthier and happier lives for those who occupy them.

The campaign, led by the World Green Building Council, aims to raise awareness of how buildings impact upon health and wellbeing, and encourage those who design, build, own, occupy, operate or sell them, to shape buildings for the benefit of people.

Building upon evidence linking office design with health and wellbeing outcomes for employees, the campaign will focus on a range of building types including retail malls, hospitals, offices and residential buildings.

It will also move beyond simply linking design and outcomes. By demonstrating how to maximizing health and wellbeing in buildings can presents a win-win situation for both business and the environment, Better Places for People aims to drive real, on-the-ground action and increase the uptake of greener, healthier buildings.

Organiser: MGBC

Supported by: green building index, CIOB, MOH, REHDA Malaysia Chapter, ASHRAE Malaysia Chapter, MACRA, MCEM, IEM, PAM Pertubuhan Akitek Malaysia, PPK Malaysia, mid

SPEAKERS HIGHLIGHTS

Keynote Speakers

Ar Sarly Adre Sarkum
President of the Malaysia
Green Building Confederation

Ar Chan Seong Aun
GBIAP Chairman
Director, Arkitek Daya Seni Sdn Bhd

Tai Lee Siang
Vice Chairman, World
Green Building Council

Ms. Andrea Reimer
City Councilor and Chair,
Standing Committee on Policy
and Strategic Priorities

Datuk Hj. Mohd Najib Bin Hj. Mohd
Executive Director : Planning
Kuala Lumpur City Council

Simon Wild
Sustainability Director at Lendlease

Ir. Ahmad Hadri Haris
Chief Executive Officer of
Malaysian Green Technology Corporation
(GreenTech Malaysia)

Session Speakers

Professor Ar Dr. Abdul Malek Abdul Rahman
Professor, Universiti Sains Malaysia

Ir. Ahmad Izdihar B. Supaat
Managing Director, Exergy Malaysia Sdn Bhd
Honorary Secretary, MGBC

Dr. Amirhosein Ghaffarianhoseini
Senior Lecturer in Architecture,
Green Buildings and Urban Sustainability
University of Malaya (UM), Malaysia

Ir. Ana Miraa Mohd Yusof
Technical Director,
Aura-Lite (M) Sdn Bhd

Dr. Anne F Kerr, PhD (Civil Engineering)
Global Head, Urbanization Mott
MacDonald Group

Mr. Anthony Wong Kim Hooi

Ashish Rakheja
Managing Director, AEON Integrated
Building Design Consultants

Dato' Chan Wah Kiang
Group Managing Director of
Ajiya Berhad

Ms. Charlene Smith
PPG Industries, Inc.
Manager Technical Services,
International Flat Glass, USA

Dr. Chee Chung Yee
Technical Director of Bacteria
Free Water Engineering

SPEAKERS HIGHLIGHTS

Ir. Chen Thiam Leong
DL & F.ASHRAE, FIFireE, P.Eng, C.Eng
Managing Director of PrimeTech Engineers Sdn Bhd

Ir. CK Tang
Principal, VERITAS Environment Sdn Bhd

Prof. Deo Prasad
Scientia Professor Deo Prasad AO FTSE

Professor Emeritus Dato' Ar Dr. Elias @ Ilias bin Salleh

Gregers Reimann
Managing Director
IEN Consultants

Dr. Hoai Anh Tran
Associate Professor of Urban Studies

Ir. Jack WL Chan
Director,
Edisi Hijau Sdn Bhd

Jorge Chapa
Executive Director, Green Building Council of Australia

Ir. Kevin Hor
Building Sector Energy Efficiency Project

Ir. Lum Youk Lee
Treasurer of Malaysia Shopping Malls Association (PPK Malaysia)

Ms. Melissa Ng Siau Hue
Marketing Manager,
DJI International Sdn Bhd

Nofri Yenita Dahlan
Dr., AEE CMVP

Ms. Pamela Phua
Director, RD&I, South East & South Asia, Middle East
Director, Exterior, Wallpaint Expertise Group, RD&I, Global AkzoNobel Decorative Paints

Dato Paduka Ar. H. Idris B H. Abas
CEO & Principal Architect
ARKITEK IDRIS

Dr. Richard SH Seow
Chief Technology Officer (Nipsea Group)

Ir. Dr. Saravanan Mariappan
Director, Selekta Spektra Sdn Bhd

Sheetal Rakheja
Managing Partner at AEON Design & Development LLP

Ir. Soong Peng Soon
GBI Commissioning Specialist

Sun Hansong
Director of China
IEN Consultants

Surendro
Deputy Rating Development and Training in Green Building Council Indonesia

Ar Dr. Tan Loke Mun
Director, ArchiCentre Sdn Bhd

Ar Von Kok Leong
Past President of MGBC
Director, Arkitek MAA Sdn Bhd

Dr. Worajit Setthapun
Asian Development Institute for Community Economy and Technology, Chiang Mai Rajabhat University, Chiang Mai, Thailand

Ir. Yeoh Jit Shiong
Senior Interface Manager, Design
Mass Rapid Transit Corporation

Dr. Yeow Yoon Foo
Immediate Past President of CIOB

Dr. Zalina Shari
Senior Lecturer, Universiti Putra Malaysia (UPM)

Professor Ar Dr. Abdul Malek Abdul Rahman

Professor, Universiti Sains Malaysia

Topic: Future Cities Scenario of Malaysia

He has been with Universiti Sains Malaysia for 29 years. Apart from lecturing, his main interest is to research in green technologies where he developed new knowledge. His main current research areas are Integrated Energy Building Design, Green Building Index, Passive Solar Design Elements.

He had published several papers, proceedings, chapters in a book, national and international journals. He has also been invited as a keynote speaker and presenter for national and international conferences. Dr. Abdul Malek has written five academic books and currently is in the process of completing another manuscript. He has successfully supervised several Masters and PhD students to completion and one of the projects entitled Hybrid Turbine Ventilator was awarded for Intellectual Property in Green Technology product.

He is now involved in the project focusing on how the future cities of Malaysia would look like. As part of the project tasks, he is currently being appointed as the Editor of a book entitled " Towards Future Cities of Malaysia" and in the process of gathering information from 30 writers from USM, UKM, UiTM Shah Alam and Perak, UTHM and UM.

Ir. Ahmad Hadri Haris

Chief Executive Officer of
Malaysian Green Technology Corporation
(GreenTech Malaysia)

Topic: To be advised

Ir. Ahmad Hadri Haris is the Chief Executive Officer of Malaysian Green Technology Corporation (GreenTech Malaysia) since April 2013, an organisation under the purview of the Ministry of Energy, Green Technology and Water Malaysia, tasked with the responsibility to catalyse Green Technology deployment as Malaysia's strategic engine for socio-economic growth.

Prior to his appointment at GreenTech Malaysia, Ahmad Hadri was the Senior Director of Public Affairs (Asia Pacific) for First Solar, a global leader in solar energy solutions. Ahmad Hadri also played an instrumental role in the formulation and development of national policies, including the National Green Technology Policy 2009, the National Renewable Energy Policy 2010, and the Renewable Energy Act 2011, when he was appointed as the Chief Technical Advisor to the Ministry of Energy, Green Technology and Water from 2004 to 2011. Ahmad Hadri is widely recognised for his prominent role in introducing and formulating feed-in tariff (FiT) for Malaysia. Ahmad Hadri was also responsible to lead the UNDP-GEF supported solar BIPV project, which was recognised by UNDP as one of the most successful energy projects implemented by the Malaysian Government.

Ahmad Hadri is acknowledged as Malaysia's foremost expert in solar photovoltaic technology application, and is a registered professional engineer with the Board of Engineers Malaysia. He started his career in 1997 at Tenaga Nasional Berhad after graduating with honours in Mechanical Engineering from the University of Manchester Institute of Science and Technology in the United Kingdom.

Ir. Ahmad Izdihar B. Supaat

Managing Director,
Exergy Malaysia Sdn Bhd

Honorary Secretary, MGBC

Topic: Green Interiors

Ir. Ahmad Izdihar is a registered professional mechanical engineer with 20 years' experience as consultant in the building industry. He is the managing director of Exergy Malaysia Sdn Bhd an Environmentally Sustainable Design Consultancy based in Kuala Lumpur. He is also a registered Green Building Index Facilitator. Ir. Ahmad Izdihar is the Honorary Secretary of Malaysian Green Building Confederation for the 2015-2016 term. He is often invited to lecture on various Sustainability and Air Conditioning topics for Pertubuhan Akitek Malaysia, Association of Consulting Engineers Malaysia, Malaysian Green Building Confederation and MASHRAE. He is also an invited lecturer, speaker and examiner for Green Building Index. Ir. Ahmad Izdihar holds a B.Sc Mechanical Engineering degree from Polytechnic University, Brooklyn, New York. He has extensive experience in the design of building services with concentration on ACMV system. He is also currently facilitating sustainable designs for various buildings in Malaysia.

SPEAKERS

Dr. Amirhosein Ghaffarianhoseini

Senior Lecturer in Architecture,
Green Buildings and Urban Sustainability

University of Malaya (UM), Malaysia

Topic: Thermal Performance Characteristics of Outdoor Spaces in the Tropics: Towards Mitigating the UHI Effects in Kuala Lumpur, Malaysia

Dr. Amirhosein Ghaffarianhoseini is a senior lecturer in the field of architectural design, green buildings, urban greening and environmental simulation at University of Malaya (UM) in Malaysia. He currently serves as editorial board member, scientific/technical committee member and reviewer for various top-ranked international journals and conferences. He has secured several national and international funding for interdisciplinary research projects related to the environmental optimization of built environments and future urban areas. He has been invited as keynote speaker for several international conferences and symposiums. In addition to his academic work, he has practiced as architect, urban designer and project manager for several years.

His field of research is inherently interdisciplinary and generally lies in the application of green design strategies in built environments and urban settings. He has been predominantly interested in focusing on the interrelations of four research domains including 'architectural design', 'building science' 'urban sustainability' and 'integrated technologies'. His research articles are published in many of the world's top-ranked journals including Building and Environment, Applied Energy, Renewable and Sustainable Energy Reviews, Cities, Urban Forestry & Urban Greening, Renewable Energy, Intelligent Buildings International, Desalination and Water Treatment, Sustainable Cities and Society and Architectural Science Review.

Ir. Ana Miraa Mohd Yusof

Technical Director,
Aura-Lite (M) Sdn Bhd

Topic: Gross Pollutant Traps for Cleaner Water Ways

Ir. Ana Miraa graduated from Queensland University of Technology, Australia (QUT) with Bachelor of Engineering (Mechanical) and MSc in Water Resources Engineering (UiTM). She is currently serving as a member of Malaysia Water Association (MWA) since 2007. Her engineering career started in July 1999 specializing in pumping system equipment and design for water, waste water and oil & gas industries. She further specialized in environmental and storm water management products i.e gross pollutant traps and floating litter traps with successful installations throughout Malaysia and also Singapore.

Since joining Aura-Lite in 2014, she is now focusing on design and supply of rainwater harvesting systems. She works with groups of architects, M&E and C&S consultants in delivering optimum solution to client. Aura-Lite recent installations, among others include centralized rainwater filter for IKEA Jalan Cochrane, Cheras; looking at a massive 1200 l/s filtration rate and 200m3 rainwater collected for reuse purpose.

Ms. Andrea Reimer

City Councilor and Chair,
Standing Committee on Policy
and Strategic Priorities

Topic: Vancouver: Greenest City 2020

Andrea Reimer was first elected to Vancouver City Council in 2008. As the lead councillor on the City's award-winning Greenest City Action Plan, Ms. Reimer led efforts to make Vancouver a global leader in environmental action, validated by Vancouver being named the fourth greenest city on Earth in 2014 and one of four cities honoured at COP21 in 2015.

Ms. Reimer has held many positions on City Council including being appointed as the City's first permanent Deputy Mayor (2014-2015), Chair of Planning, Transportation and Environment (2008-2015) and recently being appointed to be the Chair of Council's new Standing Committee on Policy and Strategic Priorities. In addition, Ms. Reimer also leads initiatives that support Vancouver being a city of compassion, opportunity and strong communities. She is passionate about transformative, community-driven change, while being realistic about the hard work it takes to get there.

Dr. Anne F Kerr, PhD (Civil Engineering)

Global Head, Urbanization Mott MacDonald Group

Topic: Rewarding Measurable Improvements for Better Buildings: Do The Standards Go Far Enough?

Dr Anne Kerr has worked in more than 30 countries and is a driving force in Mott MacDonald's businesses relating to the development of future cities and urban living. She established the Future Cities Working Group that has become a Global Initiative which sets targets for growth across the entire business, considers the development of communities and connectors in a holistic manner. Anne has been engaged in the delivery of projects from concept through implementation in an integrated manner. The benefits of this approach can be seen in community and new town developments in various countries.

Anne was seconded into the Hong Kong Government to participate in strategic planning and development for Hong Kong and was the first person in Hong Kong to address the issues of Sustainable Development (using the Agenda 21 as a pivot) where she created the means to assess projects and components of development strategies (a 30 year master plan for Hong Kong's land use, transport, residential, industrial/commercial, social and environmental framework).

Her portfolio of projects includes development of Sustainable Construction Management Frameworks and building performance tools for governments, sustainable transport master planning assessments and frameworks, energy management and calculations of greenhouse gases from power, infrastructure and city developments as well as "green building and sustainable transport planning" in China.

Mr. Anthony Wong Kim Hooi

Topic: Sustainabillty and Green for Better Bottom Line and Business

Mr. Anthony Wong is the group managing director for several companies which include the greenest Resort in Malaysia, The Frangipani Resort and Spa in Langkawi which has won many Green Awards, Asian Overland Tours and Travel, and AOS Conventions and Events. He has a Masters of Arts (Sustainable Tourism) (Honoris CAUSA). He is an Adjunct Professor at University Utara Malaysia and is an active member of the Board of Tourism Authorities.

He is also a member of the Board of Director at Tourism Selangor and also the Board of the Malaysia Associations of Hotel Owners. He has been in the Travel and MICE industry for more than forty years and has contributed his knowledge by traveling globally to share his experiences in the field. He was an invited speaker at the Rio+20 Corporate Sustainability Forum in Brazil. He also spoke at the ASEAN Tourism Conference and the Asia-Pacific Enterprise Cooperation ("APEC") Summit in which he received the APELA 2013 Award "Theme: Case Study on Designing & Building a Green Resort – Over 200 ways to save on Water, Energy, Waste, Recycle and Rethink on the Way We Operate.

As a veteran, Mr. Wong has always been a green person and sustainability was always part of his nature and passion since at young age. From a humble beginning, Mr. Wong's love for nature has made him value the environment and adapted green practices in all his ventures.

INDIA

Ashish Rakheja

Managing Director, AEON Integrated Building Design Consultants

Topic:

1) Façade Odyssey: Importance of Façades in High Performance Building Design
2) Importance of Microclimate in High Performance Building Design
3) An Engineer's Perspective on Designing Net Zero Energy Buildings

Mr. Ashish Rakheja is Managing Partner of AEON Integrated Building Design Consultants based in New Delhi, India and has a postgraduate degree in Thermal Engineering with twenty five years of work experiences. He is a seasoned Consulting Engineer who has designed over 2000 projects including Hotels, Airports, Hospitals, Retail, Residential, Commercial, High rises and Industrial projects. Mr Rakheja specializes in high-performance buildings and has been actively involved in leading design activities of electro-mechanical services for three Net Zero Energy Buildings and over forty Platinum rated green projects in India. He is spearheading the green building movement in India in capacity of role as Chairman, Technical Committee of Indian Green Building Council (IGBC) and certified Trainer.

Mr Rakheja has won many awards and delivered over 500 talks on various facets of building design across the world. His projects are a blend of technology and passive design features wherein the building performance is enhanced by covering aspects like Thermal Comfort, Indoor Environment Quality, Heat islands, Micro-climate generation, CFD study, Day-lighting, enhanced ventilation etc.

He is an active member of over 20 Technical societies and regularly contributes his time on writing Standards, codes & position papers for Government bodies & Technical societies. He is involved in imparting training to budding Architects in the field of Building Services and a visiting faculty at leading schools in India.

Topic: New Green Integrated Building Solutions

Dato' Chan Wah Kiang

Group Managing Director of
Ajiya Berhad

Dato' Chan graduated from Tunku Abdul Rahman College (now TARUC) with a Bachelor of Science (majoring in Chemistry and Biology) degree from Campbell University, USA in 1983.

He is the Group Managing Director of AJIYA Bhd since 1996. He sits on board of several private limited companies and is also a panel member of Industry Expert Advisory Panel - Entrepreneurship Programme organized by Tunku Abdul Rahman University College (TARUC) Johor Branch.

Dato' Chan started as a Technical Chemist in a paint company and moved on to becoming Quality Assurance and Assistant Plant Manager of a metal roofing manufacturing company. In 1990, he co-founded Asia Roofing Industries Sdn Bhd to manufacture metal roll formed products and then AJIYA Safety Glass Sdn Bhd to process safety glass in 1996. In 1996, AJIYA BHD was listed on 2nd Board of Kuala Lumpur Stock Exchange (now Bursa Malaysia) and was subsequently promoted to Main Board in 2003.

His vision 2040 for the group is TO PROVIDE AFFORDABLE, SUSTAINABLE INTERGRATED BUILDING SOLUTIONS FOR THE COMMUNITY.

Topic: Contribution of GBI Towards Sustainable Malaysia & Future Directions

Ar Chan Seong Aun

GBIAP Chairman
Director, Arkitek Daya Seni Sdn Bhd

Ar Chan Seong Aun is a senior practicing Architect and Director of Arkitek Daya Seni Sdn Bhd, an architectural firm established in 1985. Ar Chan Seong Aun graduated with a B Arch (Hons) and M Arch (Distinction) from Victoria University of Wellington, New Zealand. His interest in Low Energy Architecture started in the early 1980s when he was offered a grant to carry out research on the energy requirements of New Zealand schools. This led to his thesis for his Master of Architecture.

Ar Chan was a member of the SIRIM Working Committee that updated MS1525:2007. He has represented PAM in various committees in KPKT, KTAK and SIRIM. Ar Chan was the President of PAM 2013-2015. Ar Chan was also the co-chairman of the PAM Sustainability Committee that developed the GBI and was also the founding Hon. Secretary of the Malaysian Green Building Confederation (MGBC).

Topic: Performance Glazings, Glass Eng-International Licensing

USA

Ms. Charlene Smith

PPG Industries, Inc.
Manager Technical Services,
International Flat Glass, USA

Charlene Smith earned a degree in Chemistry from the University of Pittsburgh and immediately joined PPG Industries, Inc., beginning her industrious career in the flat glass business. Charlene worked in R&D for many years on projects ranging from sol-gel abrasion resistant coatings for plastics to computer modeling of glass furnaces. During this period she earned 8 U.S. patents and 2 World patents, bringing innovation to PPG's Flat Glass business. With her fundamental knowledge of float and coated glass operations, she joined the float licensing team and trained clients in all aspects of the float glass process as well as pyrolytic and MSVD processes.

Charlene manages the PPG International Certified Program which qualifies glass fabricators to process PPG Solarban® low-e coated glass products. She also supports the international marketing and sales team to educate decision makers in the selection of energy saving flat glass products. Her current role in the international business has taken her to 22 countries and 6 continents. Her most traveled region is China and Southeast Asia.

Dr. Chee Chung Yee

Technical Director of Bacteria Free Water Engineering

Director of Operation of WISY South East Asia (SEA)

Topic: Rainwater-An Alternative Water Source For Our Growing Cities

Dr Chee Chung Yee is trained as a medical doctor & received his M.D. degree in Medicine from The University of Western Ontario, Canada. He has been actively involved in the field of water filtration & water quality research with particular focus on commercial point-of-entry water filtration system for over 15 years.

In 2007 BACFREE ventured into rainwater harvesting system under Dr Chee's leadership. As a pioneer in this new field BACFREE has contributed to the development of rainwater harvesting industry in Malaysia by increasing the awareness of the need for a sustainable water resources strategy among stake holders. With more than 5000 installed rainwater harvesting systems of varying sizes across the South East Asia region, BACFREE is currently the pioneer & market leader for rainwater harvesting system in Malaysia & South East Asia.

Ir. Chen Thiam Leong

DL & F.ASHRAE, FIFireE, P.Eng, C.Eng

Managing Director of PrimeTech Engineers Sdn Bhd

Topic:
1) The Arts & Science of Sustainable Technologies
2) Green Tools Galore (Staying Ahead)

Chen is a Past President of the Association of Consulting Engineers Malaysia, Institution of Fire Engineers Malaysia, ASHRAE Malaysia Chapter and Kiwanis Down Syndrome Foundation; and Advisor to the Malaysian Air-Conditioning & Refrigeration Association. He is a founding member of Malaysia's Green Building Index and is currently Co-Chair of the GBIAP.

Chen was instrumental in drafting various national codes including the Energy Efficiency bylaw and was involved in the National Steering Committees on Energy, ODS and Photo Voltaic. He author/co-authored various Malaysian Standards on Energy, HVAC and Fire Codes; and was a national expert for the HCFC Phase-out Master Plan.

Chen is an ASHRAE Distinguished Lecturer and a Practicing Consulting Engineer where his innovative designs have won 2 ASEAN Energy Awards, an Emerson Cup Winner and a 2nd Placing in the prestigious ASHRAE Technology Award 2013. In recognition of his contribution to the engineering fraternity, he was honored with the ACEM Gold Medal Award in 2010.

Ir. CK Tang

Principal, VERITAS Environment Sdn Bhd

Topic: Thermal Comfort and Energy Efficiency

CK Tang is an engineer and has over 20 years' experience in Energy Efficiency and Green Buildings in Malaysia. CK has completed numerous low energy building demonstration projects in Malaysia. These demonstration buildings have operational data that showing energy reduction of 50% to 75%.

CK has also recently authored 2 books on Passive and Active Design Technical Guideline on Energy Efficiency in Buildings for Malaysian climate. It was written under the support of UNDP (United Nation Development Program), GEF (Global Environmental Fund), the Malaysian Government (JKR).

Today CK Tang is the Principle of Veritas Environment Sdn. Bhd. He is also the lead consultant for Component 4, Information and Awareness, of the Building Sector Energy Efficiency Project (BSEEP), by the UNDP, GEF and JKR, in Malaysia.

AUSTRALIA

Prof. Deo Prasad

Scientia Professor Deo Prasad AO FTSE

Topic: Aspiring for zero net emission building – is it a myth'

Professor Prasad is an international authority on sustainable buildings and cities and among the leading advocates for sustainability in Australia. Deo won the 2006 Royal Australian Institute of Architect's National Education Award for contribution to 'sustainability education, research and design'. In 2004 he won the NSW State Government's individual GreenGlobe Award for 'showing leadership and commitment to the supply of renewable energy'. He has also won the Federal Government's national award for 'outstanding contribution to energy related research'.

Deo is the Chief Investigator (lead proponent) and CEO of the newly established CRC for Low Carbon Living. This is the largest ever industry - government - professions - research collaboration in Australia and is leading to transformative impacts in the built environment sector. He is also is one of the Sydney Ambassadors (Business Events NSW) focusing on promoting Sydney as a destination for high end environmental-scientific events. In 2014 he was awarded the Outstanding Alumni Award for contribution in the field of sustainability by UNSW and has been awarded the Order of Australia by the Governor General of Australia for services to sustainability and renewable energy through his research and for extensive international community work.

UNIVERSITY KEBANGSAAN MALAYSIA

Professor Emeritus Dato' Ar Dr. Elias @ Ilias bin Salleh

Topic: Living on Circular Principles

Professor Emeritus Dato' Ar. Dr. Elias @ Ilias bin Salleh holds a Doctorate degree in Energy and Environment from the Architectural Association Graduate School of Architecture London (1994), a Master degree in Building Science from the University of Sydney Australia (1981), and a Professional Diploma in Architecture from Plymouth Polytechnic UK (1973).

Professor Emeritus Elias Salleh has served in various capacities in local public universities since 1973: Universiti Teknologi Malaysia (UTM) 1973-1999, Universiti Utara Malaysia (UUM) 1999-2003 as a Deputy Vice-Chancellor, Universiti Putra Malaysia (UPM) 2003-2011 as Professor in Architecture and Universiti Kebangsaan Malaysia (UKM) 2012-present as a Principal Research Fellow at Solar Energy Research Institute (SERI), focusing on passive low-energy design and solar technology. He received Emeritus Professorship from UTM in May 2013. In August 2015 he was awarded the inaugural Architectural Education Award by the Board of Architects Malaysia. He was a member of Council of Architectural Education and Accreditation Malaysia (CAEAM). He is a co-founder of the Malaysia Green Building Confederation (MGBC), and a Board member of Greenbuildingindex Sdn Bhd (GSB) 2013-2015. He currently sits on the Board of MARA-owned Design Development Centre Sdn Bhd (DDEC) which deals with design innovation and entrepreneurship.

DENMARK

Gregers Reimann

Managing Director
IEN Consultants

Topic:

1) Biophilic and Daylit Building Design Solutions
2) The Fattest Nation in Asia - and how the Built Environment can help

IEN Consultants is one of the pioneering green building consultancies in the South East Asian region with a 16 year track record. Key project references include the GEO Building designed to be a zero energy office building, as well as the ST Diamond Building (2012 ASEAN Energy Award winner). Other projects include the KLIA2 airport terminal, the busiest airport terminal in Malaysia, and KL Eco City, as well as energy efficiency retrofit work.

Gregers, originally from Denmark, regularly contributes to green building articles and frequently guest lectures at universities internationally. Over the past 11 years of working for IEN Consultants in Malaysia, he has shown a keen interest to pursue innovative and integrated design solutions bridging the gap between architects and engineers. And he walks the talk by bicycling work.

SPEAKERS

Datuk Hj. Mohd Najib Bin Hj. Mohd

Executive Director : Planning
Kuala Lumpur City Council

Topic: Kuala Lumpur Road Map for Growth Distribution

Datuk Haji Mohd Najib has a degree in Quantity Surveying from UTM in 1982 and completed his MBA in Project Management (University of Dundee, UK, 1997). He started his career in DBKL as a QS officer in March 1982 and rise up from rank and file to become the Director QS Department in 2001. He was further promoted to Deputy Director General of Project Management DBKL in 2012. Currently he is the Executive Director of Planning, for Kuala Lumpur City Council (DBKL)

SWEDEN

Dr. Hoai Anh Tran

Associate Professor of Urban Studies

Program manager, Urban Development and Planning Program Department of Urban Studies, Malmö University

Topic: Planning for Inclusive Urban Spaces

Hoai Anh Tran is Associate Professor in Urban Studies at Malmö University, Sweden. Born and grown up in Hanoi, she holds a Bachelor diploma in Architecture from Hanoi Architectural University and a PhD in Architecture and Development Studies from the Development of Architecture, Lund University, Sweden. Hoai Anh Tran has been based in Sweden in the past 25 years and is currently the Program Manager of the graduate program Urban Development and Planning at the Department of Urban Studies, Malmö University. Her research examines urban development, urban and housing policies, and their impacts on different social groups with a focus on Vietnam. Her current research deals with urban space production and urban qualities with examples from the new urban areas of Hanoi. Other research interests include housing research, gentrification, globalisation and urban changes.

Ir. Jack WL Chan

Director,
Edisi Hijau Sdn Bhd

Topic: Green Measures: Art of Green Performance Verification

Ir. Jack Chan has been actively involved in building services engineering for the past twenty years. Graduated from the National University of Singapore with a Bachelor Degree in Mechanical Engineering, he began his career with an established consultancy firm with projects in Singapore and Malaysia. He was involved in drafting of several national standard in the air conditioning and energy industry. He was actively involved in the UNDP HCFC phaseout program and is also engaged by them to conduct a pilot study for a pilot study on a practical approach to assess building energy intensity.

Currently, he is actively involved in providing enhanced commissioning services and energy audit for projects seeking certification on LEED and GBI. He also hold a Certified Professional in Measurement and Verification issued by Greentech Malaysia.

AUSTRALIA

Jorge Chapa

Executive Director, Green Building Council of Australia

Topic: Best places for everyone

As the Executive Director of Market Transformation, Jorge is responsible for ensuring the GBCA's product and service offerings deliver more sustainable places for everyone. In addition, Jorge is responsible for improving the quality of professionals in Australia through the accreditation program, and increasing the uptake of certification services throughout Australia.

Chief among his accomplishments is the latest version of Green Star, Australia's leading sustainability rating tool for buildings, fitouts and communities. This evolution of Green Star addresses issues such as climate change and adaptation plans, life cycle assessment of products and materials, healthy and active living programs for occupants, social return on investment, economic resilience, and the introduction of Green Star Innovation Challenges.

Jorge has an architecture degree from the University of Monterrey in Mexico and a Masters in Design Science from the University of Sydney. He brings to his role a wealth of experience from his roles as an ESD consultant and product assessor with EcoSpecifier and architect with the Buchan Group.

JKR

Ir. Kevin Hor

Building Sector Energy Efficiency Project

Topic: Long Term Goals and Targets for the Building Sector - How Data Assists in Such Formulations

Ir. Kevin Hor is a registered professional engineer as well as a registered electrical energy manager. He holds two degrees from Imperial College London and has been extensively involved in the energy and environment sector. He has a track record with various energy efficiency projects where he was responsible for developing energy efficiency financing and incentive models, development of policy papers and has a proven track record in implementation of "low cost/no cost" and investment energy saving measures. He has also been involved in some of the most complex billion ringgit infrastructure projects in Malaysia and has extensive experience in the green building industry.

Having GreenRE and Green Building Index, Measurement and Verification certifications, he has worked on numerous energy efficient commercial and residential building designs, standard development and is leading the implementation of a national building sector energy efficiency project in Malaysia.

Ir. Lum Youk Lee

Treasurer of Malaysia Shopping Malls Association (PPK Malaysia)

Past Chairman of Mechanical Engineering Technical Division, Institute of Engineers, Malaysia (IEM)

Topic: Green Indulgence - Paradox of doing Green Shopping Mall

An engineer by profession, Lum has 16 years of extensive work experience in high-rise property construction and excellent knowledge and skills in the management of commercial, retail and residential properties. He has overseen both the commercial and retail components of AmFIRST's properties including repositioning, upgrading and transformation initiatives.

In addition, he participates in the technical analysis of new assets acquisition and in the maintenance and cost containment of existing properties. Ir. Lum was also Centre Manager of Gateway@KLIA2, the first purpose built airport mall in Malaysia. Currently Ir. Lum YL is the General Manager of a Development Company, overseeing design, development and operation of the group retail investment properties.

Ms. Melissa Ng Siau Hue

Marketing Manager,
DJI International Sdn Bhd

Topic: Energy Saving Thermal Insulation Wall

Melissa Ng holds a Diploma (Hons) in Architecture from Universiti Teknologi Malaysia Skudai, Johor Bahru. She is an experienced operation manager building teamwork, initiatives and performing leadership skills involving managing, developing and motivating teams to achieve their objectives. She has high dedication in maintaining quality standards working ability. Her career ambition includes continuously self-improvement in various relevant aspects to ensure efforts are contributed in a professional and practical manner.

Nofri Yenita Dahlan

Dr., AEE CMVP

Topic: Basic Concept of Measurement and Verification (M&V) for Quantifying Energy Savings in Building

Dr. Nofri Yenita Dahlan is currently an ASEAN-U.S. Science and Technology Fellow. Under this fellowship, she is currently worked with the Renewable Energy Research Center, SIRIM focusing on solar thermal technology. As a senior lecturer in the Faculty of Electrical Engineering at the Universiti Teknologi MARA (UiTM), Dr Nofri has focused on power generation investment and energy efficiency. In recognition for her achievements in the field, she has been awarded a Certified Measurement and Verification Professional (CMVP) from the Efficiency Valuation Organization (EVO) and Association of Energy Engineers (AEE).

Dr. Nofri is a trainer for Measurement and Verification (M&V) organized by Malaysia Greentech. As a technical expert for Malaysia Greentech, Dr. Nofri has involved in M&V activities for several energy performance contracts.

She received Electrical Degree, B. Eng (Hons) from Universiti Tenaga National, Malaysia (2001), M.Sc. (2003) and Ph.D. degree (2011) in energy economics from the University of Manchester, UK.

Ms. Pamela Phua

Director, RD&I, South East &
South Asia, Middle East

Director, Exterior, Wallpaint Expertise Group,
RD&I, Global AkzoNobel Decorative Paints

Topic: Innovative Solutions for a Better Tomorrow

Pamela Phua has more than 20 years' experience in Research, Development and Innovation (RD&I) in the coatings industry. In her current role as Director of RD&I for AkzoNobel, she drives new technology development and product implementation across the South East, South Asia and Middle East regions.

Pamela was instrumental in setting up the global research and laboratory operations for the company's Decorative Paints (Global Exterior Wallpaint Expertise Group) in 2011. She spearheads the RD&I functional excellence, standards and capability, and the efficient delivery of processes as the approved Standards & Processes across the globe.

To achieve the goal of bringing product innovations to high-growth Asian markets with speed, Pamela centralized the RD&I organization and drove harmonization in the products.

Some leading innovations launched by Pamela and her team included interior and exterior emulsion paints. Her expertise and experience has been instrumental in the setting of industry standards in Singapore. Pamela is the Technical Chairperson for the Singapore Paint Industry Association and a committee member in the Chemical Standards Council of Singapore. She has helped to set up several Singapore Standards, including SS345, SS150, SS500 and SS494.

Pamela is an industry consultant to regulatory bodies such as Spring Singapore, Singapore Green Label, the Housing and Development Board, Singapore Green Building Council, National Environment Agency and the Singapore Institute of Architects. She is also an A*Star certified auditor for accredited testing laboratories in Singapore.

Topic: Towards Achieving Our Vision for Better Liveable City

Dato Paduka Ar. H. Idris B H. Abas
CEO & Principal Architect
ARKITEK IDRIS

Dato Paduka Ar. H. Idris is a practicing professional architect and CEO of Arkitek Idris which provides architectural, planning and interior design services in Brunei Darussalam.

He initiated the formation of the Brunei Green Building Council (BGBC) while he was the President of Pertubuhan Ukur Jurutera & Arkitek (PUJA Brunei). He is the founder and the current elected President of the BGBC formed in May 2013 with the objectives of driving Brunei Darussalam's construction industry towards more environmental-friendly buildings; promoting sustainability in the built environment and raising environmental awareness.

The BGBC was involved with the drafting of the Energy Efficiency and Conservation (EEC) Building guidelines which was launched May 2015.

He is Member of the Committee for Planning and Development of the Municipality of Bandar Seri Begawan responsible for the master plan.

He is Fellow of RAIA, PUJA (B), Chartered Member of RIBA, Hon. FAFEO and FAAET.
His Majesty the Sultan of Brunei Darussalam appointed him as a Member of the Brunei Legislative Council (Brunei Parliament) from 2004until 2011.

He is Recipient of Alumni Award for National Leadership 2013 of University of Newcastle.

He is President of the Brunei Darussalam Scouts Association.

Topic: How Paint Technology Evolve and Contribute to the Wellness of Living

SINGAPORE

Dr. Richard SH Seow
Chief Technology Officer
(Nipsea Group)

Dr Richard Seow joins Nipsea Group as Chief Technology Officer. With innovation experience across a variety of chemical industry segments, he is spearheading the initiatives for transforming Nipsea Group and its brand "Nippon Paint" into the most innovative company in the coating industry.

Prior to Nipsea, Dr. Seow held various regional and senior positions in Rhodia Inc. (Solvay), Milliken & Co. and Eastman Chemical – all are multinational companies (MNCs) in the chemical industry. Although his MNC career is primarily R&D focus, his experience has stretched beyond technical and science. Throughout the years, Dr. Seow held regional positions in Human Resources, Business Management, Supply Chain and Customer Service in these MNCs. Dr. Seow graduated from the National University of Singapore with BSc and PhD degree in Chemistry.

Topic: Way Forward for Construction Industry and Solid Waste Management with Active Participation in Carbon Footprint Reduction for Sustainable Development

Ir. Dr. Saravanan Mariappan
Director, Selekta Spektra Sdn Bhd

Ir. Dr. Saravanan Mariappan, obtained Bachelors and Masters Degree in Engineering from University of Malaya and PhD in Environmental Geotechnics from Kyoto University, Japan. Involved in the field of geotechnical engineering for the past 20 years and has been practicing engineering since 2001 as the principal engineer of Nexus Engineering Consultants (Nexus EC Sdn Bhd). Worked mainly in the area of Forensic Engineering, Engineering Audit, Foundation, Geotechnical Remedial Works, and Applied Environmental Geotechnics in areas of Landfill Engineering and Hill Side Development for long term sustainability. As an accredited geotechnical checker register with Board of Engineers Malaysia, he has also involved in numerous geotechnical projects as independent checker and expert witness. He has published a book on Characteristic of Unsaturated Residual Soil, 6 journal papers, 52 technical publications and given numerous technical seminars in the area of geotechnical and environmental geotechnics.

Ar Sarly Adre Sarkum

President of the Malaysia
Green Building Confederation

Topic: Urban Sustainability: Creating Future Cities

Ar Sarly Adre Sarkum is an architecture futurist, sustainability proponent and design activist. Currently he helms the hybrid architectural design firm [SA]2 or Sarly Adre Sarkum Architecture Sdn Bhd which combines cutting edge architectural design solutions with extensive researched based explorative approach to solve challenging integrated design problems.

He is currently the President of the Malaysia Green Building Confederation which is Malaysia's Green Building Council under the auspices of the World Green Building Council. He is also currently a elected council member of Pertubuhan Akitek Malaysia (The Malaysian Institute of Architects). He currently sits as one of the five directors of the GBI Green Rating Tool. He is also the editor in chief for 'Architecture Malaysia' magazine which is the premier architecture journal for the Malaysian Institute of Architects.

INDIA

Sheetal Rakheja

Managing Partner at AEON
Design & Development LLP

Topic: An Architect's Perspective on Designing Net Zero Energy Buildings

Ms. Sheetal Rakheja is Managing Partner at AEON Design & Development LLP, which is a leading architecture and Interior design firm based in Delhi. An Architect by profession, Sheetal is an accredited Green building professional, Co-chair IGBC Delhi Chapter, member of IGBC Executive Committee and President of International Fenestration Forum. She has been actively conducting awareness programs and involved in multiple initiatives with the local authorities to bring about the change in the society towards sustainable development. She has designed over 100 projects covering a staggering 50 Million Sq. Ft. of built space. Her wide portfolio of works ranges from Master Planning of large townships to architecture, interior and landscape Design of mid and large size corporate offices, SEZ, hospitals, residential housings and private residences. She is currently working on new challenges of making restorative buildings, which giveback more to the planet than what they take from it.

Her projects are woven with the fabric of sustainability, which demonstrates the commitment of environment responsibility. Sheetal has the unique distinction of designing three Platinum rated, five Gold Certified Buildings and "Shunya" - the first Net Zero Energy Home in India. A firm believer in Sustainable Architecture and with a passion for seeing India's development as sustainable, Sheetal has been conducting many workshop and has been a speaker and panelist at various national and international forums on sustainable architecture throughout India.

Simon Wild

Sustainability Director at Lendlease

Topic: Health & Wellbeing in the Workplace

Simon is Sustainability Director at Lendlease working on two of Lendlease's largest integrated mixed use projects in Asia – Paya Lebar Central in Singapore and TRX Lifestyle Quarter in Kuala Lumpur.

Prior to joining Lend Lease in October 2014 Simon founded Cundall, a leading sustainability consultancy in the Asia Pacific Region. Starting in Sydney in 2003 and growing the business to seven offices in Sydney, Melbourne, Shanghai, Adelaide, Hong Kong, Perth and Singapore.

Simon has some 20 years experience across a wide range of green and energy efficient buildings globally. His ESD project direction includes the ground-breaking Rouse Hill Town Centre, 1 Bligh in Sydney, 1 Hyde Park in London and more recently Barangaroo in Sydney.

Described by others as visionary, Simon's approach is collaborative and inclusive; he believes that working together can achieve real and long lasting outcomes. Simon's vision is that together, we can go far quickly.

MALAYSIA

Ir. Soong Peng Soon

GBI Commissioning Specialist

Topic: Building Commissioning as Delivery Process & Performance Evaluation,Collaboration with Institute of Higher Learning

Ir. Soong Peng Soon graduated from University of Malaya in year 1984 and has more than 32 years of experiences in the design, manufacturing, construction, testing, operation & maintenance of HVAC system & components as well as general M&E systems. He is highly regarded for his wide hands-on experience from design to start-up of many prestigious projects. He is an ASHRAE certified Commissioning Process Management Professional and a GBI certified Commissioning Specialist (CxS), currently overseeing many green building projects and have successfully concluded CVA for several iconic projects.

His contribution in successful evaluation of building energy efficiency with exceptional analytical instrument & technique has defined his leading role in this field. He is also a building auditor for Architect Centre, a subsidiary of PAM in providing independent building system audit to the industry and he has been an active & senior member of Institution of Engineers Malaysia, and the proponent for the green technology initiative, fire safety and industrial standardization of the institution.

CHINA

Sun Hansong

Director of China
IEN Consultants

Topic: Increased Well-Being for Building Occupants with WELL Standard

IEN Consultants is one of the pioneering green building consultancies in the South East Asian region with a 16 year track record. Key project reference includes the ST Diamond Building (2012 ASEAN Energy Award winner).

IEN Consultants entered the China market in 2014, with a vision to bring our knowledge and experience in energy efficiency and sustainability to China, helping solve its increasing energy and environmental problems during rapid urbanization.

Sun Hansong, joined IEN Consultants in 2014, before which he has worked with many international design companies in Singapore and China. Over the past 10 years, he has pursued to be a professional in providing integrated design solutions to both green buildings and ecological urban development. Currently, he is leading the IEN China office in Beijing, with keen technical interests in Healthy Buildings, Passive and Active Houses, Nearly Zero Energy Buildings, Livable and Walkable Cities, and research on Green Economy.

Surendro

Deputy Rating Development and Training in Green Building Council Indonesia

Topic: Building Green Community

More than 15 years experience in multinational company and most recent experience in Green Building Council Indonesia to develop Rating Tool and to coordinate Training Programs.

Develop Eco-Officer Implementation Questioner for local government office to ensure efficient usage of energy and water, healthy indoor and outdoor environment and less emission and waste.

Developed a Basic Guidance of Green Building Project for Finance Institutions.

Involved in Indonesia Green Industry Award 2015 as verifier.

Panelist/speaker in several events such as Indonesia Energy Resilience Seminar at Banda Aceh, Green Building Assessment Workshop at Medan, Healthcare design with Sustainable Approach Seminar in Surabaya, Eco-Office Implementation meeting in Central Bank in Indonesia and Regional Green Building Panel Discussion in Thailand Green Building Conference.

Certified as GREENSHIP Professional (issued by Green Building Council Indonesia) and graduated from Institute Technology Sepuluh November Surabaya Indonesia.

Tai Lee Siang

Vice Chairman, World Green Building Council

Honorary Advisor, Singapore Green Building Council

Group Managing Director, ONG&ONG Group Pte Ltd

Topic: Cities We Love and Sustain

Mr Tai graduated with Honors from NUS in 1987 and has practiced as an architect and urban planner since 1990. His key projects have won both local and international awards and he was featured in the URA exhibition "20 under 45" in 2004.

He was elected as President of Singapore Green Building Council in 2011, a key body for the promotion and advocacy of Green Buildings in Singapore Under his leadership, the first green building product certification scheme in Singapore was established. The growth of the green building industry gained significant milestone both locally and globally during his tenure. In 2013, he was officially appointed as a Board Director of World Green Building Council and was subsequently elected as Vice Chairman in 2014.

Mr Tai currently holds the position of Group Managing Director of Ong & Ong Group – a multi-discipline consultancy firm that provides 360° solution encompassing Urban Planning, Architecture, Engineering, Landscape Architecture and Interior Design of 900 strong.

Ar Dr. Tan Loke Mun

Director, ArchiCentre Sdn Bhd

Topic: Eco – systems and Immortality

Dr Tan Loke Mun, is principal of DrTanLM Architect, Director of DTLM Design Ground (DTLMG) and ArchiCentre Sdn. Bhd. The architectural design studio operates out of Kuala Lumpur, Malaysia where they are involved in a large variety of high profile work. He is a Past President of the Malaysian Institute of Architects (PAM), Past Chairman of the LAM-PAM Green Building and Sustainability Committee, member of the Board of Architects Malaysia and the Board of Engineers Malaysia.

Dr Tan studied at Taylor's College, Kuala Lumpur and obtained his architectural training from Deakin University and later his doctorate from Melbourne University, Australia. Dr Tan's doctoral studies was in social and self help housing and he has worked in most parts of urban and rural Australia, Uruguay and Argentina.

Dr Tan's architecture embraces and interprets regionalism in a modern social context. In a rapidly changing world landscape, he believes that well designed buildings and spaces creates added value for all its users. Often working from the basis of typologies, he has managed to interpret and translate simple regional metaphors into his increasingly green architecture.

Dr Tan's works are widely published and he has received numerous Architectural Awards for his works. He lectures widely on Architecture and Design, and is Adjunct Professor at University Tun Hussein Onn Malaysia, and also industry advisor to Taylors University and Tunku Abdul Rahman University College.

Ar Von Kok Leong

Past President of MGBC

Director, Arkitek MAA Sdn Bhd

Topic: To be advised

Ar. Von Kok Leong is a practicing professional architect registered with LAM and PAM, and a Director at Arkitek MAA Sdn Bhd.

Ar Von is a member of the Joint LAM-PAM Sustainability Committee that strategized and established the GBI. He is part of the team that led the drafting of the GBI Non-Residential New Construction (NRNC), Non-Residential Existing Building (NREB), Residential New Construction (RNC) version 3 and the Office Interior Rating Tools and Reference Guides. He has regularly presented lectures on GBI, passive design strategies and on MS1525, the Code of Practice on Energy Efficiency and Use of Renewable Energy for Non-Residential Buildings. He is also a member of the Working Group responsible for the drafting of the 2014 revision of the MS1525.

Ar Von is the first elected President of the Malaysia Green Building Confederation (MGBC), a membership-based NGO set up to bring about greater awareness of sustainability in the built environment in Malaysia. Ar Von has served as a member of the GBI Accreditation Panel since 2010.

Dr. Worajit Setthapun

Asian Development Institute for Community Economy and Technology, Chiang Mai Rajabhat University, Chiang Mai, Thailand

Topic: Building a Green Community from Green Technologies Integration – Case Study: Chiang Mai World Green City

Dr. Worajit Setthapun is currently the Dean at the Asian Development College for Community Economy and Technology, Chiang Mai Rajabhat University, Chiang Mai, Thailand. Her role is to manage the Graduate Programs, Renewable Energy Research and Training Center, and the Chiang Mai World Green City. The green city is a living-laboratory that demonstrates green technology with the focus area of Renewable Energy, DC Microgrid, Smart Homes, Energy Efficient Buildings, Community Technology and Low Carbon Society. The green city development and activities are the main efforts from over 30 research and development projects funded from Thailand Ministry of Energy, Thailand's Energy Regulatory Commission, Office of Naval Research, USA, National Research Council of Thailand, APEC, NEDO, YASTI, DFG and private sectors.

Dr. Setthapun is currently has a joint position as the ASEAN-U.S. Science and Technology Fellows. She is working at the Ministry of Energy, Thailand on the Thailand's Decentralized Community Power Project. She is also the coordinator for Thailand Research Fund – Global Funding Agencies Alliance Program.

Ir. Yeoh Jit Shiong

Senior Interface Manager, Design
Mass Rapid Transit Corporation

Topic: Green Practices in MRT Construction

Ir Yeoh is a Professional Engineer registered with Board of Engineers Malaysia (BEM), a Corporate Member of The Institution of Engineers Malaysia (IEM), Associate Member of The Institution of Fire Engineers (UK) Malaysia Branch (IFE), Engineer Associate of Air Movement and Control Association (AMCA), Member of American Society for Quality (ASQ) and a committee member of IEM Mechanical Engineering Technical Division.

He has been involved with numerous mega projects in Malaysia, namely the Stormwater Management and Road Tunnel Project (SMART), the world's first dual-purpose tunnel, Electrified Double Track Project from Ipoh to Padang Besar, the Klang Valley Mass Rapid Transport Project (KVMRT), and Kelana Jaya LRT Extension Project. He has also been involved with a couple of projects overseas namely CP10: New Doha International Airport (NDIA) project in Qatar and Contract 912 – Bukit Panjang Civil Defence MRT Station and Cut & Cover Tunnel in Singapore.

He is currently assuming the position of Senior Interface Manager in Design & Planning department with Mass Rapid Transit Corporation. He is primarily in charge of the construction and implementation of KVMRT SBK line underground works, managing the coordination and interfacing between underground contractor and 13 other railway system contractors. He's also involved in the tender preparation and specification for KVMRT SSP line.

Dr. Yeow Yoon Foo

Immediate Past President of CIOB

Topic: "Buildability" & "Constructability" For Sustainability – With Reference To The CIOB's Carbon Action Plan 2050

A Chartered Building Professional & holds a Professional Diploma in Building Technology, Master in Management, Master of Science in Engineering Business Management, Engineering Doctorate in Construction Project Management.

A CIDB Accredited Construction Industry Mediator, a CIDB Certified Construction Project Manager & KLRCA Certified Adjudicator.

Thirty-Nine (39) years of extensive practical experience in Project Development & Construction.

Has profound interest in Education, Experiential Training & Development with Twenty-Nine (29) years of training & lecturing experience in Construction & Development Project Management.

An active member serving in various technical & educational committees of The Chartered Institute Of Building (CIOB), The Construction Industry Development Board (CIDB) Malaysia, Professional Services Development Corporation (PSDC) Malaysia, Standards & Industrial Research Institute Of Malaysia (SIRIM), East Asia Regional Organization For Planning & Housing (EAROPH), Ministry Of Higher Education (MOHE) Malaysia & The Master Builders Association Malaysia (MBAM).

Founder Member of The CIOB Malaysia Branch In 1976, a regional organisation of a professional institution for the building professionals formed more than 180 years ago with its head quarter in united kingdom having membership of more than 48,000 throughout the world.

Currently the Immediate Past President of The Chartered Institute Of Building (CIOB) Malaysia and representative for the Asia Pacific Region of CIOB International.

Dr. Zalina Shari

Senior Lecturer, Universiti Putra Malaysia (UPM)

Board Member, Malaysia Green Building Confederation (MGBC)

Topic: Green Building Rating Tools in Malaysia: Market Effects & Comparison

Dr. Zalina Shari received her PhD in Architecture (specializing in building sustainability assessment) in 2011 from the University of Adelaide, South Australia. With this expertise, she was appointed as a lead consultant to develop green community and green building guidelines for the Alor Gajah City Council and also to review a building rating system (called MyCREST) for the Construction Industry Development Board (CIDB).

She is currently a member of Editorial Boards for Alam Cipta Int'l Journal of Sustainable Tropical Design Research and Practice and the Int'l Journal of Built Environment and Sustainability. She is also an author and a national correspondent for FuturArc (The Voice of Green Architecture in Asia-Pacific) Magazine. She has been serving as a Board Member of Malaysia Green Building Confederation (MGBC) since 2014, Chairman of Higher Education and Research Committee.

1. Topic: Future city scenarios of Malaysia

- by Professor Ar Dr. Abdul Malek Abdul Rahman

Countries are experiencing frequent hot weather conditions due to global warming and aggravated by population increase while at the same time the rapid growth of advanced information, communication and technology (ICT). They are getting crowded at different rates of progress causing global warming that requires counter measures. Rapid growth in cutting-edge technologies has become the mainstream. Information Communication Technology improved multi-fold thereby hastening business decisions influence the rate of development everywhere in the world. Population increased due to improved health conditions and better hygiene. The economic development and population increase are fast trending the demand for physical development to cater for the economic activities become acute on land-use. Land can only increase by reclaiming the seashores. There are evidences that land is constricting due to sea level increase and by erosion of the beaches and river banks. Thus land-use for ASEAN countries is a long-term built environment future problem. This paper identifies common criteria for countries facing such challenges and proposes a conceptual solution to rethink the development policies of individual countries. The real challenge is to maintain indigenous culture and traditions as national identities are equally important. ASEAN countries face these problems at different rates because of the geographical nature being either peninsulas or islands namely Malaysia, Singapore, Indonesia and the Philippines. ASEAN countries are encouraged to identify their own existing trends that may influence the success or failure of preferred future scenario.

2. Topic: Thermal Performance Characteristics of Outdoor Spaces in the Tropics: Towards Mitigating the UHI Effects in Kuala Lumpur, Malaysia

- by Dr. Amirhosein Ghaffarianhoseini

The rapid urban expansion in East-Asian cities in recent years has radically increased the need for more liveable outdoor environments. However, in the tropics, due to the abundant solar radiation and the high levels of air temperature and relative humidity, design failures occur once the outdoor spaces are not designed considering the microclimatic conditions. Observing the substantial impacts of urban heat island (UHI) in urban areas with higher level of dense construction development, the thermal performance of urban areas is even more critical. This means that not responding to the microclimatic conditions of the tropics can lead to the creation of outdoor spaces with high level of thermal discomfort and low frequency of use. Using quantitative field study and ENVI-met simulation, this study explores the thermal characteristics of different outdoor spaces located in the UM campus with viewpoint to the hot and humid climate of Malaysia. As a result, guidelines to optimize the design of outdoor urban areas towards enhancing their thermal performance characteristics are proposed. Finally, it is concluded that establishing a consistent dialogue between architects, urban planners and UHI-related research experts is fundamentally vital for achieving greener urban areas.

3. Vancouver: Greenest City 2020

- by Ms. Andrea Reimer

In 2009, Vancouver established a goal of being the Greenest City on Earth by 2020. Over the past seven years, the City has made impressive strides in decreasing GHGs, waste and water consumption, while making big gains in low carbon transportation, green job growth and the number of people and businesses engaged in transforming Vancouver into a sustainable city.

Ms. Reimer will speak to some of the key ingredients to this successful initiative including the importance of a clear, long-term vision shared by all stakeholders, ambitious targets to back up that vision and the need to be able to demonstrate economic value for the city.

4. Topic: Rewarding Measurable Improvements for Better Buildings: Do The Standards Go Far Enough?

- by Dr. Anne F Kerr

Building Performance and Rating Tools are often used to determine the value or benefits of "building better" during the design and construction phase but the question to be addressed is : does this go far enough?

The premise is that the building outcomes is becoming a higher priority and especially in terms of well being and benefits in terms of space and surroundings, efficiencies and outputs. The presentation will address the issues of the use of rating tools, what tools are available and what they can do to assist in the delivery and use of "better buildings". It will also consider what steps need to be taken to feedback into the development or design process to recreate a sense of building better not just in terms of physical buildings but communities and places as a whole.

5. Topic: New Green Integrated Building Solutions

- by Dato' Chan Wah Kiang

The presentation focussed on an innovative breakthrough using Metal House Framing System with Concrete Wall (Wet Wall) in place of Dry Wall for a housing project in Malaysia in late 2014. This innovative system is well received and proven in Malaysia and it is taking the Industrialized Building Solution (IBS) to a new level.

An IBS house should be simple and fast to construct - components are easy to assemble and erect (almost like LEGO), work site is neat and clean with minimum debris, building materials are made from sustainable materials and most important, overall cost of construction affordable. AJIYA Green IBS is just that. This Green IBS consists of 8 series of house components from Metal House Framing (Wet Wall), Metal Door and Window Frames, Metal Structural Sections and Floor Decking, Metal Ceilings, Metal Trusses, Metal Roofing, Metal Louvers & Sunshades and Safety Glass allow a unit of house to be constructed in a go.

This paper describes the technical innovation, physical results and key learning experiences we have been through, and illustrate how the 8 series of the Green IBS products are used in making affordable, sustainable houses.

6. Low-E Glasses: Energy Savings, Comfort, Productivity and more

- by Charlene Smith

The benefits of low-e glass products on building energy savings is not a new concept. Energy modeling tools allow the design engineer or architect to specify window performance that optimizes the management of solar energy throughout the building. But there are other issues to consider besides the basic performance. How do the glass aesthetics enhance the exterior design? How comfortable are the inhabitants? Does the glass change the blue sky to a gray sky? In order to design a natural space, one that minimizes stress on the inhabitants, advanced glass products are required. This presentation will discuss glass parameters which affect not only energy savings, but also enhance the comfort and productivity of the inhabitants.

7. Paper: The Arts & Sciences of Sustainable Technologies

- by Ir. Chen Thiam Leong

Sustainable Technologies (SusTs) - the current green flavour, is set to remain so in the foreseeable future, fueled by erratic climate change. This presentation on "The Arts and Sciences of Sustainable Technologies" will examine the theory and practice of SusTs and remind us of the need to apply technologies that are truly sustainable to realise our green goals and not merely to fulfil KPI objectives. Meanwhile, the slowly but surely progression from conventional EeE to ExE practice will be explored.

8. Topic: Thermal Comfort and Energy Efficiency

- by CK Tang

The use of air-conditioning system for thermal comfort contributes to 50% to 70% of carbon emission in buildings here in the tropics. This need for thermal comfort is a leading contributor to carbon emissions in tropical buildings. In recent years, there have been significant changes made to the Ashrae Thermal Comfort 55 standard that many are still unaware of. A review of the latest changes in the thermal comfort standard is provided herewith, together with an understanding of tropical climatic conditions, behaviour of building materials and the various types of air-conditioning system will be presented. The combined understanding of these various issues working together offer opportunities to provide better thermal comfort for lower carbon emission.

9. Topic: Aspiring for zero net emission building – is it a myth'

- by Prof. Deo Prasad

It will cover the context on evidence that we can drive towards net zero emission buildings. How this is defined in terms of boundary issues, how this is measured and what examples exist that give us confidence on how far we can reach? Current tools are driving change and given the factors that influence markets how we can mainstream change.

10. Topic: Green Measures: Art of Green Performance Verification

- by Ir. Jack WL Chan

As more green buildings are constructed around the world, the need for performance verification on sustainable features is inevitable. Since most green buildings are designed with sustainability in mind, actual on site measurement are critical to ensure that the performance meets or exceed the intended criteria. This paper discusses the methodologies involved in measuring the performance of these features. Permanently installed devices and portable handheld equipment will be reviewed. Interpretation and analysis of acquired data for energy, air quality and noise will be addressed.

11. Topic: Long Term Goals and Targets for the Building Sector – How Data Assists in Such Formulations

- by Mr. Kevin Hor

The building sector in Malaysia has been partially neglected where long term targets and goals have yet to be formulated in tandem with regional peers. The building sector could benefit from definite long term goals to drive the market towards a level of efficiency desired to meet Malaysia commitments in the recently submitted INDC. Kevin Hor will propose some possible long term goals and targets for the Malaysian building sector substantiated with datasets for such proposals.

12. Topic: Basic Concept of Measurement and Verification (M&V) for Quantifying Energy Savings in Building

- by Nofri Yenita Dahlan

Energy Performance Contracting (EPC) was introduced by the Malaysian Government in January 2015 to promote energy efficiency in government buildings. This initiative allows government buildings to engage Energy Services Companies (ESCOs) to improve energy efficiency. The EPC is based on the financing concept that uses the cost savings from the reduced of energy consumption to repay the capital investment required for installing Energy Conservation Measures (ECMs). Under the EPC, the cost of the ECMs are borne by the ESCO and paid back by the owner out of the energy savings created in the facility. Since the payment by facility owner or remuneration of ESCOs is directly tied to the actual energy savings achieved, a proper Measurement and Verification (M&V) to quantify energy savings from ECMs should be properly conducted. There are several M&V protocols that are being used for determining energy savings. This presentation will highlight the theory and concept of M&V for quantifying energy savings as presented in the International Performance Measurement and Verification Protocol (IPMVP). Some practical examples to exhibit the concept of M&V to determine energy savings will be provided.

13. Topic: Health & Wellbeing in the Workplace

- by Simon Wild

We spend a third of our lives at work. Increasingly our work is sedentary in nature which is impacting both our health and productivity. Increasing our movement at work, fuelling our bodies with better nutrition and managing our energy will increase our health & productivity.

14. Building Commissioning as Delivery Process & Performance Evaluation, Collaboration with Institute of Higher Learning

- by Ir. Soong Peng Soon

Commissioning is a quality assurance process that ensure building systems are designed, installed and performing to the Owner's Project Requirements. Final certification of high performance building often mandates commissioning report from industry experts describing and verifying performance based metrics. The new definition of green building commissioning has benefited many high performance buildings but yet is still relatively new and unknown to many green building professionals. Research into establishing industrial or national commissioning standard is still very much in the early stage even in fore-runners of green building industry such as USA. Commissioning process cuts across the design, delivery and performance evaluation of green initiative that requires expertise in architectural, mechanical, electrical and any innovative technologies, so much so that commissioning is work of a team of experts rather than an individual. Verification process often requires expensive and sophisticated instruments that beyond reach of general professionals. However, collaboration with institute of higher learning that have the resources can help to overcome the bottleneck of such demanding task.

15. Cities we love and sustain"

- by Mr. Tai Lee Siang

In our effort to change the world to combat climate change, it is not clear that governmental efforts alone will work the magic. It is my belief that we must motivate the common people. This will be achievable if people love and cherish their cities. This presentation will explore how people can help sustain their cities through some simple mindset change.

16. Topic: Eco – systems and Immortality

- by Ar Dr. Tan Loke Mun

World population reached 7 billion people in 2011. We are now at an interesting cross road of civilization. History has no precedents to guide us as we have never been down this road before. What is tomorrow really like?

Population growth and technological advances will bring about constant change. Do they bring about real improvements or are they just stop-gap measures to maintain a crumbling eco-system that has been stretched to its limits … the options before humanity are basically to find immortality (or bliss), or to create a new conducive eco-system to reproduce oneself to preserve the chances for a better future.

This paper presents some design and planning ideas for an alternative tomorrow. It looks at some small beginnings in the Asian context and reflects on ideas of relevance, significance and greatness, missed opportunities, thoughts, plans and dreams for a better tomorrow.

17. Building a Green Community from Green Technologies Integration – Case Study: Chiang Mai World Green City

- by Dr. Worajit Setthapun

The Chiang Mai World Green City is a real living model community that integrates various green technologies to strive for the carbon neutral goal. The faculties, students, researchers and staff stayed in the individual homes at the Smart Community and worked at the Green City. The Green City aimed to achieve 5 sustainable cycles which are Energy, Food, Building, Economics and Environment. The buildings are made from natural materials and EPS foam which are conference buildings, offices, homes, a minimart and a restaurant. The 2 km roads are constructed from 2 million waste plastic bags. The power in the green city is completely from renewable energy such as PV (750 kW with AC/DC microgrid), biogas and biomass. The low carbon/organic vegetable farm is also powered by solar pumping and optimize water usage. Numerous green technologies are integrated together and evaluated in real-life usage for optimal efficiency.

18. Green Practices in MRT Construction

- by Ir. Yeoh Jit Shiong

Construction industry usually creates a lot of disturbance and inconvenience to the community. It also produces a lot of wastage in terms of construction materials. Wastage can be in the form of rebar waste, concrete waste, water or even electricity waste. By practicing good green initiatives, we can reduce wastage, construction cost and also minimize disturbance to the surrounding community. Not only that, it will also keep our earth sustainable by minimizing usage of raw materials. Implementing the right practices during construction will generate a better image for the construction industry in the eyes of the public.

19. Topic: Green Building Rating Tools in Malaysia: Market Effects & Comparison -

by Dr. Zalina Shari

During the last decade, there has been an increasing interest in environmental assessments of the built environment in Malaysia. As a result, there are several green building rating tools that have been developed or proposed for use in the local context. These tools include the Green Building Index (GBI), the Green Real Estate (GreenRE), the Penarafan Hijau JKR (pH JKR), and the Malaysian Carbon Reduction and Environmental Sustainability Tool (MyCREST). Is there a clear differentiation of the four rating tools? What can be the effect of coexisting local rating tools on the industry players? Will the coexistence of tools enhance green building practices or rather confuse the market? In answering these key questions, Dr. Zalina will describe and compare the strengths and characteristics of the four tools as well as explain a few foreign case studies where there are multiple systems operating in the same market.

DAY 1 - 4th MARCH 2016 (FRIDAY)				
8:00 - 8.45 am	**Breakfast & Registration**			
8.45 - 8.55 am	**Welcome Speech** by Organizing Chairman, Ir. Ng Yong Kong			
8.55 - 9.40 am	**Opening Remark & Keynote Address 1** by President, MGBC : Ar Sarly Adre Sarkum **Topic: Liveable Future - A Paradigm Shift**			
9.40 - 10.25 am	**Keynote Address 2**: Tai Lee Siang, Vice President World Green Building Council **Topic: Cities We Love and Sustain**			
10.25 - 10.50 am	*Tea Break*			
10.50 - 11.20 am	**Keynote Address 3**: Datuk Hj. Mohd Najib Bin Hj. Mohd, Executive Director: Planning for DBKL **Topic: Kuala Lumpur Road Map for Growth Distribution**			
11.20 - 12.00 pm	**Keynote Address 4**: Ar Chan Seong Aun, GBIAP Chairman **Topic: Contribution of GBI Towards Sustainable Malaysia & Future Directions**			
SESSION 1				
12.00 - 12.30 pm	**Dato' Chan Wah Kiang, Group MD Ajiya Bhd** **Topic: New Green Integrated Building Solutions**			
12.30 - 12.45 pm	**PAM-MGBC-AJIYA Design Competition Presentation** by Ar Von Kok Leong			
12.45 - 2.30 pm	*Lunch & Video Presentation of Sponsors*			
SESSION 2				
2.30 - 3.00 pm	**PLENARY THEATRE** **Dr. Worajit Setthapun (Sai)** Building a Green Community from Green Technologies Integration – Case Study: Chiang Mai World Green City		**ROOM 305** **Dr. Richard SH Seow** Topic: How Paint Technology Evolve & Contribute to the Wellness of Living	**ROOM 306** **Ashish Rakheja** Topic 1: Façade Odyssey: Importance of Facades in Performance Building Design
SESSION 3				
3.00 - 3.30 pm	**Dato Paduka Ar Idris, Brunei GBC** Topic : Towards Achieving Our Vision For Better Liveable City		**Ir. Chen Thiam Leong** Topic 1: The Arts & Science of Sustainable Technologies	**Ir. Ana Miraa Mohd Yusof** Topic: Gross Pollutant Traps for Cleaner Water Ways
SESSION 4				
3.30 - 4.00 pm	**Professer Deo Prasad** Topic: Aspiring for Zero Net Emission Building		**Ms. Melissa Ng** Topic: Energy Saving Thermal Insulation Wall	**Ashish Rakheja** Topic 2 : Importance of Microclimate in High Performance Building Design
4.00 - 4.30 pm	*Tea Break*			
SESSION 5				
4.30 - 5.15 pm	**Sheetal Rakheja** Topic: An Architect's Perspective on Designing Net Zero Energy Buildings	4.30pm - 5.00pm	**Ar Von Kok Leong** To Be Advised	**Jack Chan Weng Loon** Topic: Green Measures: Art of Green Performance Verification
SESSION 6				
5.15 - 6.00 pm	**Ashish Rakheja** Topic 3: An Engineer's Perspective on Designing Zero Energy Buildings	5.00pm - 5.30pm	**Gregers Reimann** Topic 1: Biophilic and Daylit Building Design Solutions	**Dr. Nofri Yenita Dahlan** Topic: Basic Concept of Measurement & Verification (M & V) for Quantifying Energy Savings in Buildings
7.30 - 10.30 pm	**Gala Dinner in KLCC in Celebration of GBI 150 Million Square Foot** - Attendance is by invitation only			

DAY 2 - 5th MARCH 2016 (SATURDAY)			
9.00 - 9.45 am	**Keynote Address 5** - Ir. Ahmad Hadri, CEO of Greentech Malaysia		
9.45 - 10.30 am	**Keynote Address 6** - Mr. Simon Wild, Sustainability Director at Lendlease **Topic: Health & Wellbeing in the Workplace**		
10.30 - 11.00 am	**Keynote Address 7** - Ms. Andrea Reimer, Deputy Mayor, City of Vancouver **Topic: Vancouver: Greenest City 2020**		
11.00 - 11.30 am	*Tea Break*		
SESSION 7			
	PLENARY THEATRE	ROOM 305	ROOM 306
11.30 - 12.00 pm	**Prof. Emeritus Dato' Ar Dr. Elias** Topic : Living in Circular Principles	**Ar Dr. Tan Loke Mun** Topic: Eco – systems and Immortality	**Ir. Soong Peng Soon** Topic: Building Commissioning as Delivery Process & Performance Evaluation, Collaboration with Institute of Higher Learning
SESSION 8			
12.00 - 12:30 pm	**Dr. Anne F Kerr** Topic: Rewarding Improvements for Better Buildings: Do the Standards Go Far Enough?	**Sun Hansong** Topic: Increased Well-Being for Building Occupants with WELL Standard	**Ir. Tang Chee Khoay** Topic: Thermal Comfort and Energy Efficiency
12.30 - 1.30 pm	*Lunch*		
SESSION 9			
1.30 - 2.00 pm	**Dr. Hoai Anh Tran** Topic: Planning for Inclusive Urban Spaces	**Ir. Dr. Saravanan Mariappan** Way Forward for Construction Industry and Solid Waste Management with Active Participation in Carbon Footprint Reduction for Sustainable Development	**Mr. Anthony Wong** Topic: Sustainability and Green for Better Bottom Line and Business
SESSION 10			
2.00 - 2.30 pm	**Dr. Amirhosein Ghaffarianhoseini** Topic: Thermal Performance Characteristics of Outdoor Spaces in the Tropics: Towards Mitigating the UHI Effects in Kuala Lumpur, Malaysia	**Ir. Chen Thiam Leong** Topic 2: Green Tools Galore (Staying Ahead)	**Ir. Ahmad Izdihar** Topic: Green Interiors
SESSION 11			
2.30 - 3.00 pm	**Surendo , IGBC** Topic: Building Green Community	**Dr. Yeow Yoon Foo, CIOB** Topic: "Buildability" & "Constructability" For Sustainability – With Reference To The CIOB's Carbon Action Plan 2050	**Ir. Kevin Hor Chun Wah** Topic: Long Term Goals and Targets for the Building Sector - How Data Assists in Such Formulations
3.00 - 3.30 pm	*Tea Break*		
SESSION 12			
3.30 - 4.00 pm	**Ms. Charlene Smith** Topic: Low-E Glasses - Energy Savings, Comfort, Productivity & more	**Ms. Pamela Phuah** Topic : Innovative Solutions for a Better Tomorrow	**Dr. Zalina Shari** Topic: Green Building Rating Tools in Malaysia : Market Effects & Comparison
SESSION 13			
4.00 - 4.30 pm	**Jorge Chapa** Topic: Best Places For Everyone	**Ir. Lum Youk Lee** Topic: Green Indulgence - Paradox of doing Green Shopping Mall	**Ir. Yeoh Jit Shiong** Topic: Green Practices in MRT Construction
SESSION 14			
4.30 - 5.00 pm	**Professor Ar Dr. Abdul Malek** Topic: Future Cities Scenario of Malaysia	**Gregers Reimann** The Fattest Nation in Asia and How The Built Environment Can Help	**Dr. Chee Chung Yee** Topic: Rainwater - An Alternative Water Source for our Growing Cities

GALA DINNER & SPONSOR

The Gala Dinner on 4th March will be one of the highlights of this international conference. Leaders from Green Building Councils, Heads of NGOs, the government officials, property developers, architects, engineers, consultants, Green Practitioners and contractors, end users will gather and celebrate the GBI 150 Million Square Feet. Special recognition will also be presented. (By invitation only)

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Kuala Lumpur Convention Centre (KLCC), Kuala Lumpur
Closing Date : 24 February 2016, Wednesday

MGBC

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RM 960 (inclusive GST)	Non-Member / Public

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			Grand Total - RM	

Please reply or confirm your attendance by **24th February 2016**. Registration is on a first-come first-serve basis. Only limited seats are available. Registration fee must be submitted together with the registration form.

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Ms. Zulieya
Contact No.: Tel (03-2282 8232) & Fax (03-2284 8232)
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