



INTERNATIONAL CONFERENCE ON LOW CARBON ASIA
Sustainable Transitions towards a Resilient & Carbon-Neutral Future

11th International Conference on Low Carbon Asia ICLCA 2025 Programme Book

Conference
Theme

**Innovative Pathways to
Scalable Low-Carbon Solutions
for Sustainable Development**



22 - 25 October 2025



Hikmah Exchange Event Centre (H.E.E.C)

Jalan Haji Taha, 93400 Kuching, Sarawak



+6082-583825
+6082-583827

Institute of Sustainable and Renewable Energy



www.iclcaconf.com



Kuching, Sarawak, MALAYSIA





JOHOR
BAHRU
2015



KUALA
LUMPUR
2016



BANGKOK
2017



JOHOR
BAHRU
2018



HO CHI
MINH
2019



SHANGHAI
2020



JOHOR
BAHRU
2021



MANILA
2022



OKAYAMA
2023



DALIAN
2024



KEY TOPICS

01 LOW-CARBON SOLUTIONS



Advancements in Energy Efficiency & Renewable Energy



Transitioning to Low-Carbon Energy Systems



Low-Carbon Urban Planning & Smart Cities



Sustainable Transport & Mobility Innovation



Carbon Markets, Climate Finance & Policy Development



Governance, Policy & Business Models for Net Zero

02 CIRCULAR ECONOMY & SUSTAINABLE PRODUCTION



Waste Management & Circular Economy Strategies



Material Innovation & Sustainable Product Design



Greener Manufacturing & Industrial Decarbonisation



Resource Efficiency in Supply Chains & Business Operations



Consumer Behaviour, Green Marketing & Sustainable Lifestyles

03 BIODIVERSITY & NATURE-BASED SOLUTIONS



Biodiversity Conservation & Ecosystem Services



Ecosystem Restoration & Climate Adaptation Strategies



Nature-Based Climate Mitigation (e.g., Blue Carbon, Reforestation)



Urban Nature-Based Solutions & Green Infrastructure



Sustainable Agriculture, Land Use & Indigenous Knowledge



Community Engagement, Education & Social Transformation

04 CLIMATE JUSTICE & INCLUSIVE TRANSITION



Climate Justice, Equity & Just Transition Strategies



Indigenous & Local Knowledge in Climate Solutions



Social Innovation & Community-Led Sustainability Projects



Public Awareness, Behavioural Change & Education



Climate Risks, Resilience & Adaptation in Vulnerable Communities

11TH ICLCA ORGANISATION CHART

HONORARY ADVISOR

YBhg. Datu Haji Abdullah Bin Julaihi
Permanent Secretary
Ministry of Natural Resources and Urban Development

STEERING COMMITTEE

Prof. Dr. Henrik Lund
Prof. Dr. Shuzo Nishioka
Prof. Dr. Peter Varbanov
Dr. Junichi Fujino
Prof. Dr. Tomoko Ishikawa
Prof. Dr. Takeshi Fujiwara
Prof. Dr. Pan Xiongfeng
Prof. Dr. Raymond Tan
Assoc. Prof. Dr. Le Thi Kim Phung

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Prof. Ir. Dr. Siti Noor Linda bt. Taib

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Nurul Afiqah Khairunnisa binti Azman
Fatin Shahera binti Latif
Shiela Zaemar Binti Zamani
Hellie Anak Gekie

KEYNOTE SPEAKER



**The Right Honourable
Datuk Patinggi Tan Sri (Dr.) Abang Haji Abdul Rahman Zohari
bin Tun Datuk Abang Haji Openg**

Premier of Sarawak
23 October 2025

Venue: Level 3. Main Ballroom

GUEST OF HONOUR



**The Honourable Datuk Amar Haji Awang Tengah
bin Ali Hasan**

**Deputy Premier,
Second Minister For Natural Resources And Urban
Development,
Minister for International Trade, Industry And Investment
of Sarawak**
24 October 2025

Venue: Level 2, Pantai Damai. Tupong and Samariang

HONORARY SPEAKERS



**The Honourable
Datuk Haji Len Talif
Salleh**

**Deputy Minister for
Urban Planning, Land
Administration And Environment**
23 October 2025

Venue: Level 3. Main Ballroom



**The Honourable
Datuk Dr Haji Hazland bin
Abang Hipni**

**Deputy Minister for
Energy and
Environmental Sustainability**
23 October 2025

Venue: Level 3. Main Ballroom

FORUM 1

22 OCTOBER 2025

Venue: Level 2, Pantai Damai. Tupong and Samariang

Connecting Changemakers for a Low-Carbon World



**YBhg. Dato' Seri
Maimunah Mohd Sharif
Mayor of
Kuala Lumpur**



**YBhg. Dato Haji Hilmy
bin Haji Othman
Mayor of
Kuching North**



**YBhg. Dato' Ir. Rajendran
A/L P Anthony
Mayor of
Pulau Pinang**



**YBhg. Dato' Ir. Prof.
Dr. Norlida Buniyamin
Chairman
Standing Technical
Committee on
Engineering for
Innovative
Technologies**



Moderator

**Ir. Dr. Angelia Liew San Chuin
Special Administrative Officer and
Advisor (Climate Change, Energy and
Sustainable Development)**

FORUM 2

22 October 2025

Venue: Level 2, Pantai Damai. Tupong and Samariang

Making a Difference: How You Are a Part of a Low-Carbon Future



Prof. TPr. Dr. Ho Chin Siong
Director UTM Low Carbon Asia
MALAYSIA



Assoc. Prof. Dr. Maria Figueroa
Sustainability Transitions
Management Copenhagen Business
School
DENMARK



Prof. Dr. SeungJae Lee
Transport Planning
University of Seoul,
REPUBLIC OF KOREA



Moderator

TPr Chau Loon Wai
Senior Lecturer of Urban Design
Universiti Teknologi Malaysia
MALAYSIA

PLENARY LECTURES

23 OCTOBER 2025

Venue: Level 3, Main Ballroom



***ENERGY SOLUTIONS FOR A CLIMATE NEUTRAL SOCIETY :
CASE STUDY OF DENMARK***

Prof. Dr. Henrik Lund

Aalborg University
Denmark



CARBON NEUTRAL FOR SUSTAINABLE DEVELOPMENT GOALS

Prof. Dr. Emeritus Toshiharu Ikaga

Keio University
Japan

24 OCTOBER 2025

Venue: Level 2, Pantai Damai and Tupong



***POPULATION AGING AND SUB-REPLACEMENT FERTILITY ON
CARBON EFFICIENCY***

Prof. Dr. Pan Xiongfeng

Dalian University of Technology
China



***RESPONDING TO CLIMATE CHANGE:
AN INTEGRATED RESOURCE MANAGEMENT***

Prof. Dr. Geng Yong

Shanghai Jiao Tong University
China

DAY 1

22 OCTOBER 2025

7.30 AM	ICLCA Registration <i>(Level G)</i>
	<i>Level 2, Pantai Damai. Tupong and Samariang</i>
8.30 AM	Forum 1 0830 - 1000 Connecting Changemakers for a Low-Carbon World
	Forum 2 1030- 1130 Making a Difference: How You Are a Part of a Low-Carbon Future
12.30 PM	Lunch <i>(Level 2, Foyer) / Registration until 5.00 PM (Level G)</i>

DAY 2

23 OCTOBER 2025

7.30 AM	Registration <i>Level G</i>
	<i>Level 3, Main Ballroom</i>
8.30 AM	Honorary Address 1 <i>The Honourable Datuk Haji Len Talif Salleh</i> <i>Deputy Minister for Urban Planning, Land Administration and Environment</i>
9.15 AM	Honorary Address 2 <i>The Honourable Datuk Dr. Haji Hazland bin Abang Hipni</i> <i>Deputy Minister for Energy and Environmental Sustainability</i>
9.45 AM	Tea/Coffee Break <i>Level 3, Main Ballroom</i>
	<i>Level 3, Main Ballroom</i>
10.00 AM	Plenary Lecture 1 Prof. Dr. Henrik Lund Aalborg University, Denmark
	Plenary Lecture 2 Prof. Dr. Emeritus Toshiharu Ikaga Keio University, Japan
11.00 AM	Parallel Session 1 <i>Pantai Damai, Level 2</i>
	Parallel Session 2 <i>Tupong, Level 2</i>
	Parallel Session 3 <i>Samariang, Level 2</i>
	Parallel Session 4 <i>Petra Jaya, Level 2</i>
12.30 PM	Lunch <i>Level 3, Main Ballroom</i>
1.330 PM	Parallel Session 5 <i>Pantai Damai, Level 2</i>
	Parallel Session 6 <i>Tupong, Level 2</i>
	Parallel Session 7 <i>Samariang, Level 2</i>
	Parallel Session 8 <i>Petra Jaya, Level 2</i>
4.15 PM	Tea/Coffee break <i>Level 3, Main Ballroom</i>
4.30 PM	Opening Ceremony <i>Level 3, Main Ballroom</i> The Right Honourable Datuk Patinggi Tan Sri (Dr.) Abang Haji Abdul Rahman Zohari bin Tun Datuk Abang Haji Openg Premier of Sarawak

ICLCA 2025 PROGRAMME

DAY 3

24 OCTOBER 2025

9.00 AM	Level 2, Pantai Damai and Tupong	
	Plenary Speaker 3	Prof. Dr. Pan Xiongfeng Dalian University of Technology, China
10.00 AM	Plenary Speaker 4	Prof. Dr. Geng Yong Shanghai Jiao Tong University, China
	Tea/Coffee Break Level 2, Foyer	
10.15 AM	Parallel Session 9	Pantai Damai, Level 2
	Parallel Session 10	Tupong, Level 2
	Parallel Session 11	Samariang, Level 2
	Parallel Session 12	Petra Jaya, Level 2
12.30 PM	Lunch Level 2, Foyer	
1.30 PM	Parallel Session 13	Pantai Damai, Level 2
	Parallel Session 14	Tupong, Level 2
	Parallel Session 15	Samariang, Level 2
	Parallel Session 16	Petra Jaya, Level 2
3.15 PM	Tea/Coffee break Level 2, Foyer	
4.00 PM	Level 2, Pantai Damai and Tupong	
	Closing Ceremony The Honourable Datuk Amar Haji Awang Tengah bin Ali Hasan Deputy Premier Second Minister For Natural Resources and Urban Development, Minister for International Trade, Industry and Investment of Sarawak • Presentation of Best Presenter Awards • Announcement of ICLCA 2026 Host	

DAY 4 (OPTIONAL)

25 OCTOBER 2025

07:00 AM	Post-Conference Tour Pick-up: Grand Margherita Hotel (For reservation and payment, please refer to Page 11)
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PARALLEL SESSIONS SCHEDULE

Parallel Session	Parallel No.	Start Time	End Time	Venue
23 October 2025 Morning	Parallel Session 1	11.00 am	12.45 pm	Pantai Damai, Level 2
	Parallel Session 2	11.00 am	12.45 pm	Tupong, Level 2
	Parallel Session 3	11.00 am	12.45 pm	Samariang, Level 2
	Parallel Session 4	11.00 am	12.45 pm	Petra Jaya, Level 2
23 October 2025 Afternoon	Parallel Session 5	1.30 pm	4.15 pm	Pantai Damai, Level 2
	Parallel Session 6	1.30 pm	4.15 pm	Tupong, Level 2
	Parallel Session 7	1.30 pm	4.15 pm	Samariang, Level 2
	Parallel Session 8	1.30 pm	4.15 pm	Petra Jaya, Level 2
24 October 2025 Morning	Parallel Session 9	10.15 am	12.30 pm	Pantai Damai, Level 2
	Parallel Session 10	10.15 am	12.30 pm	Tupong, Level 2
	Parallel Session 11	10.15 am	12.30 pm	Samariang, Level 2
	Parallel Session 12	10.15 am	12.30 pm	Petra Jaya, Level 2
24 October 2025 Afternoon	Parallel Session 13	1.30 pm	3.15 pm	Pantai Damai, Level 2
	Parallel Session 14	1.30 pm	3.15 pm	Tupong, Level 2
	Parallel Session 15	1.30 pm	3.15 pm	Samariang, Level 2
	Parallel Session 16	1.30 pm	3.15 pm	Petra Jaya, Level 2

SCAN ME



POST-CONFERENCE TOUR

BEYOND THE CONFERENCE: INTO NATURE

Sat, 25 Oct 2025 | 7.30AM - 3.30PM



SEMENGGOH WILDLIFE CENTRE

SARAWAK BIODIVERSITY CENTRE

PENAMBANG

HERBAL GARDEN

FAMILY PARK HERBAL & BOTANICAL GARDEN

INCLUDED



Guide



Transport



Pick-Up: Grand Margherita Hotel



Meals



Sightseeing

PAYMENT METHOD



BANK DETAILS:

ACCOUNT HOLDER : UNIMAS EDU SDN BHD
ACCOUNT NUMBER : 5612 3960 8898
SWIFT CODE : MBISMYKL
BANK ADDRESS:
NO.65 67, LOT 3179-3181, BLOCK 10,
JALAN LAKSAMANA CHENG HO
93200 KUCHING, SARAWAK.

ONLINE BANK TRANSFER (IBG TRANSFER)
& TELEGRAPHIC TRANSFER (TT)
(OVERSEA WIRE TRANSACTION)



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Customer service: (1300) 96 7722 or (082) 22 45 191

(Sponsored by Sarawak Eco-Tourism)



Bill code: 26575

Ref. 1: Company Name

Ref. 2: Sponsorship Package (e.g. GOLD)

SCAN



CONTACTS

Email: Ir. Dr Kasumawati kasumawati@unimas.my
Official Website: <https://iclcaconf.com/>

www.iclcaconf.com

General Inquiries: iclca2025@unimas.my
Technical & Paper Submission: iclcatech@gmail.com

BOOK NOW

MYR 88/ person (USD 20)

Onsite Registration - Cash Payments
Accepted, First-Come, First-Served Basis

SCAN ME



TO JOIN THE
TOUR GROUP

SCAN ME



FOR DETAILED
TENTATIVE

CONFERENCE WIFI



Wi-Fi Username
Hikmah_Guest

Wifi Password
082252088

PARKING RATE



Basement Parking
RM 3 / day

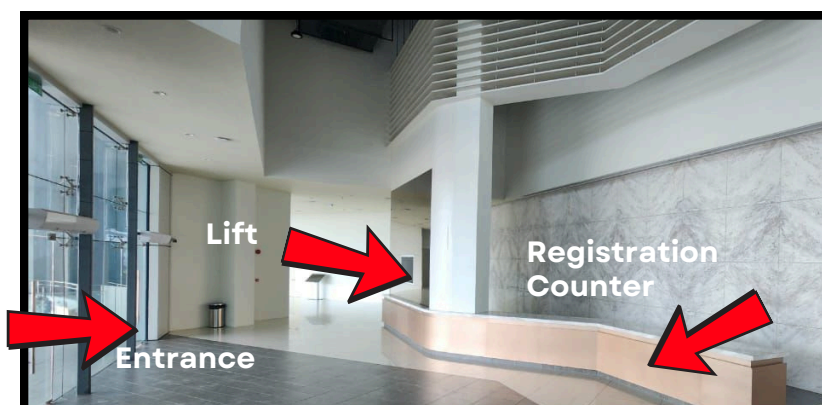
**Opposite
Parking
Free**

Hikmah

Exchange

REGISTRATION COUNTER

Ground Floor, Hikmah Exchange Events Centre



AVAILABLE FACILITIES AT HIKMAH EXCHANGE



Surau (2nd Floor)

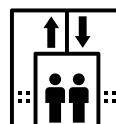


Toilets

- Ground Floor
- 2nd Floor
- 3rd Floor



- Basement parking
- Outdoor parking

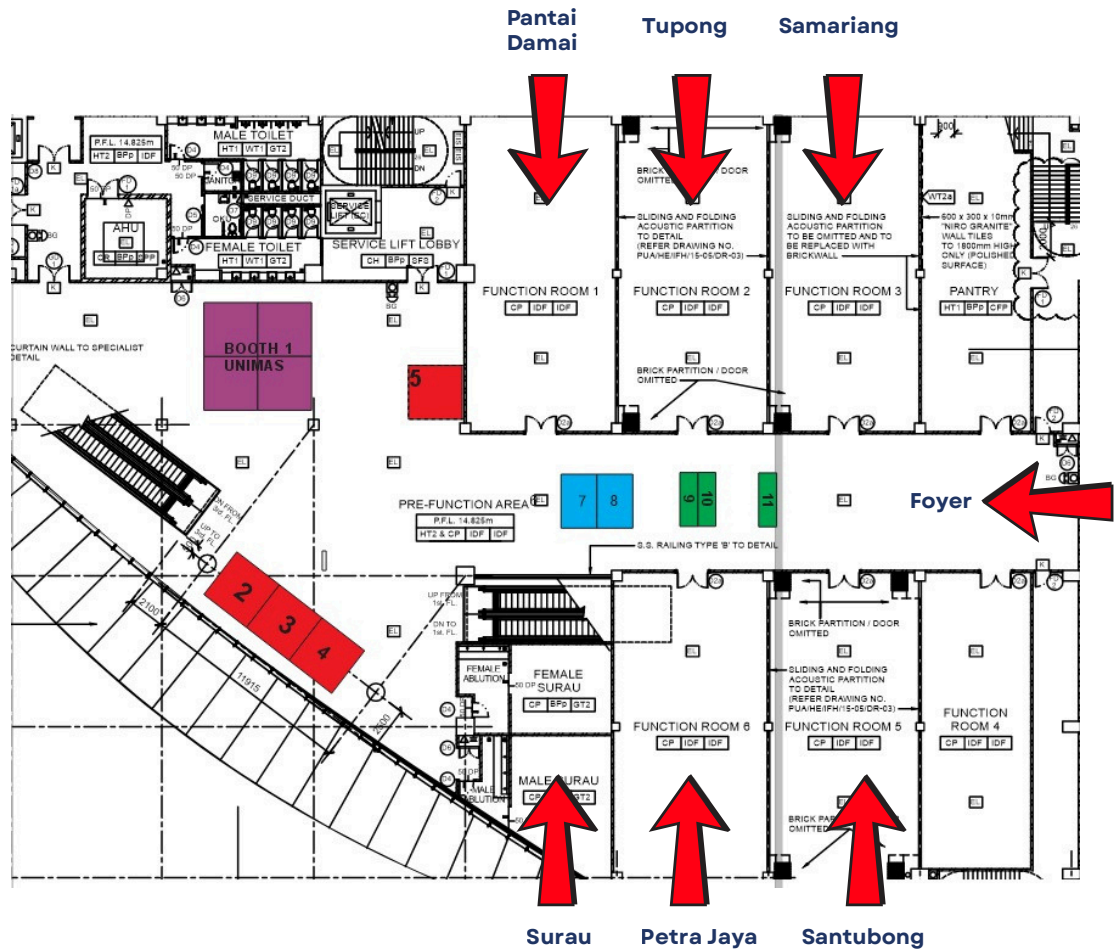


Lift / Elevator

- Ground Floor
- 2nd Floor
- 3rd Floor

ROOMS AND BOOTHS LOCATION

LEVEL 2



11TH ICLCA ORGANISING COMMITTEES

Finance / Sponsorship

Ir. Dr. Kasumawati bt. Lias
Assoc. Prof. Dr. Zarina binti Ab Muis
Ts. Shirley anak Rufus
Nurul Izzati Hashim
Nazreen bt. Junaidi
Ir. Dr. Norzalina Bateni
Nur Alia Athirah binti Hj. Mohtadzar

Logistics

Dr. Mohd Farid bin Atan
Dr. Ahmad Syafiq bin Ahmad Nasir
Ts. Dr. Ling Hoh Teck
Assoc. Prof. Dr. Dayang Norulfairuz Abg_Zaidel
Abg Asmadi bin Abg Shokeran
Indera bin Narudin
Othman bin Jum'at
Nursuzila bt. Daud
Petranilla anak John Chundi
Mohamad Nasir bin Dan
Nadzirah bt. Jausus
Andrica Claudia anak Henry
Mohamad Afiq bin Mohd Asrul
Nurul Shamimi bt. Roslan
Jacqueline Jackie Kennedy
Taharah Binti Edin

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Dr. Yonis M. Yonis Buswig
Assoc. Prof. Dr. Kuryati bt. Kipli
Assoc. Prof. Ts. Dr. Rohana bt. Sapawi
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Ir. Ts. Dr. Wong Keng Yinn

Partnership / Publicity

Dr. Ernisa binti Marzuki
TPr Chau Loon Wai

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Dabif anak Jack Shaw
Alhadi bin Bujang
Harry John Kuling

Protocols

Helmi bin Sumilan
Dr. Mark Kasa

Post-Conference Programme

Mohd Hafizan bin Hashim
Dr Ernisa binti Marzuki

Registration

Petranilla anak John
Dr. Lim Li Yee

Publication

Assoc. Prof. Ir. Dr. Lim Jeng Shiun

Special Tasks

Dr. Ernisa binti Marzuki

International Scientific Committee			
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ENVIRONMENTAL SUSTAINABILITY
SARAWAK



SPONSORS

Special



Platinum



Gold



Silver



Bronze

