

Organised by:



IEM

The Institution of Engineers, Malaysia
Miri Branch



Curtin University

Malaysia

CURTIN HIGHWAY INFRASTRUCTURE
RESEARCH AND INNOVATION HUB (CHIRI)

Challenges and Opportunities of Infrastructure Development in Borneo - Online Symposium (10 - 11 September 2021)

Join our two-days webinar to study, learn and understand the challenges and opportunities of infrastructure development in Borneo. This event will provide a platform for public and private sectors, industry practitioners, and academia to share and discuss their ideas, knowledge and experiences on the current development of infrastructure in Borneo. Covid 19 accelerated the development of the digital economy and changed our way of doing business into a new dimension. We believe that challenges are the seeds of opportunities. The topics will cover how advanced technology, digital economy, carbon reduction, and renewable energy impact infrastructure development.

Speakers



**YB Dato' Sri Haji
Fadillah bin Haji
Yusof**
Senior Minister of
Works (Malaysia)



**YB Datuk
Lee Kim Shin**
Minister of
Transport
(Sarawak)



**YBhg. Datu Haji
Ismawi bin Haji
Ismuni**
Chief Executive
Officer RECODA



Ir. Lau Hieng Ung
Director of
Sewerage Services
Department
Sarawak



Mr. Ting Ching Zung
Executive Vice
President of Strategy
& Corporate
Development of
Sarawak Energy



Ir. Tan Kok Jyh
Director of PY
Konsep
Perunding
Sdn. Bhd.
(Sabah)



**Ir. Dr. Achmad
Wicaksono**
Assoc. Professor in
Transportation
Engineering,
Universitas Brawijaya,
Malang, Indonesia



**Ts. Andy Tiong
Meng Jun**
Senior Professional
Services Manager,
PCSS Consultancy

Registration Fees

IEM member = RM 150; Non-IEM member = RM200
Student = RM 50

Registration link

<https://forms.gle/9hHUMC7ioNDR2g959>



Payment Mode

Payment to be made by Telegraphic Transfer, Bank Draft & Sarawak Pay to:

Account Name : The Institution Of Engineers Malaysia (Miri)
Account No : 0192011005790
Swift code : ARBKMYKL
Bank Name : AmBank(M)Berhad
Country : Malaysia

Note: Please email or WhatsApp a copy of proof of payment to:

Ms. Shirley Liew (HP: +6012-8093718; Email: iem.miri@gmail.com)

Claimable CPD hours



Speakers (Day 1)



YB Dato' Sri Haji Fadillah bin Haji Yusof Senior Minister of Works (Malaysia)

Dato' Sri Fadillah Yusof graduated from University of Malaya with LLB (Hons) in 1986. Upon graduating, he went into legal practice (both Sivil and Syariah) and subsequently became a partner of Abdul Rahim, Razak, Tready, Fadillah & Co. Advocates. Prior to his involvement in politics, he was also actively involved in non-governmental organizations (NGOs). He started his political career in Parti Pesaka Bumiputera Bersatu (PBB) as Chief Information Bureau in Tupong Division and then promoted to Tupong Youth Movement Chief, which eventually witnessed his elevation to PBB Youth Chief in November 2007. His foray into politics saw him elected as a Member of Parliament in 2004 where he subsequently held various positions both in the public and private sectors. On 19th March 2008, Dato' Sri Fadillah was elevated to the post of Deputy Minister of Science, Technology and Innovation (MOSTI). He is currently the Senior Minister of Works, where he is also responsible in leading the Infrastructure cluster. He is also currently the Parti Pesaka Bumiputera Bersatu (PBB) Senior Vice-President and the Gabungan Parti Sarawak (GPS) Chief Whip. In recognition of his contributions to the state, he was conferred the titles of Ahli Bintang Sarawak (ABS) and Darjah Panglima Gemilang Bintang Kenyalang (PGBK) in 2003 and 2010 respectively by the Yang di-Pertua Negeri of Sarawak. In 2014, he was conferred the titles of Darjah Gemilang Seri Melaka (DGSM) by the Yang di-Pertua Negeri of Melaka and Sri Sultan Ahmad Shah (SSAP) by HRH the Sultan of Pahang.



YB Datuk Lee Kim Shin Minister of Transport (Sarawak)

YB Datuk Lee Kim Shin has a Doctor of Letters, Honaris Causa from Curtin University of Technology, Perth, Western Australia and a Bachelor of Social Science with Honours, from Universiti Sains Malaysia. YB Datuk Lee is the State Assemblymen for Senadin (N.57/N.65/N.75) since 1996. He has been appointed as Minister for Transport Sarawak on 22 August 2019. Prior to this, he was the Assistant Minister for Tourism, Arts and Culture (2017-2019), Assistant Minister for Land & Air Transportation and Safety & Assistant Minister for Tourism, Sarawak (2016-2017), Assistant Minister for Communications & Assistant Minister for Sports (2009-2016), and Assistant Minister for Infrastructure Development & Communications (2004-2009). YB Datuk Lee is actively involved as Advisor of educational, social, welfare, youth, religious, sports, recreational, social and welfare associations. He was one of the key persons in setting up the Miri Red Crescent Kidney Dialysis Centre in 1995 and a new, modern and bigger kidney dialysis centre in Permyjaya is going to operate soon too. He is also one of the founding members in the setting up of Curtin University of Technology Sarawak in Miri and has been serving as the Chairman of the Management Board, University Council Member, Committee Member, Curtin Sarawak Research Institute and Company Director since their establishment in 1998 to date. In other educational/health insitutions, he has held the following positions: 1) Chairman, Advisory Committee, Miri Community College which is under the Ministry Of Higher Education since its establishment in 2009 to 2018; 2) Chairman, Advisory Panel, Industrial Training Institute, Miri from 2006 to 2018; 3) Chairman, Advisory Panel, National Youth Skill Training Institute, from 2003 to 2018; 4) Chairman, Advisory Panel, Advanced Technology Training Centre, Bintulu from 2011 to 2018; 5) Chairman, Advisory Panel, Tudan Polyclinic, Ministry of Health from 2009 to 2018.

Speakers (Day 1)



YBhg. Datu Haji Ismawi bin Haji Ismuni
Chief Executive Office of RECODA

YBhg. Datu Haji Ismawi has a Master of Business Administration, from Aston University, Birmingham, United Kingdom, and a Bachelor of Science, from Universiti Kebangsaan Malaysia. He has been appointed as RECODA CEO on 11 January 2018. Before joined RECODA, YBhg Datu Ismawi was previously attached to Chief Minister's Department (Sarawak) as a Deputy State Secretary (Socio-economic Transformation). He has 38 years of working experience and extensive experience in the state government sector especially in-state economic planning.



Ir. Lau Hieng Ung
Director of Sewerage Services Department Sarawak

Ir. Lau Hieng Ung graduated from Auckland University, New Zealand with a bachelor degree in civil engineering in 1985. He started his engineering career with the Public Works Department upon his graduation. In 1989, he joined Kuching North City Commission. In 2006, he was transferred to the Ministry of Urban Development and Tourism Sarawak to start the sewerage infrastructure development for the State. He was subsequently appointed as the Director of the newly formed Sewerage Services Department in 2007. During his service as the Director, he has further his training and obtained a postgraduate certificate in water and waste engineering in 2012 from Loughborough University, United Kingdom. He has also attended the Senior Executive Fellowship course in the Kennedy School of Government of Harvard University in 2017.



Mr. Ting Ching Zung
Executive Vice President of Strategy & Corporate Development of Sarawak Energy

Mr. Ting Ching Zung is the Executive Vice President of Strategy and Corporate Development of Sarawak Energy, a position he was appointed to in May 2015. In his current position, he leads the development strategies for sustainable business growth and heads the implementation of strategic plans to achieve the Group's overall goals. Mr. Ting is also at the forefront of supporting Sarawak's Green Energy Agenda. He was instrumental in the establishment of Sarawak integrated Hydrogen Production Plant and Refuelling Station in 2019, which is the first facility of its kind in Southeast Asia, as well as the roll out of our first Renewable Energy Certificate (REC) in Malaysia in the same year. He has extensive experience in major corporate restructuring and rationalisation exercises, financial planning and analysis, and profit-and-loss leadership. Before joining Sarawak Energy, he was the Chief Executive Officer of Trienekens (Sarawak) Sdn. Bhd., a waste management company which handles scheduled waste throughout East Malaysia and municipal waste in Sarawak's major cities. Prior to that, he held various leadership positions in the finance and accountancy sector in the East Asia region. Mr Ting is a Chartered Accountant of Chartered Accountants Australia and New Zealand and holds a Bachelor's Degree in Accountancy from the University of Otago, New Zealand.

Speakers (Day 1)



Ir. Tan Kok Jyh

Director of PY Konsep Perunding Sdn. Bhd. (Sabah)

Ir. Tan Kok Jyh is currently the director of PY Konsep Perunding Sdn. Bhd. He has obtained his Msc in River, Estuary and Coastal engineering from Imperial College London, England and BSc (Hon) in Civil Engineering from Oklahoma State University. He is Immediate Past President of Sabah Engineers Association, the immediate past Chairman of ACEM (Sabah Branch) as well as Hon. Secretary of IEM (Sabah Branch). He has worked in overseas such as England, Australia, and Brunei. Ir. Tan Kok Jyh has also involved in the planning, design and implementation of Pan Borneo Highway in Sabah and the Sepangar Port Extension, Kota Kinabalu also as well as planning, design and supervision of the SOGIP water supply project. He has also presented several papers locally and internationally in the field of water resource management and infrastructural development.

Speakers (Day 2)



Ir. Dr. Achmad Wicaksono

Assoc. Professor in Civil Engineering, Universitas Brawijaya, Malang, Indonesia

Dr. Achmad Wicaksono obtained his doctoral degree from University of Tokyo, Japan in 1998. He is Academician of Universitas Brawijaya, Malang, Indonesia. Dr. Achmad is particularly interested in transportation planning, transportation policy, public transport planning and travel demand analysis, while he is also interested in Higher Education Quality Assurance. Starting from 2000, he has been involved in several highway and transportation engineering projects in Indonesia, including several projects at Kalimantan (Borneo Island): Bulungan regency transportation master plan in North Kalimantan, development of traffic safety devices system planning at the provincial road of East Kalimantan, DED on expansion of Tanjung Harapan airport at North Kalimantan, traffic impact analysis on New Samarinda Airport at East Kalimantan, and development of East Kalimantan Transport Master plan. He has recently also joined the research group on travel behavior with Universiti Teknologi Petronas, Malaysia.

Speakers (Day 2)



Ts. Andy Tiong Meng Jun

Senior Professional Services Manager, PCSS Consultancy

Ts. Andy Tiong Meng Jun is the Project Planning Management Specialist with PCSS Consultancy Sdn Bhd since December 2006. Being a certified PMP & Primavera Project Management Practitioner, he has delivered services to various organizations, such as Malaysia LNG Sdn Bhd, Mcdermott Sdn Bhd, Brunei Shell, Brunei LNG Sdn Bhd, Dammit Worley Parson(Brunei) Sdn Bhd, Labuan Shipyard Sdn Bhd, Brooke Dockyard Engineering Works & Construction, Petrokon Utama (Brunei)Sdn Bhd, Shapadu (Selangor) Sdn Bhd, Sapuracrest Petroleum Bhd, Sahib(Brunei) Sdn Bhd and Adenin Works & Engineering (Brunei) Sdn Bhd, just to name a few. He is also involved heavily in implementing solutions to ensure clients maintain a distinct competitive advantage by continually delivering successful project and also able to provide a range of professional project management systems and services to ensure client projects are managed successfully throughout the entire project life cycle, reducing the risk of project costs and schedule overruns. Other professional services include establishing a PMO into client organization, making it an integral part of client's organizational culture; developed project management processes and procedures; project management auditing; project planning, monitoring and scheduling services; holding a project planning workshop and conducting work scoping/site visit to verify scope and identify any potential operational problem. Mr. Andy Tiong also well recognise in the Construction Industry Development Board in Malaysia for his contribution in enhancing Civil construction through digital approach and adoption on Visual Technology.

BIM Panel Session (Day 2)



Ir. Dr. Liew San Chuin, Angelia

Senior Lecturer, Swinburne University Sarawak

Ir. Dr. Liew graduated with a First Class Honours Degree in Civil Engineering, in 2004. She worked as a Civil Engineering Design Consultant and Site Engineer for four (4) years prior to her PhD studies. She was conferred Doctor of Philosophy in Civil Engineering from the National University of Singapore (NUS), in 2012 where she received Best Paper Award for her thesis proposal entitled "A Novel Approach, Using Regional Climate Model, to Derive Present and Future IDF Curves for Data Scarce Sites". The award is given out biennial to recognize high quality contribution and to encourage presentation of results on hydraulic and water resources research. Ir. Dr. Liew was a Research Fellow with Tropical Marine Science Institute (TMSI), National University of Singapore (NUS) for 2 years before she decided to come back to Sarawak in 2014. In recognition of her works, she has been engaged as an Independent Consultant by Tropical Marine Science Institute, National University of Singapore to provide necessary experience, expertise and services to NUS. Ir. Dr. Liew is currently the main lead of CIDB myBIM Satellite Centre in Swinburne Sarawak and Certified Trainer to conduct BIM Module Training. She leads the university BIM team in the application of BIM in construction industry through education, training, research and development. She is also a Qualified Facilitator for MyCREST (personnel accredited by CIDB to facilitate the industry in adopting MyCREST in building construction project).

BIM Panel Session (Day 2)



Ts. Dr. Gerald Sundaraj

General Manager, Construction Technology & Innovation Division, CIDB Malaysia

Ts. Dr. Gerald Sundaraj obtained his Doctoral degree in Civil Engineering from the University of Salford, England in 2012, and a Master of Science and Bachelor of Engineering with Honors, from Universiti Sains Malaysia. Ts. Dr. Gerald Sundaraj is the General Manager of CIDB Malaysia, a position he was appointed to in March 2020. Prior to that, he was the Senior Manager of CIDB Malaysia for 20 years and 4 months, which he leads the strategic consulting including businesses plan and strategy development, research and development, and held an advisory role to the government agencies. Ts. Dr. Gerald also was the Special Officer at the office of Chief Secretary to the Government, Prime Minister's Department (May 2015 – May 2016), which he was involved heavily in monitoring infrastructure projects: PR1MA Housing Projects and PPA1M Housing Scheme Projects.



WHO SHOULD ATTEND?

Engineers, academics, entrepreneurs, students, and other interested individuals are invited to attend the symposium.

Challenges and Opportunities of Infrastructure Development in Borneo

Day 1: 10 Sept 2021 – Friday

0845 – 0900

Arrival of Participants, Guest of Honour & VIP

0900 – 0905

Welcoming Address

Ir. Sean Wong Siong Ung

Co-organising chairman of Symposium
Chairman of IEM Miri Branch



0905 – 0915

Opening Address

Prof. Simon Leuning

Pro Vice-Chancellor, President and Chief
Executive of Curtin Malaysia



0915 – 0930

Welcoming Speech

Ir. Ong Ching Loon

President of IEM Malaysia



Morning Session

0930 – 1015

Plenary Session

YB Dato' Sri Haji Fadillah bin Haji Yusof

Senior Minister of Malaysia (Infrastructure
Development)



1015 – 1030

Break

1030 – 1115

Keynote Speaker 1

YB Datuk Lee Kim Shin

Minister of Transport (Sarawak)



1115 – 1200

Keynote Speaker 2

YBhg. Datu Haji Ismawi bin Haji Ismuni

Chief Executive Office of RECODA



1200 – 1430

Lunch Break

Afternoon Session

1430 – 1515

Keynote Speaker 3

Mr. Ting Ching Zung

Executive Vice President (Strategy &
Corporate Development) of Sarawak Energy



1515 – 1600

Keynote Speaker 4

Ir. Lau Hieng Ung

Director of Sewerage Services Department
Sarawak



1600 – 1615

Break

1615 – 1700

Keynote Speaker 5

Ir. Tan Kok Jyh

Director of PY Konsep Perunding Sdn. Bhd.
(Sabah)



End of Day 1

Challenges and Opportunities of Infrastructure Development in Borneo

Day 2: 11 Sept 2021 – Saturday

0845 – 0900

Arrival of participants

0900 – 0945

Invited Speaker

Ir. Dr. Achmad Wicaksono

Assoc. Professor in Transportation Engineering,
Civil Engineering Department, Universitas
Brawijaya, Malang, East Java, Indonesia



0945 – 1030

Invited Speaker

Ts Andy Tiong Meng Jun

Senior Professional Services Manager
PCSS Consultancy Sdn Bhd



1030 – 1045

Break

Ir. Dr. Wong Kwong Soon (Facilitator)

Curtin University Malaysia



1045 – 1145

BIM Panel
session

Ts. Andy Tiong Meng Jun

PCSS Consultancy Sdn Bhd

Ir. Dr. Angelia Liew San Chuin

Swinburne University Sarawak



Ts. Dr. Gerald Sundaraj

CIDB Malaysia



1145 – 1200

Closing Remarks

Ir. Dr. Vera Loo Hui

Co-organising Chairman of Symposium, Curtin
University Malaysia



End of Symposium