

Suara SPERUNDING



LRT - RAPID KL



ASSOCIATION OF
CONSULTING ENGINEERS MALAYSIA



INTERNATIONAL FEDERATION OF
CONSULTING ENGINEERS (FIDIC)



FEDERATION OF ASEAN
CONSULTING ENGINEERS (FACE)

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THE ASSOCIATION OF CONSULTING ENGINEERS MALAYSIA

2021/2022 Session

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Dato' Ir. Wan Razali b Wan Muda

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SUARA Perunding

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Industry Partners



MESSAGE FROM THE PRESIDENT



Dear ACEM Members and Readers,
I hope you and your family are safe
and well.

Welcome to our fourth edition of
our Suara Perunding (SP) 2021. As
usual, thank you to our hard-working
Publication Committee/ Secretariat
for their efforts in publishing the SP
quarterly to keep members informed
of our activities and provide information on matters of interest.

At ACEM, we are trying to use what we have learned and experienced through
the pandemic to improve the way we work and enhance our communication
with our members. As part of our efforts to keep ACEM Training and
Education's activities going, despite the Movement Control Order (MCO)
restriction, we have embarked on online webinar trainings. We are pleased to
report that we have conducted 72 webinars for 6,000 participants generating
BEM CPD of 160 hours for the year 2021.

Our online site supervision courses for the Inspector of Works have been
successful with the completion of the C&S and Mechanical modules this
year. The modules for Electrical and General for the site supervision course
are being prepared for next year commencement.

Moving forward, we are planning to launch a series of courses for Engineers,
who are working in Engineering Consultancy Practice to improve their work
competency in year 2022. Further updates shall be available soon.

As part of our efforts to keep track of current issues, ACEM had conducted a
survey among our members from 5th to 11th November 2021 regarding the
starting salaries of Graduate Engineers. The objective of this survey is to
understand the impact of the company size, employees' education level and
salary progression methods in relation to the starting salaries of Graduate
Engineers. ACEM has forwarded the findings of the survey to BEM so that
the current Graduate salaries working in Consulting firms are made known.
We shall be sharing the survey outcome in our website.

As mentioned previously, our website continues to be an important reference
to the members to keep abreast with the current instructions enforced by
various Government organisations, updates of meetings and discussion
outcomes with Government agencies. We hope that members will keep
updated through our website at www.acem.com.my.

Let us ensure that ACEM is always in the forefront of maintaining the interest
of our members in the Engineering Consultancy business and industry.

Wishing everyone a happy and healthy New Year 2022. Merry Christmas for
those celebrating this joyous festival and for the rest of us, Happy Holidays.
Thank you and happy reading,

Ir. K. Sundraraj
ACEM President.

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- ❑ Induction Course for New Mechanical & Electrical Engineers 2021.
- ❑ Webinar Talk on “Taking Steps Towards IR 4.0”.
- ❑ Webinar talk on “Hydrogen Economy”.

Content



ASSOCIATION OF
CONSULTING ENGINEERS
SINGAPORE



2021 17TH ACES-ACEM DIALOGUE

The ACES-ACEM Dialogue was held on 20 November 2021. This year's dialogue was conducted via Zoom online meeting in a discussion and presentation format. The dialogue's Keynote address was presented and moderated by the ACEM President, Ir. K. Sundraraj. At the opening of the dialogue's, Ir. K. Sundraraj emphasize about the scenario and impact of COVID-19 pandemic towards the engineering industries in Malaysia. The dialogue's objective is to share the current technology of both country in engineering industry. The presenters for the dialogue were:

From ACEM

Ir. Sharifah Nor Azlina

- Route to Opening of ECP Shareholdings
- Ir. Romesh Srinivasan
- Gemas – Johor Bahru Electrified Double Track Railway Project Design & Supervision

From ACES

Er Darren Woo

- Design for Manufacturing and Assembly (DfMA): MEP-PREFAB
- Er. Yong Fen Leong
- Remote Supervision



From left: Ir. K. Sundraraj, Ir. Ahmad Masyhur, Ir. Chong Chew Fan, Ir. Kuah Kee Hong & Ir. Romesh.



Group photo of ACES-ACEM Dialogue 2021



*From left: Ir. Chong,
Ir. Kuah & Ms Wong*



Ir. K. Sundraraj



Ir. Chong Chew Fan



Ir. Romesh



Ir. Ahmad Masyhur



Ir. Kuah Kee Hong



Ir. Romesh is presenting his slides

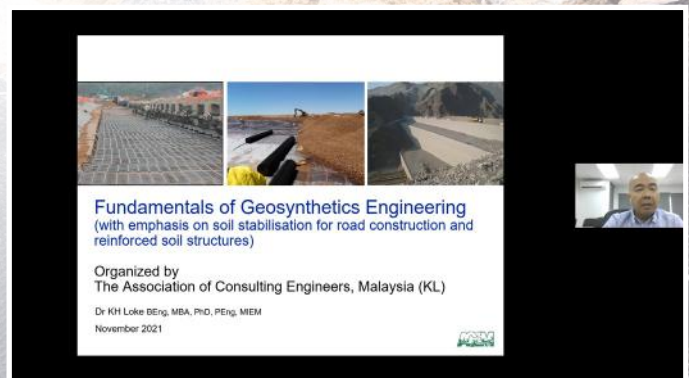
ONLINE COURSE ON FUNDAMENTALS OF GEOSYNTHETICS ENGINEERING

The webinar was presented by Dr. KH Loke on 2nd, 9th and 16th November 2021. He has been involved in the research, manufacturing, consulting, design and teaching of geosynthetics for more than 25 years. He has conducted many courses on geosynthetics applications and technology to public and universities. He is also active in the development of Malaysia test standard for geosynthetics serving in working group, WG6 of Standard Malaysia.

A total of 32 participants attended the webinar. This course intended to provide engineers with basic grounding on geosynthetics and their applications. Engineers were taught about the types of geosynthetics and their functions. The course focused on two keys applications, namely road constructions and reinforced soil structures using geogrids. The course highlight the latest development in geogrid technology and research findings. Engineers were taught on the

design using current design methods and shown the value proposition of using geosynthetics in these structures.

Lastly, the course emphasized on the proper specifications to ensure performance of geosynthetics for the intended structure. Case references were presented to show the viability and workability of geosynthetics solutions.



Dr KH Loke is presenting his lecture.



Supported by



Webinar on Introduction to MS 2616:2015 – Fixed fire fighting systems – Fire pumpsets

The webinar were presented by Ir. Wong See Foong, Mr. Jeffery Chong Seet Huang and moderated by Ir. Dr Jayaseelan. A total number of 159 participants were attended the webinar on that day.

Ir. Wong See Fong is chairing the Technical Committee under the National Standards Committee (M) of Jabatan Standard Malaysia, for the drafting of Malaysian standards for fire fighting systems and equipment.

While Mr. Jeffery Chong Seet Huang, has collective ISO/IEC 17025 accredited laboratory service experience over more than 10 years in multiple analytical fields such as microbiology, chemistry & mechanical.

In addition, he is a certified ISO/IEC 17025 internal auditor by Institute Kimia Malaysia (IKM) and a registered food analyst with Ministry of Health Malaysia.

The focus of the webinar was to introduce the requirements for fire pumps to comply with MS



Ir. Wong See Foong is presenting his lecture.



(From top) Ir. Wong See Foong, Ir. Dr Jayaseelan and Mr Chong Seet Huang Jeffery.

2616. The process of obtaining certification of the fire pumps from a locally accredited testing laboratory was briefly described.

Webinar on Good Engineering Practices and Solutions to Deliver Expected Performance of Steels and Concrete in Civil Engineering Structures



Dr Abu Saleh is presenting his lecture.



Mr. Miki Pavlovic is presenting his lecture.

Two speakers, Dr Abu Saleh and Mr Miki Pavlovic, presented the webinar on 2 December 2021. Dr Abu Saleh Mohammad is an experienced civil engineer and expert in the building materials sector with a wealth of experience in Singapore, Southeast Asia, Europe and the Middle East. In contrast, Mr Miki Pavlovic has over 12 years of experience in fire protection for the mechanical industry, wholly spent in Asia.

A total of 22 participants attended the webinar. The webinar consisted of two sessions. The first session was on “Concrete – Managing Cracks on Slab-On-Grade “ The second session was on Intumescent Fire Protection of Steel – Why, Where and How”.

The first session emphasized an inherent issue with concrete: it shrinks as it ages, and that’s when cracks will appear. This outcome was not

desirable for any slab-on-grade application where the slab is subjected to continuous loading. Dr Abu Saleh, in his presentation, shared his exploration process of managing shrinkage and cracking of concrete slabs.

Next, Mr Miki Pavlovic looked into one of the methods of fire protection, intumescent paint systems, and their effectiveness to protect load-bearing members in structures from fires in various situations through the versatility of testing speed of application, sustainability and applicability to different environments. With the ever-increasing use of structural steel in construction and fire protection being crucial to the integrity of the building and its occupants’ safety, fire protection methods are constantly evolving. Still, the requirements are getting more demanding due to frequent fires around the world.

INSURANCE FAQ

1. What is the difference between jurisdiction and territorial limits?

These two terms are sometimes confused.

Territorial limit refers to the place where the act, error or omission occurs. Jurisdiction limit refers to the fact that the policy will only cover claims brought within the court system of the nominated countries.

2. Claims examples (non -exhaustive list) possibly covered under the PII are:

- Negligence arising from a Breach of Professional Duty due to an act, error or omission.
- Fraud and Dishonesty of staff.
- Libel, Slander or Defamation against a third party.
- Loss of client documentation.
- Legal liability for damages and claimants' costs/expenses arising from the act, error or omission/civil liability of the "Company's" employees.
- Wrongful or inadequate advice to client(s).
- Acting without proper instructions from the client.
- Failure to act in accordance with client's instructions or at all.
- Failure to advise client.



SABAH NEWS

Mesyuarat Semakan Deraf Undang-Undang Kecil Bangunan Seragam Sabah organised by MLGH Sabah

Date : Still ongoing
 Venue : ZOOM Online Meeting
 Organised by : Ministry of Local Government and Housing Sabah
 Represented by : Ir. Razalie bin Sindong
 Ir. Tan Koh Yon
 Ir. Tsen Ying Fui,
 Ir. Lee Tet Fon
 Ir. Sebastian Tiong
 Ir. Amirul Hisham Ismail,
 Ir. Chia Khuin Fung
 Ir. Brandon S. Galimam
 Ir. Yong Lip Bing.

ACEM Sabah and IEM Sabah had actively involved and worked alongside MLGH Sabah on the draft of Undang-undang Kecil Bangunan Seragam Sabah 2021 (UBBL 2021). The draft is now finalised and ready to be submitted to TSUT of MLGH Sabah and AG.

Courtesy Call to Construction Industrial Development Board (CIDB) Sabah



Date : 5th November 2021
 Venue : Bangunan KoCIDB, Kota Kinabalu, Sabah.
 Organised by : ACEM Sabah
 Attended by : Ir. Razalie Sindong, Datuk Ir. Chin Shu Ying, Ir. Sebastian Tiong and Ir. Paul Yap Kok Wai.

The ACEM Sabah delegates led by its Branch Chairman, Ir. Razalie bin Sindong, and 3 exco / co-opted member made a courtesy call to director of CIDB Sabah, Tuan Rosmen bin Ag

Hassan.

Among the agendas raised during the courtesy call were as below;

1. Introduction of the new line up of ACEM Sabah Session 2021/2022.
2. Collaboration between ACEM Sabah and CIDB in organizing courses / trainings for Engineers.
3. Status of the transition of the MOF's E-perunding to KKR (CIDB).

Joint Courtesy Call to JKR Sabah



Date : 11th November 2021
 Venue : JKR Sabah Office
 Organised by : ACEM Sabah
 Represented by : Ir. Razalie Sindong, Datuk Ir. Chin Shu Ying, Ir. Benny Song and Ir. Amirul Hisham.

A courtesy call has been made to the director of JKR Sabah, Ybhg. Datuk Ir. Hj. Ali Ahmad bin Hamid. The courtesy call was led by the ACEM Sabah Branch Chairman, Ir. Razalie Sindong and was joined by representatives from IEM Sabah and Sabah Engineers Association (SEA).

A joint Memorandum, signed by the three-engineering fraternity was handed over to the Director during the courtesy call. Among issues included in the memorandum are;

1. To prioritize local consultants for the state's projects.
2. Suitable Scale of Fees in state's projects.
3. Consultant's supervision scope in construction aspect.
4. Stipulation of consultant's project ceiling cost.
5. Setting up of the Board of Engineers Malaysia (BEM) branch in Sabah.

Fellowship Gathering Night 2021

Date : 11th December 2021
 Venue : Hilton Hotel, Kota Kinabalu
 Organised by : ACEM Sabah - Sabah Engineers Association (SEA) – IEM Sabah
 Attended by : Committee Members and Co-opted Members

ACEM Sabah together with SEA and IEM Sabah have come together to organise a Fellowship Gathering Night 2021 held in the Hilton Hotel, Kota Kinabalu on 11th December 2021. This casual event was attended by 36 members from the three associations. Apart from a dinner and networking, each association was also taking the advantage to present their committees and co-opted members with gifts to honour and appreciate their contributions throughout the sessions.



STRATEGIC PARTNER BEM **HYBRID** MINI CONVENTION 2021

Integrity in the Engineering Profession

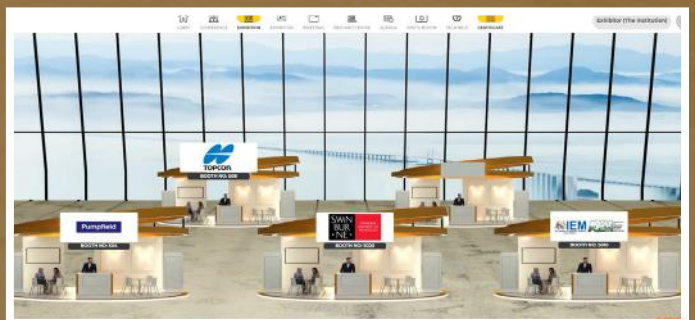


Date	:	16th & 17th November 2021
Venue	:	Virtual Live Platform (Online) / Magellan Sutura Harbour Resort, Kota Kinabalu, Sabah (Physical)
Organised by	:	Board of Engineers Malaysia (BEM)
Attended by	:	Open to professional / registered person

ACEM Sabah was invited by BEM to be their strategic partner in organising the BEM Hybrid Mini Convention with the theme of 'Integrity in The Engineering Profession'. The event was successfully conducted on 16th and 17th November 2021. The aims of the convention are as follows:

1. Engagement and disseminate information to Registered Person.
2. Registration process of engineers, technologist and technicians.
3. Promote Engineering profession and networking.
4. Showcase engineering education, program accreditation and engineering career.

A slot for paper presentation in the webinar parallel session has been allocated for ACEM Sabah. With the title of 'Integrity of Engineering Consultancy', Ir. Wong Keng Chew was selected as the speaker from ACEM Sabah. ACEM Sabah and IEM Sabah were also participated as one of the exhibitors in the virtual platform.



Webinar Talk on “Pipe-jacking through the erratic geology of Kuching, Sarawak: Challenges, solutions, and a deep learning future”

On contrary to the restriction of SOP Covid-19, the Branch organized Webinar Talk on “Pipe-jacking through the erratic geology of Kuching, Sarawak: Challenges, solutions, and a deep learning future” which was held on 25th October 2021. The speaker of the talk was Dr. Choo Chung Siung from Swinburne University of Technology (Sarawak). About thirty-one (31) participants attended the webinar talk.

Induction Course for New Mechanical & Electrical Engineers 2021

The ACEM (Sarawak Branch) organized six (6) days on Fridays and Saturdays only for 2 hours Webinar Induction Course for new mechanical & electrical engineers 2021 which began on 30th October 2021, 12th November 2021, 13th November 2021, 19th November 2021, 26th November 2021 and 27th November 2021. About thirty-two (32) participants attended the webinar Induction Course.

Webinar Talk on “Taking Steps Towards IR 4.0”

The ACEM (Sarawak Branch) organized a webinar talk on “Taking Steps Towards IR 4.0” on 15th November 2021. The speaker of the talk was Dr. Hudy Siswoyo Jo from Swinburne University of Technology (Sarawak). About thirteen (13) participants attended the talk.



Webinar Talk on “Hydrogen Economy”

The ACEM (Sarawak Branch) organized a webinar talk on “Hydrogen Economy” on 13th December 2021. The speaker of the talk was Assoc. Prof. Dr. Jaka Sunarso from Swinburne University of Technology (Sarawak). About twelve (12) participants attended the talk.



MERRY
Christmas

FROM ACEM COUNCIL MEMBERS



New Members (October - December 2021)

Individuals

October 2021

Name	Date
Ir. Koo Pui Pui @ Jenny Koo	12 October 2021

November 2021

Name	Date
Ir. Dayang Noriza bt Awang Abdul Wahid	16 November 2021

December 2021

Name	Date
Dato' Ir. K. Thanarajah A/L Kanagaratnam	01 December 2021
Ir. Haslina binti Abu Hashim	13 December 2021

Panel Member Firms

October 2021

Name	Date
Senie Asasbina	20 October 2021

Cessation of Membership (October - December 2021)

Individuals

October 2021

Name	Date
Dato' Dr. Ir. Abu Hashim b. Abd Ghani	6 October 2021
Ir. Lee Chau Kuang	22 October 2021

November 2021

Name	Date
Ir. Chua Eng Thye	16 November 2021
Ir. Harry Tan Kian Huat	19 November 2021
Ir. Mohd Rousdin b. Hassan	19 November 2021
Ir. Loo Ai Choo	19 November 2021

December 2021

Name	Date
Ir. Khoo Choong Keow	01 December 2021
Ir. Mohd Izzat Salo b. Abdullah	01 December 2021
Ir. Mustafa b. Hj. Omar	01 December 2021
Ir. Ooi Chin Keong	01 December 2021
Dato' Seri Raja Jamil Ariffin b. Raja Idris Shah	01 December 2021
Ir. Sahrul Junaini b. Yusup	01 December 2021
Ir. Wan Maliki b. Wan Muhammad	01 December 2021
Ir. Dr. Wan Zahran b. Zakaria	01 December 2021
Ir. Zulkifli A. Kahar	01 December 2021
Ir. Kalaichelvan a/l Arumugam	01 December 2021
Ir. Sinasamy Subramaniam	13 December 2021

Panel Member Firms

December 2021

Name	Date
RJA Consultant Sdn Bhd	1 December 2021

CORONAVIRUS PREVENTION



WEARING FACE MASK
IF SICK OR HAVE
ANY SYMPTOM



ALWAYS STAY
AT HOME



WASH YOUR HANDS
FREQUENTLY



DO NOT TOUCH
FACE WITH HANDS



SOCIAL DISTANCING



LEAVING
OBJECTS





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