1 ST AMVIP CONFERENCE

21st JULY 2022 - SOFITEL HOTEL

Damansara City, Kuala Lumpur

Organised by:

AMVIP

Association of Materials, Vibration & Insulation Practitioners, Malaysia

SUSTAINABLE TECHNOLOGIES ◊ ECONOMY ◊ ENVIRONMENT

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1ST AMVIP CONFERENCE

Theme: Innovations and Sustainable Technologies for the New Era

Thursday 21st July 2022

Sofitel Hotel, Kuala Lumpur

Introduction

The Association of Materials, Vibration & Insulation Practitioners, Malaysia (AMVIP) was established to provide a platform for Practitioners in Materials, Vibration & Insulation (MVI) industries to embrace sustainable technologies, grow their economies and preserve the environment.

The first AMVIP Conference will have the theme:-

Innovations and Sustainable Technologies for the New Era

1. Innovations in MVI products & services which will help customers to reduce operating & maintenance costs with supporting case histories.
2. Innovations in MVI products & services which will improve operational efficiency.
3. Sustainable MVI products & services which will contribute to a cleaner environment.
4. Sustainable application of i4.0 technologies to MVI products & services with real cost benefits and real solutions to the customer.

Conference Organization Committee

Conference Chair:	Ir. Max Ong – Norimax Sdn. Bhd.	**maxong54@gmail.com**
Conference Venue Chair:	Dr. Yu Lih Jiun – UCSI University	**yulj@ucsiuniversity.edu.my**
Technical Chair:	Ir. Pau Kiew Huai – Dialog E&C Sdn. Bhd.	**kiewhuai.pau@dialogasia.com**
Technical Co-Chair:	En. Nik Khairil – Temperlite Insulation Sdn. Bhd.	**nik@temperlite.com.my**
Technical Co-Chair:	En. Roznan Ab. Rashid – Vibration Practitioner.	**roznan@gmail.com**
Technical Co-Chair:	Ir. Raymond Lam – PETRONAS Carigali Sdn. Bhd.	**raymond.lam@petronas.com**
Technical Co-Chair:	Pn. Siti Haslina Ramli – PETRONAS (GTS/PD&T)	**sitihaslina@petronas.com**
Publications Chair:	Mr. Kirk Keng Chuan – JOTAC Academy Sdn. Bhd.	**kengchuank@gmail.com**
Registrations Chair:	Pn. Ainil Fidrah Ghazali – FixApa Sdn. Bhd.	**enel8387@gmail.com**
Exhibitions Chair:	Mr. Kang Kim Ang – Corrtrol Synergy Sdn. Bhd.	**kang.corrtrol@gmail.com**
Marketing Chair:	Mr. Calvin Kok Wai Chee – CSI Systems Sdn. Bhd.	**kokwaichee@gmail.com**
Master-of-Ceremony:	Dr. Maxine Yee – Nottingham University Malaysia	**Maxine.Yee@nottingham.edu.my**
Master-of-Ceremony:	Dr. Suhaila Halim – Universiti Teknologi MARA	**suhailaidayu@gmail.com**

AMVIP FRIENDLY NETWORKING GOLF

Date:	**Saturday 23rd July 2022**
Venue:	Kota Seriemas Golf & Country Club, Negeri Sembilan
Sponsorship:	RM2000 per Flight
Mode of Play:	Stableford
Closing Date:	Friday 8th July 2022

ENQUIRIES: AMVIP GOLF ORGANIZING COMMITTEE

Ir. Mohd Suradi Yasin (012-3830995) Email: msuradiyasin@gmail.com

Mr. Kirk Keng Chuan (016-2222189) Email: kengchuank@gmail.com

Dr. Hj. Mohamad Kamal Bin Hj. Harun

Message from the President of AMVIP

Dear all,

For those who are new to AMVIP, we are an Association of Materials, Vibration & Insulation Practitioners, Malaysia. Our focus is to promote the profession and businesses in the areas of materials, vibration & insulation practitioners in Malaysia and Globally. Within this context we aim to encourage business, skills, & technology development within in the areas of Materials, Vibration, and Insulation including materials technologies such as welding & joining, corrosion, materials fabrication & manufacture, materials handling & installation, materials cutting & fitting, materials testing, materials & equipment inspection, materials failure analysis & investigation, materials selection, and design. Our current members are those who specialises in the areas of paints & coatings, green materials, environmentally friendly materials, nanomaterials, advanced materials, insulating materials, as well as vibration technologists that investigate issues such as condition-monitoring & vibration-monitoring, corrosion-under-insulation, new vibration, and new insulation technologies

We are committed to developing knowledge in the fields of Materials, Vibration and Insulation while embracing new-age technologies to uplift the capability of the Malaysian skilled workforce in these business sectors.

As such, I welcome you to our first AMVIP conference bearing the theme, “Innovations and Sustainable Technologies for the New Era”. Within this conference we wish to deliberate several issues that concerns innovation in the materials deployed for vibration and insulation technologies, focusing on issues like effectiveness and its efficiency, its contribution to cleaner and healthier environment, as well as the role of new and emerging technologies in determining its effectiveness, cost and benefits as well as providing real solutions to its consumers. We strongly belief the platform provided by this conference will be of a great help for stakeholders to construct a network aimed at planning a better future on the use of materials and technologies.

Have a great conference!

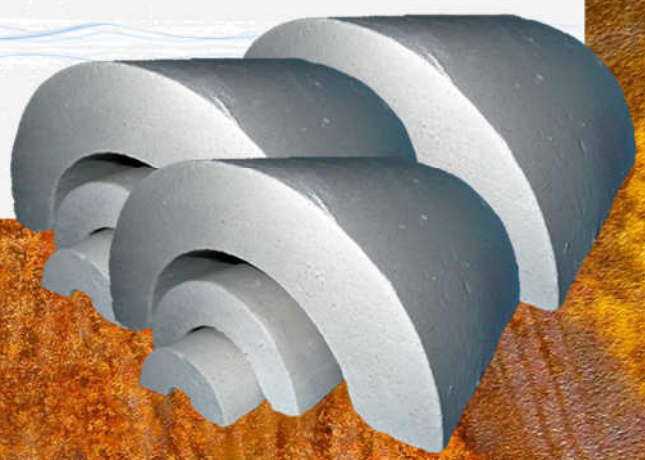
Dr Mohamad Kamal Harun, FASc
President

1ST AMVIP CONFERENCE

21st JULY 2022 - SOFITEL HOTEL, Kuala Lumpur

Program

7:30am :	Registration & Breakfast
	Tour of Table-top Exhibition
8:45am :	**Welcoming Remarks** -
	Dr. Hj. Mohamad Kamal Bin Hj. Harun - President of AMVIP
	Ir. Pau Kiew Huai - Session Chair
9:00am :	**Corrosion Under Insulation: Aerogel Insulation-Proving the Capabilities for CUI Mitigation**
	Lean Zhen Hua - Armacell Asia Pte Ltd
9:30am :	**An Overview of the New IMM Insulation Standard**
	Faizul Bin Ideris - Rockwool Malaysia Sdn Bhd
10.00am :	**Development & Implementation of High Strain Welding Solution: Replication of Best Practices and Sharing Onsite Lessons Learnt**
	Wan Md Syazwan Wan Othman - PETRONAS GTS, PD&T
10:30am :	Tea-break & Exhibition
	En. Roznan Bin Abdul Rashid - Session Chair
11:00am :	**Comparison Between Conventional vs Cutting Edge Methods of Vibration Diagnosis**
	Nu'man Fawzal - AF Condition Monitoring (M) Sdn Bhd.
11:30am :	**Vibration, A Blessing in Disguise**
	Assoc. Prof. Dr. Norhisham Bakhary - School of Civil Engineering, UTM
12.00nn :	**Special Presentation via Video**
	Tuan Haji Bacho Pilong (Senior Vice-President, Project Delivery & Technology PETRONAS)
12:30pm :	LUNCH & Exhibition
	Ir. Raymond Lam & Mr. Kang Kim Ang - Session Chairs
2:00pm :	**Digitalization of Cathodic Protection System - Remote Monitoring**
	Junaidy Abdullah - Norimax Sdn Bhd
2.30pm :	**Strength of Material of Carbon Steel from Magnetic Intensity Perspective**
	Ir. Ts. Raymond Lam Choong Meng – PETRONAS Carigali Sdn Bhd
3:00pm :	**Subsea Inspection and Engineering Solutions**
	Zach McCann – Sonomatic SEA Sdn Bhd
3.30pm :	**SIKADUR-31+: The All-In-One Very Low VOC Epoxy Adhesive**
	Ir. Steven Ng Si Yoon - Sika Kimia Sdn. Bhd
4:00pm :	Closing Remarks
4:15pm :	Tea-break & Exhibition
5:00pm :	ADJOURN



ABSTRACTS & BIODATA

Lean Zhen Hua

Corrosion Under Insulation: Aerogel Insulation - Proving the Capabilities for CUI Mitigation

Aerogel insulation materials are widely known to offer unrivalled thermal performance at low thickness when compared to traditional materials. Their unique hydrophobic and breathable qualities are also believed to offer excellent performance with regards to the mitigation of Corrosion Under Insulation (CUI). While there is a growing amount of field experience, very little independent test work has been done to verify the capabilities of aerogel insulation systems in a controlled testing environment. This paper presents the results of recent tests performed in accordance with NACE practice TG 516 on a highly flexible aerogel insulation blanket. The results reveal that the material offers exceptional capabilities with regards to corrosion mitigation.

Lean Zhen Hua - Armacell Asia Pte Ltd

Lean currently works as Specification Manager Energy, Asia Pacific Region for Armacell in with thermal and acoustic insulation industry. He has been responsible mainly in Energy sector helping the Energy Owners and EPC in APAC to qualify insulation materials, improve insulation systems, achieve energy savings, CUI mitigation and reduce projects and operation costs of facilities. He is an active member of Insulation Committee under Institute of Materials Malaysia (IMM) and holds a Bachelor Degree in Mechanical Engineering from University of Malaya.

Faizul Bin Hj Ideris

An Overview of the New IMM Insulation Standard

It is estimated that industrial thermal insulation market in Malaysia is more than RM100 million per year. There is various selection of insulation in the market, and one will be selected and used based on the performance criteria set by the end user. In line with this, IMM has initiated a project to establish a reference document to support, assist and provide reference for the local industry players. IMM IN01:2022 General Requirements for Industrial Thermal Insulation System is an industry standard guide developed under IMM Insulation Working Committee and IMM Standard Development Committee. The standard referred to other recognized international standards and adopted to suits local conditions and practices during its development stage. Main standards referred such as, JIP 33 S-738, ASTM C 1696 among other including other industry standards such as Shell Design Engineering Practice, Petronas Technical Specification and CINI Manual. This initiative aims to provide a recommended guideline for good technical practice to Malaysian insulation industry players with the aim to improve the overall landscape, skills, and competencies.

Faizul Bin Ideris - Rockwool Malaysia Sdn Bhd

Faizul bin Haji Ideris graduated with a Bachelor of Engineering (Civil) from Universiti Teknologi Malaysia (UTM). He is a Public Affair Manager at ROCKWOOL Malaysia Sdn Bhd since 2005. He is the Technical Committee of FMM-Malaysian Insulation Manufacturers Group (FMM-MIMG) since 2006 and actively involves in the sub-committee under the Federation Malaysian Manufacturers which focus on energy and environment issue.

He is the pro-tem committee of Malaysia Green Building Confederation (MGBC). Vast involvement in developing Malaysian Standard and is a permanent member of Technical Committee on Energy Efficiency of Buildings (Passive), Technical Committee on Passive Fire Protection System (TC/M/2) & Working Group on Thermal Insulation (WG/D/1-1). Currently the Steering Committee Chairman for Prime Minister's Hibiscus Award

ABSTRACTS & BIODATA

Wan M Syazwan B Wan Othman

Development & Implementation of High Strain Welding Solution: Replication of Best Practices and Sharing Onsite Lessons Learnt

Wan M Syazwan B Wan Othman, M Hasbi B A Razak, M Baki B Mansor, Noraina Suyanti Bt M Aris, M Rosmaini B Zakaria, M Shahnor B Bani

Replication of high strain welding was applied at the current pipeline replacement and relocation project at hilly areas (high strain areas) by utilizing overmatch electrodes instead of normal conventional welding. Prior development of WPS, the full-scale bend tests were carried out for the girth welds of API 5L X70 PSL2 pipe for cellulosic SMAW electrodes, undermatch basic coated electrodes and overmatch basic coated electrodes. The average tensile strain was measured from the strain gauges located on the tension side of the pipe until fractured.

The 1st girth weld formed using cellulosic SMAW electrodes failed via unstable fracture at a low strain level of 0.48% and an internal pressure of 92 bars. The unstable fracture was due to a combination of poor strain capacity with low fracture toughness and undermatching weld metal tensile properties. The 2nd girth weld deposited with basic coated electrodes, undermatch electrodes with 2mm height weld overbuilt shown increment value which is 0.93% strain at an internal pressure of 96 bars. Based on strain date, the defect was due to ductile fracture and "leak before break" behavior. The 3rd girth weld deposited with basic coated electrodes, overmatch electrodes with 3mm height weld overbuild, the girth weld did not fail by fracture with which higher strain value of 2.4% at an internal pressure of 96 bars, with the presence of semi-elliptical surface breaking defect.

The full-scale bend test results clearly demonstrated the importance of weld metal overmatching to avoid excessive strain concentration when the girth weld is subjected to large plastic deformation in addition to the requirement for sufficient fracture toughness/ tearing capacity to resist fracture.

Based on the test results, the WPS was developed as per API 1104 for pipeline replacement and relocation projects at hilly areas (high strain areas) by utilizing overmatch electrodes instead of normal conventional welding. PAUT was selected as the NDT method due to the high thickness difference at the circumferential welding considering potential inaccuracy from as-built drawing and actual pipeline wall thickness which may lead to ineffective of RT results.

Wan Md Syazwan Wan Othman - PETRONAS GTS, PD&T

Wan Md Syazwan Wan Othman graduated with a Bachelor Degree (Hons) in Mechanical Engineering, University Technology of PETRONAS, Malaysia. He is currently the Manager Material, Material Corrosion Inspection, GTS, PD&T, where he leads, manages and supervises the Material Engineering, Material Corrosion Inspection Strategy, Business Plan and Policy by providing full spectrum of technical & project engineering services & expertise, groupwide value-intensed Specialised Engineering Solutions, Technical Capability Development, Group Technical Authority, Technical Assurance and Custodianship for PETRONAS group wide i.e. Upstream, Downstream, RAPID, PRPC, PCG, Refinery, LNG, New Energy etc. He had served in PETRONAS Carigali Vietnam Limited (PCVL) - Vietnam from 2013-2016.

ABSTRACTS & BIODATA

Ahmad Nu'man

Vibration Diagnosis Method : OLD vs NEW

Vibration Analysis is the most important aspect in the topic of machine health condition. This technique has been well established and applied in the industry for more than a decade. Apart from identifying the current machine health level, any potential issues also could be revealed in the obtained results which allows the operation teams to predict the rotating machinery condition easily. Although analysing the machine vibration is a useful and significant tool in industrial, however, the accuracy of the results very dependsing on the experience of the engineer. Dfor tata collection setting, location where the data is being recorded and applied data processing methods have an impact to the analysed signal. This presentation compares the conventional and the cutting edge methods in diagnosing rotating machinery condition using vibration signals and introducing the latest data processing technique, which not only provide accurate results but allow the different level of users to analyse and identify the machine condition easily and quickly.

Ahmad Nu'man - AF Conditioning Monitoring Sdn. Bhd.

Ahmad Nu'man, a certified Vibration Specialist in Machinery Condition Monitoring, is the Operation Manager in AF Conditioning Monitoring Sdn. Bhd., Malaysia. Nu'man holds a MEng degree in Mechanical Engineering from Swansea University, United Kingdom. He is a CAT. IV certified vibration specialist from Mobius Institute, Australia (M-133785-01) and is involved in condition-based maintenance (CBM) related projects for Petronas, GE Power, etc. He has performed numerous vibration surveys for hydro and thermal plants in Peninsular Malaysia. Petronas has also appointed him to lead the CBM program for Sabah cluster platforms and terminal plants. He teaches CBM courses and trains analysts for CAT. I-III Vibration certification. His skills include a variety of vibration software and hardware .

Assoc. Prof Dr
Norhisham Bakhary

Vibration, A Blessing in Disguise

Vibration transmitted to a building or other structure may lead to various degrees of damage. The vibration can be from natural origin, such as from earthquake or human-made nature such as blasting, exaction, vehicle movement, pipe installation and etc. Vibration may trigger an aggravation of problem resulting in the structural appearance or structural damage. Moreover, humans are also sensitive to vibrations that may lead to physical distress and physical effect. Despite the negative effect of vibration to structures, measured vibration parameters can become an indicator of the loss of integrity in structures. A technique called vibration-based damage detection (VBDD) utilizes acceleration parameter produced by vibration to indicate structural performance. The basic idea of VBDD is any changes of structural integrity may change the structural vibration response, therefore, the damage severity and location can be determined through the changes of the structural vibration properties. This topic will highlight the overview on the application of VBDD method in determining structural integrity based on vibration data starting from the basic concept to field practice.

Assoc. Prof Dr Norhisham Bakhary - School of Civil Engineering, UTM

Assoc. Prof Dr Norhisham Bakhary is currently the director of Structural and Material Department, School of Civil Engineering, Universiti Teknologi Malaysia (UTM). He obtained his bachelor's degree and master's degree from UTM in 1998 and 2002 and PhD from The University of Western Australia in 2008 in the field of structural health monitoring. Currently he serves as a Fellow in Institute of Noise and Vibration, UTM city campus, Kuala Lumpur. His expertise is in vibration, structural damage detection, structural dynamic and earthquake engineering. He has authored and co-authored more than 100 journal articles in international and national scientific journal and conference proceedings. He is also a project leader and co-researcher to 25 research projects. He is also active in industry involving consultation in the field of structural health monitoring and noise and vibration projects for local and international companies.

ABSTRACTS & BIODATA

Junaidy bin Abdullah

Digitalization of Cathodic Protection System-Remote Monitoring

With Industry 4.0, digitalization is set to transform the future of many technological practices. The performance monitoring of Cathodic Protection (CP) Systems for corrosion prevention has also embraced the benefits of Digitalization. This paper presents the introduction of Malaysian-developed Remote Monitoring Software and Hardware for use in Cathodic Protection System diagnostics. A Malaysian Innovation with capability of Remote Monitoring for both Sacrificial and Impressed Current CP Systems. The unique features of this Remote Monitoring System will be presented to show the advantages of connectivity between Web-Based Data Centre and Owner Operating Centre.

Junaidy bin Abdullah - Norimax Sdn. Bhd.

Junaidy Abdullah obtained his Bachelor of Engineering (Petroleum) from University of Missouri, Rolla, USA. His Cathodic Protection (CP) career began in 1995, as a Corrosion Engineer, Technical Manager, Sales Manager and currently a Director of Norimax Sdn Bhd.

With 25 over years experience, he has carried out extensive CP projects domestically and internationally, mainly servicing the oil and gas industry, as well as other industries such as water, marines and harbors (among others). The projects have included CP for onshore processing plants, platform fabrication, petrochemical plants, offshore facilities, water works pipelines, and many light industrial and commercial applications.

He has been an invited speaker at a number of Institute of Materials, Malaysia (IMM) occasions/conferences as wells as a NACE Conference, mainly on CP system and Thermal Spray Coatings.

Ir. Ts. Raymond Lam Choong Meng

Strength of Material of Carbon Steel from Magnetic Intensity Perspective

When we discuss about the strength of material of carbon steel, the first thing that comes to mind of most Engineers are the steel grade of the material with a certain SMYS. This SMYS is obtained from the Laboratory tensile test which is derived from the stress-strain curve. In pipeline engineering, SMYS is an input data for the Engineer to determine the pipeline wall thickness at the pipeline design or operating pressure.

Recently many research have been conducted to study and learn about the magnetic strength intensity relationship with stress and strain of carbon steel material. It is clearly observed that there is a relationship between carbon steel magnetic intensity versus stress/strain when the load or stress is applied on the carbon steel test sample.

This paper will discuss about the test result and the relationship between magnetic intensity and the stress/strain of carbon steel specimen under loading.

Ir. Ts. Raymond Lam Choong Meng – PETRONAS Carigali Sdn. Bhd.

Raymond Lam is a Principal Pipeline Integrity Engineer from PETRONAS Carigali. He is also an European Engineer, an UK Chartered Engineer, a Professional Engineer, and also a Professional Technologist with over twenty six (26) years of professional experience, which include both Oil & Gas Client Operator and Consulting Development experience. Additionally, he is an International team player with deep international awareness gained through long term assignments and postings across Europe, Middle East and Asia.

ABSTRACTS & BIODATA

Zach McCann

Subsea Inspection and Engineering Solutions

The paper will discuss Sonomatic local presence and technology for subsea facilities. Our portfolio of NDT technologies can provide qualitative (screening/discovery) and quantitative (sizing) information to meet those inspection deliverables. These can be applied on piggable pipelines in lieu of in-line inspection (ILI) and/or for ILI verification and on unpiggable pipelines and structural components. It is common practice to use a strategic approach to maximize productivity on a subsea campaign by using the discovery technologies to prove the absence of damage, and where any features of interest are located and require critical sizing, then these can be assessed using quantitative methods. Sonomatic support the development of inspection technologies, specializing in the design and manufacture of a large range of custom-built ROV-deployed and diver deployed scanners that can be mounted via magnetization or hydraulic clamping to the component.

To showcase our capabilities, we will present on 2 case studies and two new technologies that are now available in Malaysia and SEA:

- **Case Study 1**: 8" pipeline Direct Assessment and Inspection using Mag-ST utilizing the Multiskip technique and ROViT utilizing 0-degree corrosion mapping. With the lines being non piggable NACE ICDA & ECDA (SP0208-2008 & SP0502-2010) method was used to identify potential locations for degradation of the pipeline. The results showed several points of interest to be assessed to allow Fitness for Service (FFS) to be carried out and ensure the integrity of each pipeline.
- **Case Study 2**: 13 ILI Verification Locations on 14", 16" & 18" pipelines using ROViT utilizing 0- degree corrosion mapping and TOFD. This project was carried out to verify the results of an ILI campaign.
- New TechnoMini ROViT & Mini ROVs Capabilities and Case Study. This capability brought together a full vessel deployed ROV inspection suite with small ROV integrated tooling for circumferentially cleaning and scanning subsea flowlines using a range of advanced NDT techniques.
- InspeCT (Subsea Computed Tomography Technology). Benefits of InspeCT is used to penetrate heavy coatings and pipe. The performance of the system has shown equivalence and, in some cases, exceeding the POD and sizing accuracies that of ILI MFL technology for many of the dimensional classes.

Zach McCann - Sonomatic SEA Sdn. Bhd.

Zach McCann has been active in the NDT industry for 29 years, working in all areas of industry between 1993 and 2004, before taking on a management and development role within Sonomatic in 2005.

Working with a strong team to build Aberdeen primarily in the subsea division, implementing new approaches to existing subsea inspection approaches and initiating the companies ROV deployed inspection systems.

In 2009 he started and with a strong team, has since been building Sonomatic's Australian and SEA operations. Having arrived in Malaysia, 3 weeks prior to the first COVID MCO, he is representing Sonomatic as the Regional Manager for South East Asia and India, based in Kuala Lumpur.

Now on the other side of the pandemic, he is starting to build a local team, to support the integrity services and specialised subsea engineering and inspection services, to better support Malaysian clients from Malaysia.

ABSTRACTS & BIODATA

Ir. Steven Ng Si Yoon

SIKADUR-31+: The All-In-One Very Low VOC Epoxy Adhesive

An epoxy resin product, Sikadur-31+ is a two parts adhesive that forms when mixing epoxy resin and hardener. One of the most common uses of epoxy resin product, Sikadur-31+ is for adhesive purposes because the strong properties of the epoxy allow for structural and engineering adhesives. Sikadur-31+ is used for bonding of fresh, green and old concrete, steel, masonry, metals, stone and other construction materials.

Sikadur-31+ is the all-in-one epoxy adhesive which is newly formulated low VOC epoxy adhesive for bonding, repairing, sealing, filling and reprofiling. This Sikadur-31+ topic will cover:

1. Structural bonding adhesive and structural repair mortar. CE marking as per EN 1504-4 & EN 1504-3 (Class R4)
2. Part of Sika Sustainability Portfolio Management (SPM) with more performance and sustainability.
3. Very low odour and very low VOC emission.
4. Labelled as a " No Dangerous Good"
5. For public use for both indoor and outdoor. Suitable for Professional, Distribution channel and DIY.

Sikadur-31+ more performance with superior adhesion on various substrates, longer open time & pot life and CE marking for structural bonding & concrete repair. Sikadur-31+ more sustainability with very low VOC emission and low odour for favourable air quality and emissions. Since Sikadur-31+ is not regulated as a dangerous good suitable for professional and DIY, it meets the health and safety requirement. Sikadur-31+ meets LEED v4 requirements for Green Building. Sikadur-31 had a very long track record of more than 50 years. The aim of this Workshop is to introduce the All-In-One very low VOC epoxy adhesive , Sikadur-31+ to cover :

Introduction; Sikadur-31+ concept and field of use; More performance, more sustainable; Unique Selling Proposition (USP) ; Certification and Available Tools

Ir. Steven Ng Si Yoon - Sika Kimia Sdn Bhd

Ir. Steven Ng Si Yoon, B.Sc. Civil, P Eng, MIEM, graduated from Oklahoma State University, USA in 1986. He is a registered Civil Engineer with the Board of Engineers and The Institution of Engineers Malaysia and has worked in the construction industry for over 28 years in various capacities, Civil & Structural Engineer, Resident Engineer and Project Manager.

Steven Ng is currently a Target Market Manager for Engineered Refurbishment for Sika Kimia Sdn. Bhd. He redefines and reviews all the technical specifications and product limitations as necessary with the engineers to ensure that all products and systems perform satisfactorily. He is also responsible for all the marketing activities, market research to develop new product / system to suit the current market requirements and product training to the applicators.

Steven has more than 22 years of experience in the assessment and repair of concrete structures. He has been involved in important refurbishment projects like the KLCC, LRT, KLIA, MRT, DASH, Mid Valley, Komtar Building, Parliament House, Matrade Building ,Kuala Kedah Jetty, Jetty Operasi TLDM Lumut , Chenderoh & Kenyir dams, Penang Bridge, Sultan Yahya Bridge, Port Klang Bridge , Semenyih & Bukit Nanas treatment plants, etc.

ACKNOWLEDGMENT

The Association of Materials, Vibration and Insulation Practitioners (AMVIP) wish to thank the following parties for the sponsorship, support and encouragement in making the first AMVIP conference and exhibition a great success.

Sharing Session via Video	- Tuan Haji Bacho Pilong (Senior Vice-President, Project Delivery & Technology PETRONAS)	
Sponsors	- Ria Solutions (M) Sdn Bhd	(Bronze)
Exhibitors	- Norimax Sdn Bhd	(Gold Table)
	- Abadi Oil & Gas Services Sdn Bhd	(Silver Table)
	- AF Condition Monitoring Sdn Bhd	(Silver Table)
	- Corrtrol Synergies Sdn Bhd	(Silver Table)
	- Materials Technology Education Sdn Bhd	(Silver Table)
	- Oilfield Offshore Services Sdn Bhd	(Silver Table)
	- OPM Venture Sdn Bhd	(Silver Table)
	- Ria Solutions (M) Sdn Bhd	(Silver Table)
	- Sika Kimia Sdn Bhd	(Silver Table)
	- Sonomatic SEA Sdn Bhd	(Silver Table)
	- Temperlite Insulation Sdn Bhd	(Silver Table)
	- Transkor Technology Services Sdn Bhd	(Silver Table)
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	- Jotac Academy Sdn Bhd	
	- Norimax Sdn Bhd	
	- Ultradex Engineering Supply Sdn Bhd	
Supporters	- Institution of Mechanical Engineers (UCSI University Student Chapter)	

THANK YOU! TERIMA KASIH!

The conference organising committee thank all delegates, exhibitors & sponsors for helping to make this event successful. We apologise for any shortcomings and hope you will send in your comments/complaints to amvip2019@gmail.com so that we can improve in our future events.

PARKING

- B3 onwards at RM10 per entry
- B2 is premium parking and will not enjoy a flat rate
- Conference delegates to validate at the concierge counter before exiting by showing conference name tag
- Pay at exit using TnG card / credit card / debit card only

AMVIP

SUSTAINABLE TECHNOLOGIES · ECONOMY · ENVIRONMENT

The Association of Materials, Vibration and Insulation Practitioners

About AMVIP

AMVIP is an association of practitioners, business persons, academicians, technologists, engineers, scientists, technicians, craft-workers, skilled workers, managers, sales persons, finance persons, legal persons, administrative persons, buyers, users, consumers, business owners, and like-minded people, involved in the fields of Materials, Vibration and Insulation.

AMVIP was co-founded by Dr. Hj. Mohamad Kamal Bin Hj. Harun and Ir. Max Ong Chong Hup in May 2019 and the Association was officially approved by the Registrar of Societies on 25th September 2019.

Vision

Recognition For Materials, Vibration & Insulation Practitioners In Society And Government

Missions

Economic Wellbeing
Improve the economic wellbeing of Materials, Vibration & Insulation practitioners

Public Awareness
Generate greater public awareness of the importance of Materials, Vibration & Insulation in everyday lives

National Development Policies
Represent the Materials, Vibration & Insulation industries in National Development Policies

Objectives

1. To Promote the Profession & Businesses;
2. To Encourage Business, Skills, & Technology Development;
3. To Encourage the Development of Manpower Skills;
4. To Promote Industrial Research & Development of Sustainable Technologies;
5. To Engage with Government, Relevant Authorities & Agencies;
6. To Encourage Early Education Amongst School Students;
7. To Facilitate & Encourage Economic Interaction;
8. To Facilitate Participation in Trade Events Domestically & Globally;
9. To Assist Its Members to Grow Domestically & Globally;
10. To Facilitate Engagement on Health, Safety, Security & the Environment;
11. To Promote Honorable Practice

Why Join AMVIP?

Togetherness
AMVIP is an association for Materials, Vibration & Insulation ("MVI") companies and individuals to grow economically in their businesses or careers through group representation rather than individually trying to get their voice heard

Business Growth
AMVIP will provide the network for business growth for “MVI” organizations and individuals

Catalyst
AMVIP will provide the catalyst for "MVI" industries to grow domestically and globally

Platform
AMVIP will provide the platform for "MVI" individuals to progress in their careers

Entrepreneurship
AMVIP will facilitate industry-academia entrepreneurship collaboration in "MVI" products and services

Membership Categories

CORPORATE	- RM200 per year
ASSOCIATE	- RM 30 per year
INDIVIDUAL	- RM 50 per year

Image: freepik.com/photos/safety-helmet

Association of Materials, Vibration & Insulation Practitioners, Malaysia

ROS No: PPM-002-10-25092019

EXCO MEMBERS 2021 – 2023 TERM		
President	Dr. Hj. Mohamad Kamal Bin Hj. Harun	Razak School of Government
Deputy President	Dato' Senu Mohd Noor	Ria Solutions Sdn. Bhd.
Vice-President	Dato' Dr. Ong Eng Long	Kossan Rubber Industries Berhad.
Vice-President	En. Nik Khairil Azman Nik Abdullah	Temperlite Insulation Sdn. Bhd.
Vice-President	Mr. Kang Kim Ang	Corrtrol Synergy Sdn. Bhd.
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	En. Roznan Bin Abdul Rashid	Vibration Practitioner
	Puan Siti Haslina bt Ramli	PETRONAS GTS

Enquiries:-

ASSOCIATION OF MATERIALS, VIBRATION & INSULATION PRACTITIONERS, MALAYSIA

(ROS No: PPM-002-10-25092019)

No.2, Jalan TPP 5/17, Taman Perindustrian Puchong Seksyen 5,

47160 Puchong, Selangor D.E., **MALAYSIA**.

Email: maxong54@gmail.com and/or **amvip2019@gmail.com**

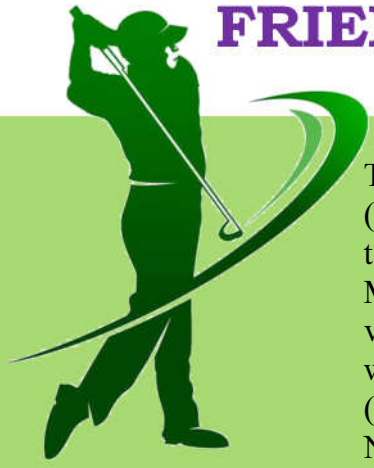
For more information about AMVIP, please visit www.amvip-my.org

An official invoice will be sent to Exhibitors upon registration.

AMVIP

SUSTAINABLE TECHNOLOGIES ◊ ECONOMY ◊ ENVIRONMENT

FRIENDLY NETWORKING GOLF No.2



The **Association of Materials, Vibration & Insulation Practitioners, Malaysia** (AMVIP) is pleased to organize its 2nd Friendly Networking Golf as a get-together to foster closer relationships and to promote AMVIP membership amongst the Materials, Vibration and Insulation fraternities and interested parties. AMVIP invites sponsorships for the golf flights. A total of 6 flights is targeted. Sponsors who do not play golf will be invited to the Lunch to network with the players (please provide the names of your company's two representatives attending the Networking Golf Lunch).

Date:	**SATURDAY 23rd JULY 2022**
Venue:	Kota Seriemas Golf & Country Club, Negeri Sembilan.
Registration Time:	6:45 am (Registration & Breakfast)
Tee-Off Time:	7:45 am (Assemble at buggy station for tee-off at 7:30 am)
Mode of Play:	System 36 Stableford.
Lunch:	12:30 pm followed by prize-giving.
SPONSORSHIP FEE :	**RM2,000.00 PER FLIGHT**
CONTACT - WhatsApp:	**Ir. Mohd Suradi Yasin (+6012-3830995)**

SPONSORSHIP CONFIRMATION FORM

We confirm our sponsorship of RM2,000.00 for the AMVIP Friendly Networking Golf No.2.
The names and contact/email of our nominated players are as follows:-

No.	Name of Player & Email Address	H/P No.	Handicap
1	Name: Email:		
2	Name: Email:		
3	Name: Email:		
4	Name: Email:		

PAYMENT METHODS Please pay to:

Account Name: **PERSATUAN AHLI MAHIR BAHAN, GETARAN DAN PENEBAT MALAYSIA**
Account No: **8010289200**
Bank Name: **CIMB BANK BERHAD**

SPECIAL PRESENTATION

Bacho Pilong

PETRONAS

Senior Vice President,

Project Delivery & Technology

Bacho Pilong

Senior Vice President,
Project Delivery & Technology,
PETRONAS

Tuan Haji Bacho Pilong was appointed Senior Vice President of Project Delivery and Technology in August 2021, having held several senior positions within the organisation. He has served as Vice President of Malaysia Assets, Vice President of International Assets, and Head of Production and Operations Management, a unit under Malaysia Petroleum Management – the exploration and production regulatory arm of Malaysia that functions under the PETRONAS Group.

He joined PETRONAS in 1992 as a process engineer and has served the Group through numerous technical and leadership positions, including international assignments in Vietnam, Sudan and the Republic of South Sudan. Bacho was born and raised in the idyllic island of Sebatik near Tawau, in the Bornean state of Sabah. His early education began in Wallace Bay primary school and was awarded a PETRONAS scholarship to pursue a bachelor's Degree in Chemical Engineering from the University of Texas, Austin, USA in 1987. He had attended a Senior Management Development Program at INSEAD, Singapore, and the Advance Management Program at Wharton, University of Pennsylvania, USA in 2008 and 2013 respectively.

Bacho currently sits on the board of PETRONAS companies including PETRONAS Technical Services Sdn. Bhd. and Institute of Technology PETRONAS Sdn. Bhd.

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