

PRE-RECORDED WEBINAR PANEL SESSION “CONTINUING CAREER DEVELOPMENT (ACADEMIC) IN OIL, GAS & MINING INDUSTRY”

**in conjunction with World Engineering Day Celebration from 4th March till 9th March 2024*

CPD Hours : 2 Hours CPD Ref No : IEM24/HQ/059/T (w)

Oil, Gas and Mining Technical Division

SYNOPSIS

Oil, gas, and mined minerals consumption is expected to rise over the world to fulfill the need for automobile and aircraft fuels, petrochemicals and fuel to replace coal in power generation. Many people are unaware that oil, gas and mined minerals are high-tech, complex industries that drive innovation and influence practically every field in our aspect of life. Natural gas, oil and mined minerals are the foundations of everything we need and love on a daily basis as they are among the world’s most valuable commodities, they can be found in practically everything, including cell phone, cosmetics, chemicals and fertilizers, fuel for transportation and even solar panels.

Professionals with a diverse range of experiences, abilities and interests are crucial in the burgeoning and fascinating oil, gas and mining industry. Challenging environments in which the industry operates, require advanced knowledge and timely introduction of new technology that demand engineers in the industry to continuously learn to upgrade their skills and competencies. Thus academicians that support the industries have to understand the oil, gas and mining human resources need so that the graduates produced match the industry skill set. The professional on the other can be enlightened on what the academic offers for them to enhance their professional endeavor.

Monday | 4 March 2024 | 9AM – 11AM

Registration Fee:

Student Member: Free | IEM Member: RM15 | Non-Member: RM70

Register online | www.myiem.org.my

SPEAKERS

Ir. Dr Syed Fuad Saiyid Hashim is currently an Associate Professor in Mineral Resources Engineering Division of the School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia (USM) Engineering Campus. He obtained his bachelor and masters degree from USM in 1996 and 1999 respectively followed by PhD from University of Queensland, Australia in mineral engineering field in 2004. During his service with USM, Ir Dr Syed had hold important administrative role ie Dean (2019-2021), Deputy Dean (Academic) (2013-2015) and Programme Chairman (2007-2012). Ir Dr Syed is a registred Profesional Engineer with Practising Certificate (PEPC) with Board of Engineers Malaysia (BEM), members of reputable organizations such as Institute of Mineral Engineering Malaysia (IME), Society of Mining Processors (SOMP) and many others. He has been involved in mineral engineering teaching and R&D for almost more 18 years. His area include Mineral Processing, Mineral Resources Engineering, Mining, Resource Recycling, Modelling and Simulation (Mineral Processing Systems).



Ir. Dr Syed Fuad Saiyid Hashim



Prof Ir. Ts. Dr Sharifah Rafidah Wan Alwi



Prof. Ir. Ts. Dr Sharifah Rafidah Binti Datu Wan Alwi, CEng, MIChemE, MIEM, is a Fellow and R&D Manager of Process Systems Engineering Centre (UTM-PROSPECT) and Professor in Faculty of Chemical and Energy Engineering. Her research expertise is in process integration and resource minimisation. She led UTM-PROSPECT as Director for 10 years (2011-2021) to be among the well-known global process systems engineering centre via international and national collaborations, providing capacity buildings, advisory roles and consultancy services to industries and government agencies, development of PSE tools and outreaching societies through publications and presentations. Sharifah is passionate in translating research into impact. She and her team has founded UTM Spin-off Company Optimal Systems Engineering (OPTIMISE) to translate their IPs into products and solutions which can benefit the industries. She is also a passionate advocator in energy and resource sustainability, preaching in her teachings and to the university communities, capacity building to industries, scientific presentations within and outside Malaysia, engaging students and professional societies in various ways and means. She has won various awards internationally and nationally and was listed as '8 Women Scientists from Asia You Should Know' in 2021 by AsianScientist.com. Sharifah also believe in contributing back to the academic society by dedicating part of her time as Associate Editor, Editorial Board and Guest Editor of several indexed journals. She chaired/co-chaired YSN-ASM Science Leadership Working Group, IChemE Young Engineer Group, PRES, PSSE and COPE-BEST conferences/convention.

Ir. Dr. Davendren Vereya has over 15 years of experience in the oil and gas industry specializing in engineering applications management, engineering information management, continuous improvement and data analytics. He graduated with bachelor of Mechanical Engineering from University Tenaga Nasional(UNITEN). He then completed his MBA in Construction Management from Wawasan Open University and Engineering Doctorate from University Teknologi Malaysia while working full time in the oil and gas industry. He has been awarded with the improvements diploma for excellent contribution to Aker Solution's global improvement program #thejourney. He has also won the Gold Medal and Special Awards by World Invention Intellectual Property Associations (WIIPA) & Special Awards by Toronto International Society of Innovation & Advanced Skills (TISIAS) in the 5th International Invention Innovation Competition in Canada as part of his engineering doctorate research on the topic of project management for oil and gas development projects. He is currently the Discipline Manager for Engineering Data Management team and Global Engineering Method Authority for Technical Data for SBM Offshore. He is also serving as the Industrial Advisory Panel for Mechanical Department of University Technology Petronas and committee member for IEM Project Management Technical Division.



Ir. Ts. Dr. Davendren Vereya



Ir. Danaraj Chandrasegaran



Ir. Danaraj Chandrasegaran P.Eng MIEM CEng MIMechE CEngHF MCIEHF. He is a Chartered Engineer and has honours degree in Mechanical Engineering from University of Technology Malaysia. He also holds a MEng degree in Mechanical Engineering from University of Malaya. Since starting his career as a Mechanical Engineer, Ir. Danaraj has had a varied service; both in front line project execution as well as in technical, training, and management functions. His career has a diverse outlook on project execution ranging from building construction, marine, mining and energy industry; as a mechanical engineer. He has worked on several large-scale projects worldwide such as Shell Malikai TLP and Barzan Offshore Project. In addition, had delivered many projects successfully collaborating with vendors and subcontractors alike. Presently, he's with D&B Energy as Human Factors Specialist.

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