

NANO TECH TALK

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WEBINAR SERIES VOLUME 3

NanoMalaysia Facebook Page (FB Live)

16th - 18h November 2020

About Nanotech Talk 2020:

NANO TECH TALK 2020

NANOTECH TALK 2020 Webinar series is a 45 minutes sharing session by NanoMalaysia and its partners which focuses on the opportunities and facilitation services offers by NanoMalaysia to industries and SMEs that would like to venture into the Nanotechnology world, specifically in the Malaysia market.

We will be sharing about the business opportunity under the nanotechnology market, and a sharing session with our project partners that has been working together with NanoMalaysia.

NANO TECH TALK 2020

Organiser:



Supported by:



Strategic Partners:



Nanotech Talk 2020 Webinar Series Sessions:

REVOLUTION *A Revolution 4.0 the Internet of Nano-Things*

Session 1

16th Nov 2020
11.30am-12.00pm

**Hydrogen powered
UAV systems:
Pulsar product
development and
technology capabilities**

Session 2

17th Nov 2020
11.30am-12.00pm

**Energy Storage
Monitoring For
Electric Scooter**

Session 3

18th Nov 2020
11.30am-12.00pm

**The changing face
of the Grocery Store**

16th November 2020 | Monday | 11.30am-12.00pm
Hydrogen powered UAV systems:
Pulsar product development and technology capabilities



Mohd Izmir bin Yamin
Founder, CEO & CTO, Pulsar UAV Sdn Bhd

Speaker's profile

Izmir holds a BEng (Hons) Mechanical Engineering degree and a Diploma in Aerospace Engineering from the MARA University of Technology in Shah Alam, Malaysia. He did his Business Administration studies in Illinois Institute of Technology in Chicago, USA and later pursued his Masters of Engineering studies at University Malaya focusing on "Biomimetic Flapping Winged Micro Aerial Vehicle (Robotic Dragonfly)".

Since college, Izmir has been working on aerospace propulsion system, namely chemical and electric propulsion technologies. He has also developed electric fuel cell systems. His interest in propulsion, orbital mechanics and control system provides the know-how and experiences to contribute towards the planning for the lunar mission. He was also a project engineer at a British aerospace firm based in Malaysia working on Airbus engineering

17th November 2020 | Tuesday | 11.30am-12pm

Topic: Energy Storage Monitoring for Electric Scooter



Dato Dennis Chuah
Founder & CEO, ECLIMO Sdn Bhd

Speaker's profile

DENNIS CHUAH has more than 30 years of corporate and entrepreneurial experience in the high tech manufacturing, electrical & engineering, lithium battery technology and electric vehicle industry. Dennis enterprising past started when he was in secondary school in the 1980s where he scavenged at metal junkyards in search of discarded metal that he could use to construct his own version of a racing bicycle and subsequently selling it to friends. In 1996, Dennis founded Zapstat Sdn. Bhd. a pioneer manufacturer of electronic antistatic packaging materials, developing flexible aluminum foils for making Lithium polymer cells. The revolutionary foils were used by Dyna Plastic Sdn. Bhd. to produce their Lithium polymer cells. Being in the fore front of lithium battery technology, Dennis set up ETI Corporation Berhad (ETICB) in 2003 to focus on Battery Management and energy storage systems. ETICB obtained MSC status in R&D and manufacturing of Battery Management and energy storage systems and obtained MSC status in R&D and manufacturing of battery Management and storage and Dennis then lead ETICB listing on MESDAQ Market of Bursa Malaysia. In 2008, ETICB's market capital value hit RM600M and Dennis made the "Forbes Asia's 4th and 5th Annual Best Under a Billion" list. Dennis then set out on a new mission to build electric vehicles through ECLIMO Sdn. Bhd. which he co - founded in 2008.

18th November 2020 | Wednesday | 11.30am-12.00pm

Topic: The changing face of the grocery store



Manirajah Kulanthavelu
CEO, Retailytics Sdn Bhd

Speaker's profile

Mr Manirajah Kulanthavelu is an entrepreneur and a former founder of Webcash which is one of Malaysia's first approved e-wallet companies that was later acquired and rebranded to kiplePay. His expertise was in enterprise technologies and payment systems and has wide experience in Industry Revolution 4.0. He and his team Redefining how retail works and building a true digital eco-system.

Organisers:



In the National Innovation Council meeting on the 29th of October 2009, Nanotechnology was identified as one of the new growth engines for the New Economic Model (NEM).

On the 14th of February 2011, the National Innovation Council convened and agreed that a nanotechnology commercialisation agency was needed and corresponding activities must be aligned with Agensi Inovasi Malaysia's (AIM) initiatives.

NanoMalaysia Berhad was incorporated in 2011 as a company limited by guarantee (CLBG) under the Ministry of Science, Technology and Innovation (MOSTI) to act as a business entity entrusted with nanotechnology commercialisation activities. Some of its roles include:

- Commercialisation of Nanotechnology Research and Development**
- Industrialisation of Nanotechnology**
- Facilitation of Investments in Nanotechnology**
- Human Capital Development in Nanotechnology**

Strategic Partners:



Pulsar UAV Sdn Bhd started in 2013 at Technology Park Malaysia as a dedicated drone technology company in Malaysia, aim to serve the local and global industries. The founder believes in taking the existing COTS technology to the next level by means of 'creative innovation'. "We have to bridge the gap of the industrial needs with the abundantly available knowledge in the country, and solve the problem". The key area of focus is in the aerial mapping activities, which covers both 2D and 3D type maps. The targeted sector are both in the agriculture and geo-survey.



Eclimo Sdn Bhd is a 100% Malaysian-owned EV company, founded in June 2008 to champion our nation's contributions towards sustainable energy, and unveiling the wonder of the exciting global revolution of electric vehicles.

Initially embarking on green technology research and development, Eclimo soon focused its efforts on productization of sustainable energy, building its way towards manufacturing electric motorcycles (ES11 and EB25) and Lithium Ion battery packs (Eclimo Power) and modules.

Built on a solid foundation of engineering expertise and proprietary technology, Eclimo holds in its name, patents for non spot-welding battery pack technology and its direct-drive electric motor, both of which have been successfully commercialized.



Retailytics is building a 'Connected Consumer, Connected Stores' eco-system. Using IoT, AI, Machine Learning and Analytics we intend to enhance the retail sector. Retailytics believe that the retail sector needs an injection of rejuvenation. Retailytics is an applied technology company building new and innovative retail concepts and experiences. Retailytics aims to be the most innovative Retail Automation company in the world, building affordable technologies for both small and large retailers alike.

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