For 21 years, the International Innovation Awards (IIA) has been celebrating innovations and recognizing excellence in R & D. It has been at the forefront of disruptive innovations for many years. Our Awards have the support of Malaysia’s Ministries and many International Inventors and Innovators Associations. We cordially invite all to join us as we announce the winners for this year’s International Innovation Awards.

**2022 Awards Results Announcement**

**INTERNATIONAL INNOVATION AWARDS 2022**

**DAY 5, FRIDAY, 25 MARCH 2022**

**10.30 am (GMT+8) SG/MYT**

For 21 years, the International Innovation Awards (IIA) has been celebrating innovations and recognizing excellence in R & D. It has been at the forefront of disruptive innovations for many years. Our Awards have the support of Malaysia’s Ministries and many International Inventors and Innovators Associations. We cordially invite all to join us as we announce the winners for this year’s International Innovation Awards.

**Don't miss out on our knowledge sharing session**

**“Remarkable Journey of Malaysian Prodigy Sisters”**

**DAY 5, FRIDAY, 25 MARCH 2022**

**10.30 am (GMT+8) SG/MYT**

At the age when most pupils would move from primary to secondary school, Ms. Tan Qi Ning and Ms. Tan Qi Yu were poised for university studies. They both graduated from the International General Certificate of Secondary Education (IGCSE) and registered in Quest International University at that young age. Follow the journey of these two remarkable young prodigy sisters in our knowledge sharing session.

**Innovation and Technology: A global OnLIVE Learning Platform**

**DAY 5, FRIDAY, 25 MARCH 2022**

**11.30 am (GMT+8) SG/MYT**

ReSkills aims to provide accessible and affordable education to people everywhere. It aims to accomplish this through nine exclusive educational programs, each covering a different medium and aspect of online learning.

After registration, you can log in to our platform anytime with just your email address and watch on the platform. These videos will be available on demand until 27th March 2022.
“Since the end of 2019, governments faced the difficult task of delivering sustained economic recovery while managing COVID-19’s unpredictable position from pandemic to endemic. During this time, governments have demonstrated an untapped ability to innovate and deliver at a rapid pace when urgency and political support is present. As chair of the awards community, I would like to congratulate all participants for taking part in PSIA 2022. We look forward to seeing more projects in future that have elements of collaboration between various departments including what we call hybrid which is between various government ministries, agencies, private sectors and community groups in order to deliver a more holistic and high impact project. So on that note, congratulations once again and best wishes to all our award winners.”

“First and foremost, I would like to extend greetings from YB Dato’ Sri Dr. Adham Baba Minister of Science, Technology and Innovation (MOSTI) who could not be with us today.

Thank you for inviting me to MTE 2022, it is a pleasure to be part of this event. Covid-19 pandemic has forced countries globally to put forward various majors in a desperate fight to survive the hard crisis. In this sudden change of situation, a bigger role for technology and us and sudden part of innovation could be observed. Moving forward to a new normal, we need to anticipate a change in the technology landscape and think hard about what policies or to be put in place.”

Gold Awards Winners
Low Application Submission for The Issuance of Land Title in SPS And SPK from Land and Survey Department, Sarawak Mukah Division
QuietBox from Institut Penyelidikan Sains dan Teknologi Pertahanan (STRIDE), Kementerian Pertahanan Malaysia
Waste Cooking Oil Community Collection Centre @ Taman Dagang Jaya, Ampang from Ampang Jaya Municipal Council (MPAJ)
Low Royalty Collection for Rock Materials (Earth) Removal Licenses for Government Projects from Land and Survey Department Sarawak

Special Awards Winners
Japan Intellectual Property Association (JIPA)
e-Filing – Declare and Pay Your Income Tax Online from Inland Revenue Board of Malaysia (IRBM)
International Federation of Inventors’ Association (IFIA)
Survey Visual Indicator (S.V.I) from Jabatan Tanah Dan Survei Sarawak
Euro Business-HALLER
Emassa from Majlis Bandaraya Shah Alam
National Research Council of Thailand (NRCT)
MOST (Magnetic Oil Serbent) from Majlis Perbandaran Sepang
Indonesian Invention & Innovation Promotion Association (INNOPA)
Bimobet From Majlis Perbandaran Kajang

Toronto International Society of Innovation & Advanced Skills (TISIAS)
Flush Mount Cap (FMC) - Grating from Majlis Bandaraya Petaling Jaya (Iron Squadron)
Chinese Innovation and Invention Society (CIIS) Taiwan
M-SPEX - Mobile Single Phase Extruder for Fish Feed from Fisheries Research Institute, Department Of Fisheries Malaysia
Association of British Inventors & Innovators (ABI)
Delayed Banner Permits Monitoring Process from Ampang Jaya Municipal Council (MPAJ)

For a full list of winners, please register at the platform or go to MTE website.
24 March 2022 Recap

2022 Awards Results Announcement

DAY 4, THURSDAY, 24 MARCH 2022 (3.30 pm (GMT+8) SG/MYT)

"Talent is critical to achieving Malaysia's goal of becoming a hub for innovation and a knowledge-driven economy. Malaysia's government is determined to develop and expand our talent pool. We must lead and serve as talent stewards to identify critical talent nurture individuals with such talents and ensure their long-term viability.

The government also allocated regulation 14.5 billion in October 2021 under the auspicious of Malaysia’s 2022 target to assist educational institutions and students. MOHE aims to improve the education system while producing more holistic and employable graduates through a five-year plan that includes four major strategies aimed at producing future proof talent for the workforce."

"I always believe the strength of the science technology engineering and mathematics workforce is often viewed as a strong indicator of a nation's ability to generate ideas towards the creation of innovative products and services. The Asian Youth Innovation Awards was created to foster, nurture and encourage the participants of youth in science technology engineering mathematics and innovation. As we know that children are our future innovators, our future entrepreneurs and our future leaders. Through this award in conjunction with the Malaysian technology expo MTE2022, most of the students aged below 17 years old and also age between 18 to 25 years old has shown improvement in their innovation and they have become a lot of problem solvers and I'm very glad to see that most of their product has shown potential for commercialization even though they are still at a young age."

Gold Awards Winners
Junior Category
Eco Mobile Basin from Sjk Chung Hua Pangkalan Baru, Sarawak
SteriLock from Chulalongkorn University Demonstration Elementary School
InsuRE box (Insulin Regulator and Enunciator Box for Purlblindness) from Bangkok Christian College

Youth Category
Plant Vac from Thammasat University
Foldable Motorized Walker For Stability And Balancing from Politeknik Premier Sultan Salahuddin Abdul Aziz Shah
Research Data Analysis Indicator Chart (REDAIC) from Politeknik Premier Sultan Salahuddin Abdul Aziz Shah

Special Awards Winners
Indonesian Invention & Innovation Promotion Association (INNOPA)
Eco Mobile Basin from Sjk Chung Hua Pangkalan Baru, Sarawak
National Association for Science & Research (NASR)
SMART BEACH: Automation of Wind and Ocean Current Power Generation through Helix Savonius and HC-SR04 Sensor-Based Ocean Wave Height Meter from Ouba Islamic School
The Union of Arab Academics (TUOAA)
Terma from Smk Seri Garing

The International Alliance of Innovation & Invention Associations (IAIA)
THE UV WARRIOR from National Association for Science and Research

Euro Business-HALLER
Water Purification through a Combination Methods Of Filtration and Coagulation from Bina Amal Intergrated Islamic Senior High School
National STEM Association
UV Disinfection Phone Case from Taipei Municipal Yongchun Senior High School
Chinese Innovation and Invention Society (CIIS)
Synthesis of MOF HKUST-1 with Additional ZIF-8 As Adsorbent of Congo Red Dyes from Institut Teknologi Sepuluh Nopember
Toronto International Society of Innovation & Advanced Skills (TISIAS)
Child Presence Detection System Using Arduino Atmega 2560 With Pir Motion Sensor, Voice Sensor And Ultrasonic Sensor from Mara – Japan Industrial Institute (MJII)

For a full list of winners, please register at the platform or go to MTE website.
Valuation Of R&D Findings Towards Commercialisation
DAY 4, THURSDAY, 24 MARCH 2022 (10.30 am (GMT+8) SG/MYT)

SIRIM Tech Venture also known as STV, is a wholly-owned subsidiary of SIRIM Berhad focusing on business commercialization and accelerating the commercialization of research and innovation into the marketplace. The company focuses on technology transfer, commercialization. We also offer packaging and security design (PSDC). In terms of STV services, there are two categories; commercialisation services and advisory and consultancy services.

For commercialization services, we focus on technology assessment, which is the most difficult part because we have to assess the technology based on several factors on how we want to put up a good assessment on the technology and also do a market feasibility study that, in addition to the normal physical study, we also do a techno economy study. STV employs certified patent valuation analysts to perform IP evaluations. We also provide business connections and market validation.

For advisory and consultancy services, we offer technology management coaching and also advisory as well as consultancy on the technology transfer itself. In terms of capacity building, there are:

- Commercialisation workshop is primarily used to share our experiences and journey in bringing the innovation to market. The workshop is more of a hand-holding concept or driven type of workshop in which we look into the real project or real technology in order to assist in commercialization.
- Innovation workshop more towards the value engineering, the way we look on the innovation, how we want to put up into a market when we have some product that also includes some sort of developing sort of business model per se.
- SIRIM34: 2020, an industry-standard that was developed in 2020 to guide anyone or any organisation interested in going into technology commercialization, acts as a guideline. The most important thing is to have a business model canvas workshop when you have a product.

Technology Enterprise and Commercialisation Hub (TECH Ecosystem) is a comprehensive and innovative platform that enables people to connect, collaborate, and co-create in order to accelerate business commercialization. Technology valuation is a dynamic process in which all methodologies are considered based on the nature of the technology as well as the market’s future standing. The final agreement is entirely at the discretion of the willing buyer-seller. This process is carried out in the context of the technology, product, or IP in order to sell it to the right parties, raise venture capital in the business, and maximise the inventor’s appreciation through wealth distribution.

STV has experience and expertise as a “Certified Patent Valuation Analyst (CPVA)” and together with a collaborative platform TECH Ecosystem allows the company to assess industry needs and provide capacity building, technology transfer, and funding advisory services to ensure commercialization success.
With the emergence of COVID-19, we have been pushed to adopt new approaches using technology. We would have a new initiative called National Digital Identity (NDI) in a few years. It combines biometric characteristics such as fingerprints, facial recognition, iris, and personal information such as name, etc. to provide safe and secure access to digital services.

NDI enables citizens to interact with digital service providers from the public and private sectors in person or remotely in cyberspace for the purpose of identity verification in a safe, secure, and time-saving manner. The public can use this to access and perform various transactions without having to remember their identification IDs and passwords. It will not be used in place of the MyKad as proof of citizenship, but rather as a form of digital identification when transacting online.

Institut Tadbiran Awam Negara (INTAN), is a strong advocate for cultivating an innovative spirit among its civil servants. Their abilities and creative thinking skills have improved as a result of the implementation of a plethora of training and learning programmes.

INTAN’s strategy to ensure continuity in innovation to the public service delivery system is to first identify the challenges faced. In general, when we do environmental scanning of the service delivery system, there are two challenges faced. The first challenge is the lack of a comprehensive database. With this, INTAN has taken the initiative to create a directory of reference expert groups and at the same time a list of innovative products that have been developed so far. With this inventory, INTAN was able to find the expertise for the public service organization itself. The next step would be replication to facilitate adoption by other ministries that are involved.

The second challenge is that there are limitations or barriers to expanding this innovation. Some perceive this innovation to be complicated, and they are unaware of the benefits they will reap as a result of it. As a result of this challenge, INTAN improves and strengthens the collaborative aspect. We must adopt a collaborative mindset and maintain positive relationships with other agencies.

To summarise, we must ask ourselves, “Why do we need innovation?” This is because the results are already there if we continue doing what we did last year. To move forward, and for productivity to skyrocket, we need something new. Newness is linked to creative thinking.
Innovation Marketplace
Visit the Innovation Marketplace Hall at MTE 2022 for more cutting-edge products and services. Stay tuned as we showcase other notable innovations in our Show Daily.

Championbio Hiraminano Enzym
Jianmao Biotech Co., Ltd.

OGAE
Multimedia University

Repurposed Electric Vehicle Batteries for Standalone Street Lights
Multimedia University

3rd Generation Express Flood Mitigation Using Elevated Large-Scale Aqueducts and Aqua Arteries
Nexus EC Sdn Bhd

PDM3: Nature Inspired Germ Busters
Forest Research Institute Malaysia (FRIM)

e-Tanah System
Jabatan Ketua Pengarah Tanah dan Galian Persekutuan

Ampang Jaya Municipal Council (MPAJ)

Grain Segregator
SMK Seri Garing

Mam’s Rice
Rich Fiber
High Vitamin
High Mineral
High Antioxidant

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ReSkills is a global OnLive(Online+LIVE) learning platform that makes education & learning affordable and accessible to anyone, anywhere. We provide learners with a variety of practical and impactful learning services carefully designed to fulfill all their needs and requirements.

**SIRIM Berhad**

SIRIM is a premier industrial research and technology organisation in Malaysia, wholly-owned by the Minister of Finance Incorporated. With over forty years of experience and expertise, SIRIM is mandated as the machinery for research and technology development, and the national champion of quality. SIRIM has always played a major role in the development of the country’s private sector. By tapping into our expertise and knowledge base, we focus on developing new technologies and improvements in the manufacturing, technology and services sectors. We nurture Small Medium Enterprises (SME) growth with solutions for technology penetration and upgrading, making it an ideal technology partner for SMEs.

**Science & Technology Research Institute for Defence (STRIDE), Ministry of Defence**

The Science & Technology Research Institute for Defence (STRIDE) in collaboration with the Kuala Kubu Bharu Fire & Rescue Station (BBP KKB), Fire & Rescue Department Malaysia (JBPM) developed a low-cost Long-Range Locator (LRL) Beacon that utilises Long Range (LoRa) communication to transmit position data from Global Positioning System (GPS) to a receiver for a range of 8 km, without depending on mobile phone coverage that is typically poor in forest environments. Based on the results of trials conducted, it was found that the beacon is able to ease and speed up search and rescue (SAR) operations in forests. It is also able to increase the effectiveness of SAR operations in terms of time-saving, as well as workforce, equipment and logistics required. It is able to replace the present use of papers maps and compasses with more effective digital mapping.

**SM Sains Hulu Selangor**

Sekolah Menengah Sains Hulu Selangor, or better known by the SEMASHUR was officially opened on 16 June 2000. History was made in 2009, when SEMASHUR was awarded as the 3rd Cohort Cluster School of Excellence with a combination of Rugby, Mathematics and Uniformed Unit. Three years later, history was made again when SEMASHUR was recognized as a 3rd Cohort High-Performance School in December 2012. The school’s ethos is Rugby and Science Innovation.

The goal of the establishment of SEMASHUR is in line with the establishment of SBP, which is to achieve the target of high academic excellence in terms of quality and quantity. In addition, SEMASHUR is expected to be a vehicle and catalyst for academic excellence at the State, National and International levels.
**Exhibitor Highlight**

**SMK Sultan Abu Bakar**

“GREAC” is a revolutionary innovation that is eco-friendly, low energy consumption, low maintenance and operating cost air conditioning. “GREAC” is inspired by the Eco Cooler developed by Ashis Paul. Posing to the current Covid-19 pandemic, our own modifications on Ashis Paul’s design are strips of UVC light placed in the middle compartment of “GREAC” to kill the microorganism in the air as the wind passes through the openings of the bottles. We added a few affordable auto spray machines that will spray sanitisers when people pass by are detected by the PIR sensor in purpose to overcome the pandemic situation.

Moreover, we have implemented a water system that circulates water at the front side where all the waters are to cool down the warm wind. We also have placed strawberry plants in “GREAC” to allow the water vapour from the process of transpiration to further cool down the air.

**Telekom Research & Development Sdn Bhd**

We started as a division in the early ‘80s, and was later incorporated as a company in 2001. We are a Malaysian government approved R&D company and an innovation hub for Telekom Malaysia (TM) group. We support TM’s vision to make life and business easier for a better Malaysia.

Today, we are positioned as a key enabler to drive TM’s digital aspiration with strength in smarter connectivity and smarter platforms as it moves beyond connectivity into new value-added digital and smart services, covering customer experience, process optimisation and new business opportunities.

**University of Technology Sarawak**

University of Technology Sarawak (UTS) is the culmination of the State of Sarawak’s vision and commitment in establishing a world-class institution of higher learning to spearhead the development and production of technical human resources for the Sarawak Corridor of Renewable Energy (SCORE). UTS is committed to facilitating students’ access to an affordable world-class university education that nurtures creative and entrepreneurial leaders through a broad education in science and technology while combining the career benefits of an applied approach for SCORE-related research and career opportunities. Situated in Sibu, one of the main gateways into SCORE, the UTS campus is equipped with the latest state-of-the-art facilities to facilitate teaching, learning and research activities necessary in the production of graduates required by the industries within SCORE.

**Shuhaimi Bin Dollah**

**Sime Darby Plantation Berhad**

World’s Largest Producer of Certified Sustainable Palm Oil. From the trading houses of colonial Singapore 200 years ago, we have survived wars, economic upheavals, and pandemics to become the world’s largest producer of certified sustainable palm oil (CSPO).

We are leaders in innovation, employing some of the best minds in the industry to produce superior quality products, serving customers across the world. Our upstream and downstream operations are fully integrated, allowing us to maximise efficiencies, creating better value for all our stakeholders. Throughout our palm oil value chain, 83,000 valued employees drive our sustainable growth, taking pride in a heritage synonymous with excellence.
About Malaysia Technology Expo

Malaysia Technology Expo (MTE) ia an annual event that offers a unique platform for universities, research institutions and enterprises, small and large, to present new innovations and technologies. The aim is to promote efforts to continuously improve current solutions and to develop cutting edge technologies and solutions at all stages of the value chain. It is also intended to encourage inventors, entrepreneurs, suppliers to promote their products or technologies by entering them for this highly successful and internationally recognised competition.

Every year, inventors and innovators from all around the world converge to compete in the prestigious MTE Innovation Awards Programme. By recognising excellent ideas and innovations, we have had more than 20 local and overseas international inventors’ associations and research institution partners have supported us over the past decade awarding special awards to outstanding inventions and breakthroughs.

In addition to the awards, MTE has an Innovation Marketplace that offers exhibitors to display their most creative solutions and practical scalable technology to the highest quality investors and network with a diverse pool of enthusiasts wanting to celebrate their developing company.

About the Organiser

PROTEMP started in 1984, and to date, we have produced more than 300 events. In our formative years, we managed successful events for overseas Organisers before organising our own business events. Our team is based in Kuala Lumpur and trained in Project Management and ISO 9001:2008 Quality Management System.

Our project management processes are fine tuned for digital events fulfilment. We are currently rolling out hybrid events, as we believe hybrid formats are here to stay, and we are committed to plan ahead to stay ahead.

We host, produce and manage business-to-business Conferences, Meetings, Exhibitions, and Awards of different sizes and scale. From large international and multi-track Conferences and exhibitions of over 10,000 participants to small Zoom meetings or webinars, we help you to deliver the desired brand experiences and meaningful connections. We understand the true meaning and importance of exceeding customer expectations, and we have over the years designed and refined a robust hybrid system of project and quality management to manage events successfully all over Asia.

For enquiries, please contact

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