

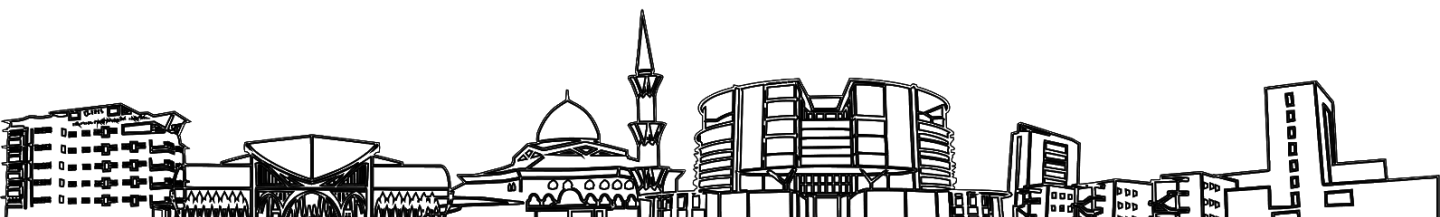
*Welcome to Institute for Integrated Engineering*

## BULLETIN



**July – Sept 2022**

## RESEARCH AND ACTIVITIES HIGHLIGHTS



## DIRECTOR'S OFFICE



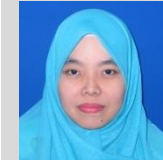
### Senior Assistant Registrar

Mrs. Nur Faezah Binti Mohamed Noor



### Research Officer

Ms. Maizatulazrina Binti Yaakob



### Senior Administrative Assistant

Mrs. Jalilah Binti Mohd Bajuri



### Administrative Assistant

Mr. Mohamad Fadhil Bin Ja'afar



### Operation Assistant

Mrs. Nomi Binti Ab Latiff

## DIRECTOR OF THE INSTITUTE



Professor Dr. Nafarizal Bin Nayan

### Head of MiNT-SRC



Assoc. Professor Ir. Dr. Soon Chin Fhong

### Head of AMMC



Assoc. Professor Dr. Anika Zafiah Binti Mohd Rus

### Head of RECESS



Ts. Dr. Azizi Bin Yusoff

### Head of EMCenter



Assoc. Professor Dr. Samsul Haimi Bin Dahlan

### Head of MPRC



Assoc. Prof. Ts. ChM. Dr. Radin Maya Saphira Binti Radin Mohamed

## INTEGRATED GROUP (IG)



Ts. Dr. Mohd Fahmy Bin Abdullah



Assoc. Prof. Dr. Mohd Zainizan Bin Sahdan

# Aims & Objectives

- To lead applied research in integrated engineering for green and sustainable development
- I<sup>2</sup>E is committed to conduct comprehensive research, consultation and innovation as a solution provider to the needs of the nation and global

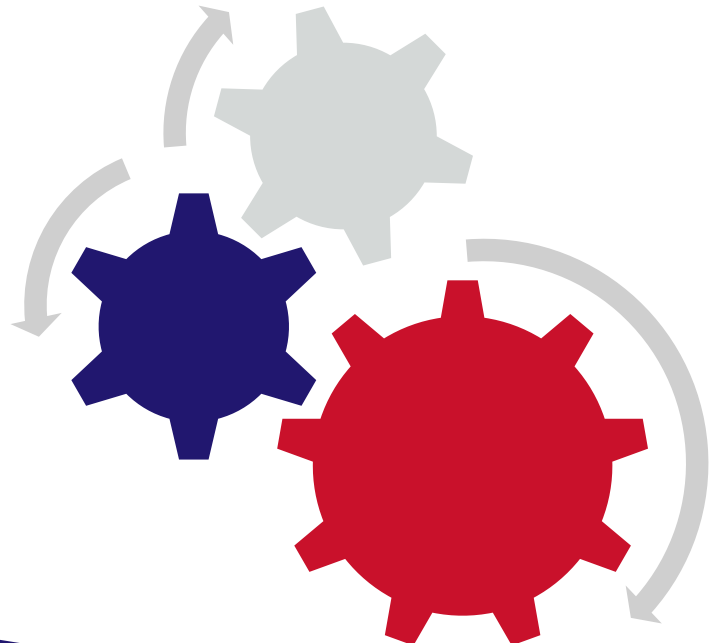


## Motto

Integrated Engineering Solution Provider

### *Words from director*

As the director of Institute for Integrated Engineering, I am proud to work the dedicated research teams from the Centre of Excellences (COEs). They have been working very hard to ensure that UTHM is contributing to the community.



**Director of Institute for Integrated Engineering**

Professor Dr. Nafarizal bin Nayan, [nafa@uthm.edu.my](mailto:nafa@uthm.edu.my)

## Inaugural Ceremony of The CLEVER Program



### INAUGURAL CEREMONY OF THE CLEVER PROGRAM (CAMPUS FOR ELECTRIC VEHICLE EXPEDITIOUS ROLL-OUT) AND SUBMISSION OF THE CLEVER MEMORANDUM OF UNDERSTANDING (MoU).

NanoMalaysia Berhad with the cooperation and support of the Ministry of Science, Technology and Innovation (MOSTI) organized the CLEVER Program Inauguration Ceremony and the CLEVER MoU Document Submission between NanoMalaysia Berhad, EduCity Iskandar, Universiti Tun Hussein Onn Malaysia (UTHM), Universiti Teknologi Malaysia (UTM) and Universiti Tenaga Nasional (UNITEN). This event was officially launch by Honorable Dato' Sri Dr. Adham Bin Baba, Minister of Science, Technology and Innovation (MOSTI). UTHM Deputy Vice Chancellor (Research and Innovation), Prof. Ts. Dr. Mohd Shahir Shamsir bin Omar, followed by Assoc. Prof. Dr. Samsul Haimi bin Dahlan (Head of EMCenter) and Dr. Xavier Ngu Toh Ik also attend in this event

## National MAKERBOT Challenge

The 2022 National MAKERBOT Challenge Competition was launched by Honorable Ms. Norlizah Binti Noh in SK Taman Megah Ria, Pasir Gudang Johor. In addition, the robotic set for makerobot challenge was donated by Lotte Chemical Titan Holding Berhad.





**Majlis PENYERAHAN SUMBANGAN SET ROBOTIK  
OLEH LOTTE CHEMICAL TITAN HOLDING BERHAD  
DAN PELANCARAN PERTANDINGAN  
MAKERBOT CHALLENGE PERINGKAT KEBANGSAAN  
TAHUN 2022**

**4 JULAI 2022 | ISNIN  
SK TAMAN MEGAH RIA, PASIR GUDANG  
JOHOR DARUL TA'ZIM**



**ROBOTICS FOR  
FUTURE AGRICULTURE**










## Collaborative Visit

Collaborative visit from Prof KenTye Yong (University of Sydney) and Prof KV Kong (National University of Taiwan) to Microelectronic and Nanotechnology – Shamsuddin Research Center (MiNT-SRC).



## UTHM WORK VISIT TO THE BULLETPROOF VEST MANUFACTURING LABORATORY, UNIVERSITI KEBANGSAAN MALAYSIA (UKM) AND ENTRUSS VENTURE SDN. BHD.

This work visit session was led by the Director of the Institute for Integrated Engineering (I<sup>2</sup>E), Prof. Dr. Nafarizal bin Nayan, followed by Assoc. Prof. Dr. Nik Hisyamudin Bin Muhd Nor, Director of the Strategic Planning and Risk Management Office (PSPR), Assoc. Prof. Ts. Dr. Mohd Khairul bin Ahmad (Deputy Director of Research Grant Management, RMC), Dr. Mohd Norihan bin Ibrahim@Tamrin (Head of Quality Rating Department, Quality Management Office), Ir. Dr. Jamiluddin bin Jaafar (FKMP), Dr. Riyaz Ahmad bin Mohamed Ali (FKEE), Ts. Dr. Azrin Hani Abdul Rashid (FTK).

Meanwhile, UKM was led by Assoc. Prof. Dr. Zainuddin bin Sajuri (Deputy Dean Center of Graduates Studies), UKM. Whereas, Entruss Venture was led by Madam Fakhah Azahari (Managing Director of Entruss Venture Sdn. Bhd.), followed by Prof. Dr. Che Husna Azhari (Research & Technical Director), Prof. Dr. Mariyam Jameelah (Field Expert), Prof. Dr. Wan Mohtar (Field Expert), and also Prof Dr. Mojtaba Porhemmat (Field Expert).



## Iskandar Regional Development Authority's Work Visit to I²E, UTHM

Iskandar Regional Development Authority's work visit to Institute for Integrated Engineering (I²E) laboratories for potential collaboration and benchmarking. The visit to CoE's laboratories was led by Prof. Dr. Yusri bin Yusof and assisted by Mr. Mokhtar A. Hamid and Mr. An'Amur Rahman bin Yunos.



## WORK VISIT TO TRX CITY SDN. BHD. FOR POTENTIAL RESEARCH COLLABORATION.

The work visit to TRX City Sdn. Bhd. was led by Assoc. Prof. Ts. Dr. Sulzakimin bin Mohamed, followed by the Director of the Institute for Integrated Engineering (I²E), Prof. Dr. Nafarizal bin Nayan, Assoc. Prof. Ts. Dr. Goh Kai Chen, Assoc. Prof. Ir. Dr. Abd Kadir bin Mahamad, and Dr. Khairul Anuar bin Mohamad.

Meanwhile, TRX City Sdn. Bhd. representatives was led by Honorable Dato' Azmar Talib (Chief Executive Officer, CEO of TRX), Mdm. Abbilasya Varatharaju (Vice President of Strategic, Marketing & Communications), Mr. Muhammad Hafiidz bin Amer Hamzah (Vice President, Corporate Planning) and Mrs. Siti Khamisah binti Kholil (Associate, Strategic Marketing & Communications).

We hope work visit to TRX City Sdn. Bhd open a wide potential for UTHM to broaden their wings in smart city research, innovation and blue print.



## COLLABORATION UTHM-SIRIM STV-LIVING LAB-SUNGAI BALANG, MUAR



### COLLABORATION UTHM-SIRIM STV-LIVING LAB-SUNGAI BALANG, MUAR IN RESEARCH AND DEVELOPMENT OF PRODUCTS BASED ON RICE STRAW

Research Center of Soft Soil (RECESS), through the Muar Living Lab investigate various problems in Sungai Balang paddy fields and start an initiative to solve this challenges into potential research and innovation.

Recently, UTHM's Innovation and Commercialization Center (ICC) had collaboration with SIRIM Tech Venture Sdn. Bhd. (STV), Thermasite Sdn. Bhd., Muar District Office, Muar's Agriculture Office, and Sungai Balang District Office. This collaboration was started to reduce solid waste disposal by turns paddy straw into better product through R&D.

This Sungai Balang paddy field R&D is part of the continuation of existing research activities related to the soft soils problem in terms of ergonomics, social studies, water quality, drones mapping and fertilizer distribution using drones.



## PRINCIPAL RESEARCHER ACHIEVEMENT

### HIGHEST SCOPUS H-INDEX – PR AMMC

Congratulations and well done to the Principal Researcher (PR) of the Advanced Manufacturing and Materials Center (AMMC), Prof. Dr. Zawati binti Harun for her achievement in terms of recognition on the highest Scopus H-Index (H-INDEX:22).



### HIGHEST NUMBER OF CITATIONS – PR MPRC

Congratulations and well done to the Principal Researcher (PR) of the Micropollutant Center of Excellence (MPRC), Ts. Dr. Adel Ali Saeed Abduh Alghethi for his achievement in term of the Highest Number of Citations (Publication Year 2022).

### HIGHEST NUMBER OF CITATIONS – PR MPRC

Congratulations and well done to the Principal Researcher (PR) of the Micropollutant Center of Excellence (MPRC), Assoc. Prof. Ts. ChM. Dr. Radin Maya Saphira Binti Radin Mohamed for her achievement in term of the Highest Number of Citations (Publication Year 2022).



### HIGHEST SCOPUS INDEXED JOURNAL ARTIVLE – PR MPRC

Congratulations and well done to the Principal Researcher (PR) of the Micropollutant Center of Excellence (MPRC), Ts. Dr. Adel Ali Saeed Abduh Alghethi for his achievement in term of the highest Scopus Indexed Journal Articles Publication for Year 2022.





## PRINCIPAL RESEARCHER ACHIEVEMENT

### HIGHEST SCOPUS INDEXED JOURNAL ARTICLE – PR MINT-SRC

Congratulations and well done to the Principal Researcher (PR) of Shamsuddin Research Center - Microelectronics And Nanotechnology (Mint-Src), Prof. Assoc. Ts. Dr. Mohd Khairul Bin Ahmad who has achieved the publication of the Highest Scopus Indexed Journal Article.



### HIGHEST SCOPUS INDEXED PROCEEDING – PR OIG

Congratulations and well done to the Principal Researcher (PR) of the Oasis Integrated Group (OIG), Ts. Dr. Suliadi Firdaus Bin Sufahani for his achievement and nominated for the Highest Scopus Indexed Proceeding Publication for year 2022.

### HIGHEST SCOPUS INDEXED PROCEEDING – PR OIG

Congratulations and well done to the Head of the Oasis Integrated Group (OIG), Ts. Dr. Mohd Fahmy Bin Abdullah for his achievement and nominated for the Highest Scopus Indexed Proceeding Publication for year 2022.



### HIGHEST DATA REPORTING IN SMPU – PR MPRC

Congratulations and well done to the Principal Researcher (PR) of the Micropollutant Center of Excellence (MPRC), Ts. Dr. Adel Ali Saeed Abduh Algeethi for his achievement on the Highest Data Reporting in SMPU.



## PRINCIPAL RESEARCHER ACHIEVEMENT

### INDUSTRY GRANT (IWEALTH GLOBAL GROUP SDN BHD) – PR OIG



**TAHNIAH**

**TS. DR. MUHAMMAD ABDUL LATIFF BIN  
ABU BAKAR**

PENERIMA GERAN INDUSTRI :

**IWEALTH GLOBAL GROUP SDN. BHD.**

**RM20,000.00**

"Ethnozoology and Wildlife Consumption Among Orang Asli Jakun (Proto Malay) in Johor and Pahang"




**INSTITUTE FOR INTEGRATED ENGINEERING**  
UNIVERSITI TUN HUSSEIN ONN MALAYSIA

Congratulations and well done to the Principal Researcher (PR) of the Oasis Integrated Group (OIG), Ts. Dr. Muhammad Abdul Latiff Bin Abu Bakar who successfully secured an industrial grant from Iwealth Global Group Sdn. Bhd. with a value of RM20,000.00 through a research project entitled "Ethnozoology and Wildlife Consumption Among the Orang Asli Jakun (Proto Malay) in Johor and Pahang".

### FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS) – PR OIG

Congratulations and well done to the Head of the Oasis Integrated Group (OIG), Ts. Dr. Mohd Fahmy Bin Abdullah who successfully secured the Fundamental Research Grant Scheme (FRGS) worth RM72,000.00 through a research project entitled "On-Demand Public Transport (ODPT) Framework for Smart Mobility in Malaysia".



**CONGRATULATIONS**

**TS. DR. MOHD FAHMY BIN ABDULLAH**

PENERIMA GERAN:

**FUNDAMENTAL RESEARCH GRANT  
SCHEME (FRGS)**

**RM72,000.00**

"On-Demand Public Transport (ODPT) Framework for Smart Mobility in Malaysia"




**INSTITUTE FOR INTEGRATED ENGINEERING**  
UNIVERSITI TUN HUSSEIN ONN MALAYSIA

### FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS) – PR OIG



**CONGRATULATIONS**

**DR. NADIRUL HASRAF BIN MAT NAYAN**

PENERIMA GERAN:

**FUNDAMENTAL RESEARCH GRANT  
SCHEME (FRGS)**

**RM134,400.00**

"Investigation of the Printability Parameters of Polylactic Acid/Collagen/Halloysite Nanotube Bioink with Bromelain for Fabricating Functionalized 3D-Artificial Corneal Stromal Keratocytes Membrane"




**INSTITUTE FOR INTEGRATED ENGINEERING**  
UNIVERSITI TUN HUSSEIN ONN MALAYSIA

Congratulations and well done to the Principal Researcher (PR) of the Oasis Integrated Group (OIG), Dr. Nadirul Hasraf Bin Mat Nayan who successfully secured the Fundamental Research Grant Scheme (FRGS) worth RM134,400.00 through a research project entitled "Investigation of the Printability Parameters of Polylactic Acid/Collagen/Halloysite Nanotube Bioink with Bromelain for Fabricating Functionalized 3D-Artificial Corneal Stromal Keratocytes Membrane".



## WOMEN IN MICROWAVE: IEEE WOMEN WHO SHINE

In this episode, Assoc. Prof. Dr. Fauziahanim binti Che Seman (Principal Researcher in Applied Electromagnetic Research Center, EMCenter) shares her valuable tips and experiences for women in engineering, which may inspire other beautiful women to shine in their roles. The keys to success include networking, making connections, reputation, and mentoring.



## INTERNATIONAL GRANT (SUMATRA INSTITUTE OF TECHNOLOGY (ITERA), INDONESIA) – PR MINT-SRC

Congratulations and well done to the Principal Researcher (PR) of Microelectronics and Nanotechnology - Shamsuddin Research Center (MINT-SRC), Dr. Marlia Binti Morsin who received an International grant from Sumatra Institute of Technology (ITERA), Indonesia with a value of RM12,000.00 through a research project entitled "Development of Metal Nanomaterial Based Sensor for Early Detection of Diseases".



## INTERNATIONAL RESEARCH ENDOWMENT FUND

Congratulations and well done to the Director of the Institute for Integrated Engineering (I<sup>2</sup>E), Prof. Dr. Nafarizal Bin Nayan who has successfully secured an international endowment funds from Universitas Sebelas Maret (UNS), worth RM3000.00

## OSHE INSPECTION AND AUDIT ON SCHEDULED WASTE

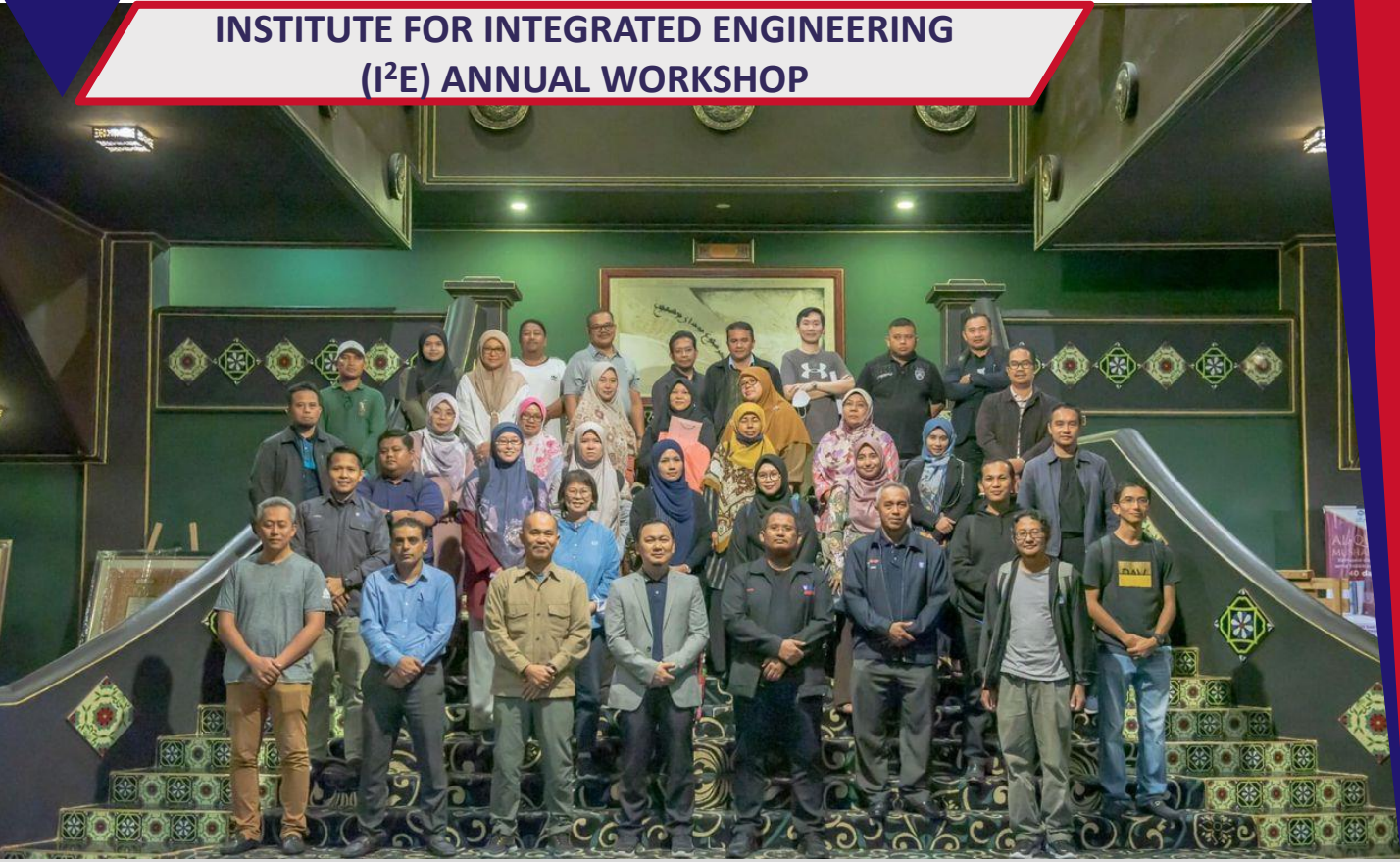


This inspection and audit session was carried out by the Occupational, Safety, Health and Environment Office (OSHE), UTHM. This inspection was led by Assoc. Prof. Ts. Dr. Nor Haslina Binti Hashim and assisted by Mr. Muhammad Fadhli Hakim Bin Ahmad. This inspection tour session has covered the waste generator laboratories at the Microelectronics and Nanotechnology-Shamsuddin Research Center (MiNT-SRC), followed by Soft Soil Research Center (RECESS) laboratories and also Advanced Manufacturing and Materials Center (AMMC) laboratories.





## INSTITUTE FOR INTEGRATED ENGINEERING (I<sup>2</sup>E) ANNUAL WORKSHOP



4 - 6 August 2022 | The Institute for Integrated Engineering (I<sup>2</sup>E) held an annual workshop at Mudzaffar Hotel, Melaka. The workshop objectives are to realign I<sup>2</sup>E annual work target for the Year 2022 with UTHM strategic planning. Besides that, this workshop aim to empower research, innovation, and ISO/IEC 17025 for university commercial Laboratories





## COMMUNITIES ENGAGEMENT IN SG. BALANG, MUAR WITH HRH TUANKU SULTAN IBRAHIM



Muar | 9 August 2022 | His Majesty Tuanku Sultan Ibrahim Ibni Almarhum Sultan Iskandar, Sultan for the State and Colony of Johor Darul Ta'zim arrived in the Muar District for communities engagement program. The objective of this event is to give moral support and inspiration to local communities on potential research and innovation in Muar. This program took place in Paddy Field, Sungai Balang, Muar with various showcased of innovative products from the local authorities, higher institutions and local villagers.

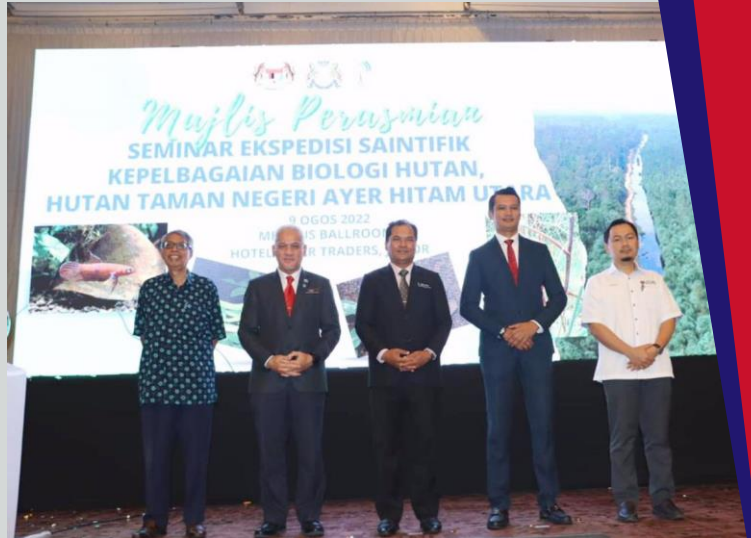
UTHM was invited as a participant of exhibition on innovative products under the Muar Living Lab Muar initiative led by Ts. Dr. Nor Azizi bin Yusoff. The Muar living lab initiative is also supported by Muar District Office, Sungai Balang Farmers Association, SIRIM STV, Thermasite Sdn. Bhd, Muar District Agriculture Department and local farmers. The innovation produced is a composite material based on straw and rice husk. Besides that, the production of composite boards using straw and plastic waste research has been successfully produced and exhibited in this event. The most interesting products from this straw are composite floors, composite panels, electric bulbs, paper and furniture designed based on this straw composite panel.





## SCIENTIFIC EXPEDITION OF FOREST BIODIVERSITY: AYER HITAM NATIONAL PARK FOREST

9 August 2022: Honorable Dato' Indera Mohd Ridza bin Awang, Director General of Forestry in Peninsular Malaysia (JPSM) attended the Opening Ceremony of the Forest Biological Diversity Scientific Expedition Seminar, Hutan Taman Negeri Ayer Hitam Utara, Muar, Johor. The ceremony also attended by Honorable Dato' Haji Salim bin Aman (Johor State Forestry Director), followed by Dato' Prof. Emeritus Dato' Dr. Abd Latif Mohamed, Prof. Dr. Nafarizal bin Nayan (Director of the Institute for Integrated Engineering, UTHM), Prof. Dr. Hazandy bin Abdul Hamid (Dean of the Faculty of Forestry and Environment, Universiti Putra Malaysia (UPM) as Head of the Forest Biological Diversity Scientific Expedition, Ayer Hitam Utara State Park Forest, Johor, Department Heads, and Divisional Director/Head of JPSM Unit.



The Biological Diversity Scientific Expedition was led by the Forestry Department of Peninsular Malaysia (JPSM) has started since 1999. It is one of the important efforts to collect data and information on biological diversity to enrich the storehouse of knowledge on forest biology that is still largely stored in tropical forest areas. . Generally, a total of 37 Forest Biodiversity Scientific Expeditions have been conducted by JPSM in collaboration with the State Forestry Department, Research Institutions and Public Higher Education Institutions. The organization of this expedition involves various disciplines that cross borders (cross sectorial) such as physical aspects of the forest ecosystem, biological diversity of flora and fauna, eco-tourism, ecology, recreation, geology, archeology and socio-economics. Well done and Congratulations to the Johor State Forestry Department and all the researchers who successfully involved in the Seminar and Scientific Expedition of Forest Biodiversity Ayer Hitam Utara.



## I<sup>2</sup>E STAFF ACHIEVEMENT



Congratulations to all staff of Institute for Integrated Engineering (I<sup>2</sup>E) for successfully gain Loyalty Award (20 Years Of Service), Dedicated Service Award (10 Years Of Service), Excellent Service Award for year 2021. May this award enhance your motivation to do well in your job and bring I<sup>2</sup>E, UTHM to the highest level.

### LOYALTY AWARD (20 YEARS OF SERVICE)

Prof. Dr. Chan Chee Ming

Prof. Ts. Dr. Norzila Othman

Mr. Amirzaki bin Salikin

Assoc. Prof. Dr. Anika Zafiah Mohd Rus

### DEDICATED SERVICE AWARD (10 YEARS OF SERVICE)

Mrs. Faezahana binti Mohkhter

Mrs. Miskiah binti Muhamad Ihsan

Mr. Mohd Rostam bin Anuar

Dr. Mohd Khaidir bin Abu Talib

### EXCELLENT SERVICE AWARD 2021

Assoc. Prof. Dr. Samsul Haimi bin Dahlan

Dr. Nadirul Hasraf bin Mat Nayan



## INSTITUTE FOR INTEGRATED ENGINEERING CHARITY

23 August 2022 - Director of the Institute for Integrated Engineering, Prof. Dr. Nafarizal bin Nayan handover a portable air conditioners to Cafe Caffeine and Calories owner.



## FOREST BIODIVERSITY EXPEDITION, FOREST SIMPAN PANTI SERIES 1/2022

21-25 August 2022 | Hutan Simpan Panti, Kota Tinggi, Johor | The Research Center for Soft Soils (RECESS) successfully organized forest biodiversity expedition series 1/2022. The aim of this expedition is to conduct scientific study and contribute ideas for forest conservation in terms of engineering point of view.



## NEWS & ARTICLES

### UTHM LEADER: PROFESSOR DR. YUSRI BIN YUSOF

Prof. Yusri has over 22 years of experience teaching in higher education. Prof. Yusri has been invited 40 times as a Keynote speaker at local and international conferences and has served on International Committee for almost 50 conferences in his area for the last 5 years. Prof. Yusri has multidisciplinary research interests, and his main research areas focus on the Manufacturing of Smart Devices & Technology Development and Digitalization & Retro-Fit CNC machines.



Click link below to read full articles on Professor Dr. Yusri bin Yusof: <https://news.uthm.edu.my/.../uthm-leader-professor-dr.../>

### UTHM EXPERT: PROFESSOR TS. DR. AESLINA ABDUL KADIR

Prof. Ts. Dr. Aeslina is the Director of Sustainable Campus Office (SCO) 2021-2023. Prof. Ts. Dr. Aeslina has published more than 150 publications including proceedings, journals, books and modules as the main author and co-author. To date, she has secured and led almost RM 2 million worth of grants as a principal researcher (FRGS, PRGS, PRGS 2.0, PPRN, KTP, Industry Grant, UCTC, The Sumitomo Foundation, MTUN, MRUN-MTUN-MCUN, MDR, GPP, ICI, IGSP) and more than RM 300 thousand worth of consultation at national and international level.



Notably, she and her research team have also won up to 50 medals during innovative product competitions which led them to obtain approved patents, industrial design and copyrights. She is also active as keynote speaker and invited speaker in more than 40 international conferences, forums and seminars.

Click link below to read full articles on Professor Ts. Dr. Aeslina binti Abdul Kadir: <https://news.uthm.edu.my/.../uthm-expert-professor-ts-dr.../>



## AMMC & MALAYSIAN PRISONS DEPARTMENT



The Advanced Manufacturing and Materials Center (AMMC), Institute for Integrated Engineering, Universiti Tun Hussein Onn Malaysia (UTHM) has conducted a knowledge transfer on the use of laser machine technology to the Malaysian Prisons Department, Simpang Renggam, Johor. The knowledge transfer program was carried out at AMMC Laboratory and was led by Assoc. Prof. Dr. Anika Zafiah Mohd Rus (Head of AMMC), assisted by Ts. Dr. Nur Kamilah Yusuf, Mr. Mokhtar A. Hamid, Mr. An'amur Rahman Yunos and Mr. Ikhwan Shah Tisadi Tukiati. The objectives of this program is to share on laser machines which may produce various patterns on rehal products to prison officer. The product was produced by the prison officer will be used for an innovation competition organized by the Malaysian Prison Headquarters (IPPM). The full article can be accessed via the following link: <https://news.uthm.edu.my/.../pensyarah-fkmp-ajar-pegawai.../>

## MUAR MUNICIPAL COUNCIL, KURE KOSEN & UTHM MEETING

several researchers from Kure Kosen, Hiroshima had visited Muar Living Lab & Muar Municipal Council (MPM). Research Centre for Soft Soil (RECESS), Institute for Integrated Engineering (I<sup>2</sup>E), UTHM are happy to facilitate the trip from Japan to Muar.

Sharing sessions from Assoc. Prof. Dr. Daisuke Tanikawa, Mdm. Hiayama, Mdm. Rukiah, Ir. Nazri, Mr. Ali, Ts. Dr. Nor Azizi had was carried out during meeting in Muar. Besides that, there is an opportunity between and Kure City to collaborate in term of backstreet arts for potential tourism attraction.





## COURTESY VISIT TO MINT-SRC & AMMC



September 12, 2022 | Caltex Riau Polytechnic delegation had a courtesy visit to COE Microelectronic and Nanotechnology-Shamsuddin Research Center (MiNT-SRC) Laboratory and Advanced Manufacturing and Materials (AMMC) laboratory, UTHM. This visit was organized by Center of Graduates Study (CGS), UTHM led by Prof. Dr. Shahrudin Bin Hj. Mahzan @ Mohd Zin (Dean of CGS), accompanied by Assoc. Prof. Ts. Dr. Asmarashid Bin Ponniran and Mdm. Rafizatul Binti Rabu.





## RESEARCH GROUP EMPOWERMENT WORKSHOP AT UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)



Research Group Empowerment Workshop at Universiti Tun Hussein Onn Malaysia (UTHM) was successfully organized by I<sup>2</sup>E. This workshop had gathered 121 focus groups (FG) and 28 research centers (COR) with almost 200 attendance. This workshop was led by the Deputy Vice-Chancellor (Research and Innovation), Honorable Prof. Dr. Mohd Shahir Shamsir bin Omar and accompanied by the Director of the Institute for Integrated Engineering, Prof. Dr. Nafarizal bin Nayan. This workshop is the largest workshop ever organized by UTHM which brings together more than a hundred researchers from various fields of expertise and niche areas. This workshop is held to further promote research, innovation and commercialization among researchers at UTHM and further drive the university's excellence to a higher level.





## MUAR LIVING LAB EXHIBITION BY RESEARCH CENTER FOR SOFT SOILS (RECESS), UTHM

7 September 2022 | Kampung Seri Sempadan, Mukim Ayer Hitam, Muar, Johor Darul Takzim | Research Center for Soft Soils (RECESS) with their collaboration partners (Muar District Office) had set up a booth for Muar Living Lab R&D exhibition. This booth demonstrates all on going initiative and potential research in Muar which was led by RECESS, UTHM. A sound support from Muar District Office strengthen living lab R&D activities, thus empower this research team to achieved more, and contribute back to communities.



# Congratulations!

CIP SPRINT CRADLE FUND SDN BHD

*Containerised Ultrafiltration System For Ground Water*

RM500,000.00

PROF. MADYA DR. MOHD ZAINIZAN BIN SAHDAN  
Itihad Maju Jaya Sdn Bhd  
Syarikat Terbitan Universiti



**INSTITUTE FOR INTEGRATED ENGINEERING**  
UNIVERSITI TUN HUSSEIN ONN MALAYSIA

## CIP SPRINT CRADLE FUND SDN. BHD. RESEARCH GRANT – PR WATE

Congratulations and well done to the Head of Water Technology Engineering Integrated Group (WATE), Associate Prof. Dr. Mohd Zainizan Bin Sahdan who received a Cip Sprint Cradle Fund Sdn Bhd. research grant worth RM500,000.00 through a research project titled "Containerised Ultrafiltration System For Ground Water".



## BENCHMARKING VISIT TO UNIVERSITI MALAYSIA PAHANG (UMP)

Benchmarking visit to Universiti Malaysia Pahang (UMP) Central Laboratories and UMP Research Centers on 7<sup>th</sup> and 8<sup>th</sup> September 2022. Institute for Integrated Engineering was led by Prof. Dr. Nafarizal bin Nayan (Director of I<sup>2</sup>E), followed by Prof. Ts. Dr. Mohd Khairul bin Ahmad, Principal Researcher of MiNT-SRC.



## COURTESY VISIT TO UTHM'S RESEARCH FACILITIES AND GUN RANGE SHOOTING FIELD

A delegation from Universiti Kebangsaan Malaysia (UKM) and Entruss Venture Sdn. Bhd. had a courtesy visit to Universiti Tun Hussein Onn Malaysia. The purpose of this courtesy visit is discuss potential collaboration between agencies on Research Facilities and UTHM gun range shooting Field. The delegation from Universiti Kebangsaan Malaysia (UKM) was led by Associate Prof. Dr. Zainuddin bin Sajuri. Whereas, Entruss Ventures Sdn. Bhd. was led by Mdm. Fakhiah Azahari, Managing Director of Entruss Ventures Sdn. Bhd.



## PRINCIPAL RESEARCHER PROMOTIONS

### PROMOTED TO PROFESOR VK7 – PR MiNT-SRC



**Tahniah**

**PROFESOR TS. DR. MOHD  
KHAIRUL BIN AHMAD**

*Atas Kenaikan Pangkat*

**PROFESOR VK7**



**INSTITUTE FOR INTEGRATED ENGINEERING**  
UNIVERSITI TUN HUSSEIN ONN MALAYSIA

Congratulations and well done to the Principal Researcher (PR) of Microelectronics and Nanotechnology Shamsuddin Research Center (MINT-SRC), Professor Ts. Dr. Mohd Khairul Bin Ahmad who was promoted to Professor VK7. May this promotion enhance your motivation to do more and open an opportunity to do well in research, innovation, consultation and bring UTHM to highest level.

### PROMOTED TO PROFESOR VK7 – PR EMCENTER



**Tahniah**

**PROFESOR IR. DR. ERWAN BIN  
SULAIMAN**

*Atas Kenaikan Pangkat*

**PROFESOR VK7**



**INSTITUTE FOR INTEGRATED ENGINEERING**  
UNIVERSITI TUN HUSSEIN ONN MALAYSIA

Congratulations and well done to the Principal Researcher (PR), Applied Electromagnetic Research Center (EMCenter), Professor Ir. Dr. Erwan Bin Sulaiman who has been promoted to Professor VK7. May this promotion enhance your motivation to do more and open an opportunity to do well in research, innovation, consultation and bring UTHM to highest level.

### PROMOTED TO PROFESOR VK7 – PR RECESS



**Tahniah**

**PROFESOR IR. TS. DR. ADNAN  
BIN ZAINORABIDIN**

*Atas Kenaikan Pangkat*

**PROFESOR VK7**



**INSTITUTE FOR INTEGRATED ENGINEERING**  
UNIVERSITI TUN HUSSEIN ONN MALAYSIA

Congratulations and well done to the Principal Researcher (PR) of the Soft Soil Research Center (RECESS), Professor Ir. Ts. Dr. Adnan Bin Zainorabidin who has been promoted to Professor VK7. May this promotion enhance your motivation to do more and open an opportunity to do well in research, innovation, consultation and bring UTHM to highest level.



## PRINCIPAL RESEARCHER PROMOTIONS

*Tahniah*



**PROFESOR DR. YUSRI BIN  
YUSOF**

*Atas Kenaikan Pangkat*

**PROFESOR VK6**



### PROMOTED TO PROFESOR VK6 – PR AMMC

Congratulations and well done to the Principal Researcher (PR) of the Advanced Manufacturing and Materials Center (AMMC), Professor Dr. Yusri Bin Yusof who has been promoted to Professor VK6. May this promotion enhance your motivation to do more and open an opportunity to do well in research, innovation, consultation and bring UTHM to highest level.

### PROMOTED TO ASSOC. PROFESOR DS54 – PR OIG

*Tahniah*



**PROFESOR. MADYA TS. DR.  
SULIADI FIRDAUS BIN SUFAHANI**

*Atas Kenaikan Pangkat*

**PROFESOR MADYA GRED DS54**



Congratulations and well done to the Principal Researcher (PR) of the Oasis Integrated Group (OIG), Associate Professor Ts. Dr. Suliadi Firdaus Bin Sufahani who has been promoted to Associate Professor Grade DS54. May this promotion enhance your motivation to do more and open an opportunity to do well in research, innovation, consultation and bring UTHM to highest level.

### PROMOTED TO ASSOC. PROFESOR DS54 – PR MPRC

Congratulations and well done to the Principal Researcher (PR) of the Micro pollutant Center of Excellence (MPRC), Associate Professor Dr. Nur Shaylinda Binti Mohd Zin who has been promoted to Associate Professor Grade DS54. May this promotion enhance your motivation to do more and open an opportunity to do well in research, innovation, consultation and bring UTHM to highest level.

*Tahniah*



**PROFESOR. MADYA DR. NUR  
SHAYLINDA BINTI MOHD ZIN**

*Atas Kenaikan Pangkat*

**PROFESOR MADYA GRED DS54**



## RESEARCH GRANT APPRECIATION CEREMONY SENA TRAFFIC SYSTEM SDN. BHD.



Prof. Ts. Dr. Ruzairi Abdul Rahim, Vice Chancellor of UTHM attend UTHM-SENA Research Grant Appreciation Ceremony at Bangi Resort Hotel on 30<sup>th</sup> September 2022. The ceremony was cordially organized by Institute for Integrated Engineering (I<sup>2</sup>E) to celebrate nine (9) research team who has completed their research grants for Sena projects. Sena Traffic Systems Sdn. Bhd. (STS) was led by Mr. William Tan, Managing Director of STS and Chief Executive Officer of ITMAX, followed by Mr. David Lim, Technical Director of Hardware Development STS., Datuk Ir. Dr. Leong Siew Mun, Sena-UTHM Smart City Chairman and Technical Advisor of STS.

Besides that, there is Signing ceremony for Memorandum of Understanding (MoU) between UTHM and STS., UTHM and STS was represent by honorable Prof. Ts. Dr. Ruzairi Abdul Rahim and Mr. William Tan, respectively. STS handover a mock check to UTHM worth RM550,000.00 for UTHM student scholarships. STS also represented appreciation certificates to nine (9) project leader for their achievement completed their research project.







## *Credits*

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