BULLETIN



JAN-MAC 2024 EDITION



















Words from Director

As the director of Institute for Integrated Engineering, I am proud to work with dedicated research teams from the Centre of Excellences (CoE's).

They have been working very hard to ensure that UTHM is contributing back to the community.

AIM AND OBJECTIVES

•To lead applied research in integrated engineering for green and sustainable development.

·12E 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

TAGLINE

Integrating, Innovation, Serving Society



Prof. Ts. Dr. Mohd Khairul bin Ahmad





Prof. Ts. Dr. Mohd Khairul bin Ahmad

HEAD OF CENTRE OF EXCELLENCE (COE)



HEAD OF RECESS Prof. Ir. Ts. Dr. Adnan bin Zainorabidin



HEAD OF AMMC Assoc. Prof. Dr. Anika Zafiah **Mohd Rus**



HEAD OF MINT-SRC Assoc. Prof. Dr. Marlia Binti Morsin



Assoc. Prof. Ir. Dr. **Fauziahanim Binti Che Seman**





RESEARCH OFFICER Ms. Maizatulazrina **Binti Yaakob**

SENIOR ASSISTANT

REGISTRAR

Mrs. Nur Faezah Binti **Mohamad Nor**

ADMINISTRATIVE STAFF



SENIOR ADMINISTRATIVE ASSISTAINT Binti Mohd Bajuri



HEAD OF MPRC Assoc. Prof. Ts. ChM. Dr. Radin Maya Saphira **Radin Mohamed**



Assoc. Prof. Dr. Nor Aziati binti Abdul Hamid



ADMINISTRATIVE ASSISTANT Mr. Mohamad Fadhil Bin Ja'afar



OPERATION ASSISTANT Mr. Abd Halim Shah bin Abd Hamid



OPERATION ASSISTANT Mrs. Norhidayah

binti hanzah

LABORATORY QUALITY ACCREDITATION UNIT



HEAD OF UCL Mr. Mohd Rostam bin **Anuar**



RESEARCH GRANTS

Congratulations to Prof. Ir. Dr. Chan Chee Ming, Principal Researcher (PR) for Research Center for Soft Soils (RECESS) for receiving an industry grant from Soil Instruments (M) Sdn Bhd for the year 2024-2025 with project title "Development of Roller Compacted Concrete Mix Design for Nenggiri Hydroelectric Main Dam in Kelantan" with a value of RM 40,000.





Congratulations to Prof. Dr. Mohd Amri bin Lajis, Principal Researcher (PR) for Advanced Manufacturing and Materials Centre (AMMC) for receiving an industry grant from Geen Screw Industries Sdn Bhd (2024-2027) with the title "Mechanical Behaviour Investigation and Materials Characterization in Multi-Stage Cold Forging of Metal Steel" with a value of RM 50,000.00.

Congratulations to Assoc. Prof. Ts. ChM. Dr. Radin Maya Saphira binti Radin Mohamed, Head of Micropollutant Research Center (MPRC) for receiving an Industry Grant for the Year 2023 through a project entitled "Development of ammonia sensor in water with bend optical fiber for improvement in sensitivity" with a value of RM41,800.00 from ABEX Group Sdn. Bhd 2023-2025.



RESEARCH GRANTS

Congratulations to Assoc. Prof. Dr. Nadirul Hasraf bin Mat Nayan, Principal Researcher (PR) for the Research Center for Applied Electromagnetic (EMCenter) for receiving an industry grant from Malaysian Pineapple Industry Board (MPIB) with project title "Preparation Of Modified Magnetic Pineapple Cellulose Nanocrystals (Cncs) Natural Zinc Oxide (ZnO) Nanofillers Immobilize With Bromelain As Controlled Release Mechanisme For Wound Healing Cream Formulation" with a value of RM 69,000.





Congratulations to Prof. Ts. Dr. Aeslina binti Abdul Kadir, Principal Researcher (PR) for Micropollutant Research Center (MPRC) for receiving an International Grant from Toshiba International Foundation (TIFO) 2024 with the title "Culturing do you Kyoto Low Carbon Footprint Lifesyle from Kyoto City, Japan in Creating a Decarbonization Behavior Towards Net Zero Carbon in Developing Countries!" with a value of USD 10,000.00.

Congratulations to Prof. Dr. Nafarizal bin Nayan and team (Prof. Ts. Dr. Mohd Khairul bin Ahmad and Dr. riyaz Ahmad bin Mohamed Ali), Principal Researcher for Microelectronics and Nanotechnology-Shamsuddin Research Center (MiNT-SRC) for receiving an industry grant from Petronas Research Sdn. Bhd. (PRSB) with a value of RM269,860.00 through a project entitled "Feasibility Study and Experimental Demonstration of Plasma Technology for H2S Decomposition".







CONGRATULATIONS!

ASSOC. PROF. DR. NOR AZIATI BINTI ABDUL HAMID



for being appointed as

Head of Industry Center of Excellence for Rail (ICoE-Rail)

1 Jan 2024 - 31 Dec 2025

















Congratulations to Assoc. Prof. Dr. Nor Aziati Binti Abdul Hamid have been appointed as Head of Industry Center of Excellence for Rail (ICoE-Rail) effective on 1st January 2024 until 31st December 2025.





Congratulations to Prof. Ts. Dr. Aeslina binti Abdul Kadir, Principal Researcher for Micropollutant Research Center (MPRC) being appointed as External Examiner for Diploma of Civil Engineering Program by Faculty of Engineering and Life Sciences, University Selangor.





Congratulations to Prof. Ts. Dr. Aeslina binti Abdul Kadir, Principal Researcher for Micropollutant Research Center (MPRC) being appointed as Committee Member for Collaboration Coordination of Solid Waste Corporation (SWCorp) - Korea Environment Corporation (K-Eco).

Congratulations to Assoc. Prof. Ir. Dr. Fauziahanim binti Che Seman, Head of Applied Electromagnetic Research Center (EMCenter) for being appointed as IEEE Woman in Microwaves Subcommittee Member 2024 by IEEE Malaysia Section.





Congratulations to Prof. Ts. Dr. Aeslina binti Abdul Kadir, Principal Micropollutant Researcher for Research Center (MPRC) being **Evaluator** appointed as by Engineering Technology Accreditation Council (ETAC).





Congratulations to Assoc. Prof. Dr. Khairun Nidzam bin Ramli, Principal Researcher for **Applied** Electromagnetic Research Center (EMCenter) for being appointed as Head of Department (Science, Technology and Innovation) Institute Ahli Sunnah Wal Jamaah (ISWAJ) on 1 February 2024.

Congratulations to Assoc. Prof. Dr. Shazarel bin Shamsudin, Principal Researcher (PR) for Advanced Manufacturing and Materials Centre (AMMC) for being appointed as Associate Professor, Grade DS54.





Congratulations to Assoc. Prof. Ts. Dr. Nur Kamilah binti Yusuf, Principal Researcher (PR) for Advanced Manufacturing and Materials Centre (AMMC) for being appointed as Associate Professor, Grade DS54.



Congratulations to Prof. Ir. Dr. Yusri bin Yusof, Principal Researcher (PR) for Advanced Manufacturing and Materials Centre (AMMC) for being appointed as External Reviewer Panel for School of Engineering Program by Taylor's University from 1 January 2024 till 31 December 2024.





Congratulations to Prof. Ir. Dr. Yusri bin Yusof, Principal Researcher (PR) for Advanced Manufacturing and Materials Centre (AMMC) for being appointed as Expert Panel for Research and Development (R&D) Project Fund by Ministry of Science, Technology and Innovation (MOSTI) on 1 January 2024 till 31 December 2026.

Congratulations to Assoc. Prof. Dr. Nurmiza binti Othman, Affliate Researcher (AR) for Applied Electromagnetic Research Center (EMCenter) for being appointed as Associate Professor, Grade DS54.





Congratulations to Assoc. Prof. Dr. Shazarel bin Shamsudin, Principal Researcher (PR) for Advanced Manufacturing and Materials Centre (AMMC) for being re-appointed as Director of Quality Management Office from 1 January 2024 till 31 December 2025.





Congratulations to Dr. Mohd Hairul bin Khamidun, Principal Researcher (PR) for Micropollutant Research Center (MPRC) for being re-appointed as Head of Department (Sport and Culture) by Centre of General Studies and Co-Curricular (PPUK) from 1 January 2024 till 31 December 2025.

Congratulations to Dr. Nor Amani Filzah binti Mohd Kamil, Principal Researcher (PR) for Micropollutant Research Center (MPRC) for being appointed as Safety Liaison Officer (SLO) from 5 January 2024 till 31 December 2025.





STAFF COMPETENCIES

Congratulations to Prof. Ir. Dr. Yusri bin Yusof, Principal Researcher (PR) for Advanced Manufacturing and Materials (AMMC) has been certified as ASEAN Chartered Professional Engineer (ACPE) by ASEAN Chartered Professional Engineer Coordination Commitee (ACPECC)





Congratulations to Ir. Ts. Mustapha Kamil bin Omran, Affliate Researcher (AR) for Industry Center of Excellence for Rail (ICoE-Rail) has been certified as ASEAN Chartered Professional Engineer (ACPE) by ASEAN Chartered Professional Engineer Coordination Commitee (ACPECC)

Congratulations to Ir. Muhamad Faiz bin Abd Latif, Affliate Researcher (AR) for Industry Center of Excellence for Rail (ICoE-Rail) has been certified as ASEAN Chartered Professional Engineer (ACPE) by ASEAN Chartered Professional Engineer Coordination Commitee (ACPECC)





STAFF COMPETENCIES

Congratulations to Prof. Ir. Dr. Mohd Amri bin Lajis, Principal Researcher (PR) for Advanced Manufacturing and Materials (AMMC) has been certified as Professional Engineer by Board of Engineer Malaysia (BEM)





Congratulations to Assoc. Prof. Ir. Ts. Dr. Alvin John Lim Meng Siang, Affliate Researcher (AR) for Research Center for Soft Soils (RECESS) has been certified as Professional Engineer by Board of Engineer Malaysia (BEM)

Congratulations to Ts. Dr. Mariah binti Awang, Affliate Researcher (AR) for Industry Center of Excellence for Rail (ICoE-Rail) has been certified as Facility Management Manager Accreditation (Level 5) by Malaysian Construction Industry Development Board (CIDB)





Congratulations to Ir. Ts. Dr. Zeety binti Md Yusof, Principal Researcher (PR) for Research Center for Soft Soils (RECESS) has been certified as Professional Engineer by Board of Engineer Malaysia (BEM)



AWARD AND RECOGNITION



Congratulations to Assoc. Prof. Ts. ChM. Dr. Radin Maya Saphira binti Radin Mohamed, Head of Micropollutant Center of Exceleince (MPRC) and her team for being awarded Silver Medal Award for **Nutrisaver** from project Malaysia Technology Expo (MTE 2024).

Congratulations to Dr. Nor Amani Filzah binti Mohd Kamil, Principal Researcher (PR) Micropollutant Center Excellence (MPRC) and her team awarded for being **Bronze** Award Medal for project Ujimakro Kit from Malaysia Technology Expo (MTE 2024)



Congratulations

DR. NOR AMANI FILZAH BINTI MOHD KAMIL

Ts. Dr. Mohd Ariff bin Mohd Nazri, Puan Hanavati binti Hafit, Dr Muhammad Salleh bin Haji Abustan, Dr. Siti Hidayah binti Abu Talib, Assoc. Prof. Ir. Dr. Mohd Adib bin Mohammad Razi, Muhammad Azhari bin Mohd

BRONZE MEDAL AWARD

"RIVER RANGERS: UJIMAKRO WATER MONITORING KIT'

from

MALAYSIA TECHNOLOGY EXPO (MTE 2024)











UTHM

Congratulations

TS. DR. NUR ANIDA BINTI JUMADI

Muhammad Hazlisham Hanafi, Cik Ng Li Mun, Assoc. Prof. Ir. Dr. Audrey Huong, Dr. Wan Mahani Hafizah Wan Mahmud, Dr. Hisyam Abdul Rahman, Mohammad Haziq Hakimi Mohd Shariman, En. Nurul Azman Abdul Kadir (Project Manager RS Tech), En. Noor Hisyam Ibrahim (CTO RS Tech).

for receiving

GOLD MEDAL AWARD

"OPTICAL GLUCOMETER"

MALAYSIA TECHNOLOGY EXPO (MTE 2024)









UTHM

Congratulations to Ts. Dr. Nur Anida binti Jumadi, Affliate Researcher (AR) for Shamsuddin-Mikroelectronic and Nanotechnology Research Center (MiNT-SRC) and her team for being awarded Gold Medal Award for project Optical Glucometer from Malaysia Technology Expo (MTE 2024)



AWARD AND RECOGNITION



Congratulations to Dr. Herdawatie binti Abdul Kadir, Principal Researcher (PR) for **Applied** Electromagnetics Research Center (EMCenter) and her team for being awarded Gold Award for project "Buoy One: Waterfall Alarm System Headwater Phenomena", Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEX 2024) In Thailand Inventors' Day 2024

Congratulations to Dr. Herdawatie binti Abdul Kadir, Principal Researcher (PR) for Applied Electromagnetics Research Center (EMCenter) and her team for being awarded Silver Award for project "Real-Time Monitoring System Aquatic Surface Cleaning Robot", Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEX 2024) In Thailand Inventors' Day 2024.

Congratulations

DR. HERDAWATIE BINTI ABDUL KADIR

Encik Mohd Helmy Abd Wahab, Dr. Radzi Ambar, Ts. Dr. Khalid Isa, Nor Hazira binti Hashim, Nur Diyanah Hazwani binti Abdul Roni, Muhammad Azwar Hakim bin Othman, Muhammad Hafiz bin Mansor, Rur Natfa binti Mod Arsad, Muhammad Zulfauzan Fahmi bin Che Alias

for receiving

SILVER AWARD

"REAL TIME MONITORING SYSTEM FOR AQUATIC SURFACE CLEANING ROBOT

BANGKOK INTERNATIONAL INTELLECTUAL PROPERTY, INVENTION AND TECHNOLOGY EXPOSITION (IPITEX 2024) IN THAILAND'S INVENTOR DAY











QUTHM

QUTHM Congratulations DR. HERDAWATIE BINTI ABDUL KADIR Encik Mohd Helmy Abd Wahab, Dr. Radzi Ambar, Nur Diyanah Haz binti Abdul Roni, Muhamad Faizul Akmal bin Hamdan, Muhammad Amirul Amri Adam, Muhammad Azwar Hakim bin Othman, Muhammad Zulfauzan Fahmi bin Che Alias, Nur Nazifa binti Mod Arsad for receiving SILVER AWARD "REAL TIME INTEGRATED SYSTEM FOR SMART BUILDING USING IOT (RIDE-SMART IOT) from

> BANGKOK INTERNATIONAL INTELLECTUAL PROPERTY.INVENTION AND TECHNOLOGY EXPOSITION (IPITEX 2024) IN THAILAND'S INVENTOR DAY

INSTITUTE FOR INTEGRATED CHESSES THE PROPERTY OF THE PROPERTY

Congratulations to Dr. Herdawatie binti Abdul Kadir, Principal Researcher (PR) for Applied Electromagnetics Research Center (EMCenter) and her team for being awarded Silver Award for project "Real-Time Integrated System For Smart Building Using lot (Ride-Smart IoT)", Bangkok International Intellectual Property, Invention, Innovation Technology Exposition (IPITEX 2024) In Thailand Inventors' Day 2024.



AWARD AND RECOGNITION



Congratulations to Dr. Noor Kamalia binti Abd Hamed, Postdoctoral from Microelectronic and Nanotechnology Shamsuddin Research Center (MiNT-SRC) has been awarded with AFMD Emerging Women in Material Science Award (Sponsored by Wiley) International Conference on Advanced Functional Materials and Devices (AFMD-2024)

Congratulations to Assoc. Prof. Ts. ChM. Dr. Radin Maya Saphira binti Radin Mohamed, Head of Micropollutant Center for Excellence (MPRC) has been nominated as Best Oral Presentation Award International Conference on Civil Engineering Construction and Technology (ICECON) 2024





Congratulations to postgraduate students from MiNT-SRC under Assoc. Prof. Dr. Marlia binti Morsin who has been nominated as Best Oral Presentation and Best Poster Presentation Award in International Conference on Advanced Functional Materials and Devices (AFMD-2024)



WEBINAR & WORKSHOP





Prof. Dr. Mohd Amri bin Lajis Fakulti Teknologi Kejuruteraan

"Sustainable Aluminum Recycling for a Circular Economy"

> 15 Januari 2024 (Isnin) | 9.30 Pagi **Bilik Banquet** Dewan Sultan Ibrahim

Anjuran bersama: Majlis Profesor Universiti, Pejabat Canselori dan Fakulti Teknologi Kejuruteraan







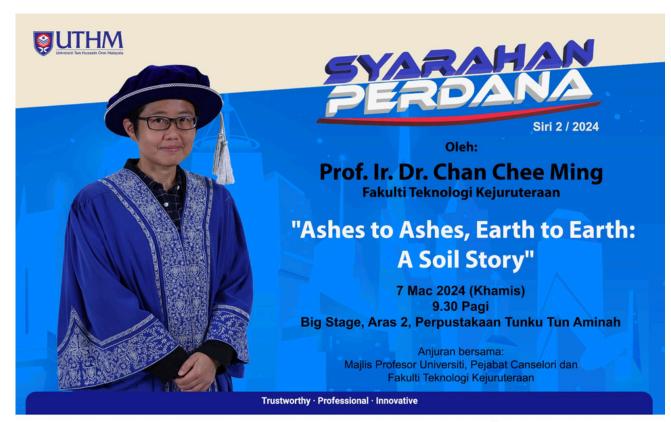






























WEBINAR & WORKSHOP

Congratulations to Assoc. Prof. Ir. Dr. Soon Chin Fhong who has been invited as a speaker for webinar entitled "How to register for HRDCorp Trainer" organized by Faculty of Electrical and Electronics Engineering (FKEE).

This session was conducted via Microsoft team meeting on 27th February 2024. Assoc. Prof. Ir. Dr. Soon Chin Fhong is one of certified trainer register with HRDCorp.







Institute for Integrated Engineering (I²E) was successfully presented their Annual Work Target for year 2024 with the Deputy Vice-Chancellor (Research and Innovation), Prof. Ts. Dr. Rabiah binti Ahmad.

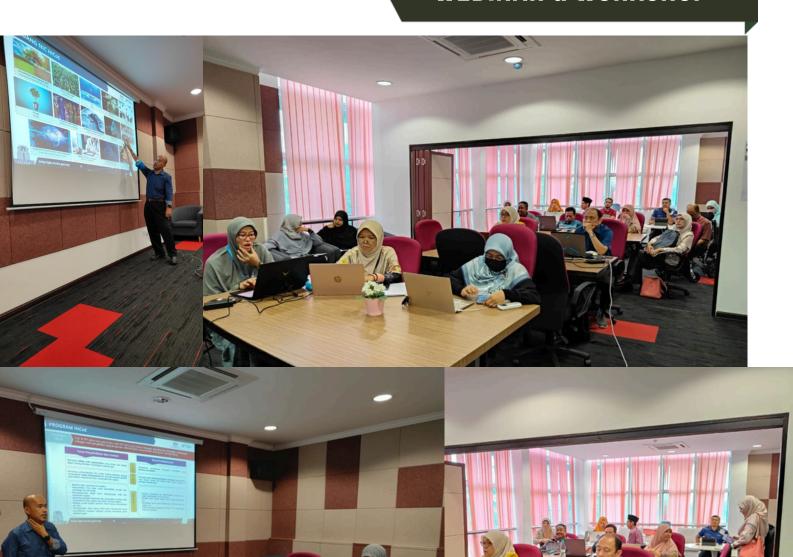
The presentation session was chaired by the Director of I²E, Prof. Ts. Dr. Hj. Mohd Khairul bin Ahmad. While the Head of Centre of Excellence (CoE) and administrative staffs were also present during the presentation session.

Hoping for the best and all the Key Performance Index (KPI) achieved for year 2024.





WEBINAR & WORKSHOP



Institute for Integrated Engineering (I²E) was successfully organized a Higher Education Center of Excellence (HICoE) Workshop for all CoE's in UTHM. This workshop was chaired by the Director of I²E, Prof. Ts. Dr. Hj. Mohd Khairul bin Ahmad. While the invited speaker for this workshop is Prof. Ts. Dr. Rosziati binti Ibrahim, one of HICoE panel as appointed by the Ministry of Higher Education (MOHE).

I²E aim that two (2) CoE's will be upgraded to HICoE for fiscal year 2024 which is Microelectronics and Nanotechnology-Shamsuddin Research Center (MiNT-SRC) and also Advanced Manufacturing and Materials Center (AMMC) with different niche area.

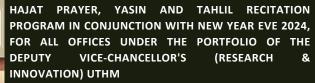






IEE





- 👸 11 JANUARY 2024 (THURSDAY)
- **8.00** AM TO 11.00 AM
- Conference Room Level 1, UTHM Research Centre





ROGRAM SOLAT HAJAT, BACAAN YASIN DAN TAHLIL SEMPENA TAHUN BAHARU 2024, PTJ DIBAWAH PORTFOLIO PEJABAT TIMBALAN NAJB CANSELOR (PENYELIDIKAN & INOVASI) UTHM 11 JANUARI 2024 (KHAMIS) BILIK PERSIDANGAN ARAS 1 PUSAT PENYELIDIKAN UTHM

Global Technopreneur STARS www.icc.uthm.edu.my

Good Governance Rating (GGR) Audit at the Institute for Integrated Engineering. The session was led by Assoc. Prof. Dr. Marlia binti Morsin, Head of MiNT-SRC Centre as a representative to the Director, followed by Madam Nur Faezah binti Mohamed Noor, Senior Assistant Registrar and Mr. Mohamad Fadhil bin Ja'afar, Administrative Assistant.

The auditor team was led by Ts. Dr. Shamsul bin Mohamad, assisted by PM Ir. Ts. Dr. Saifulnizan bin Jamian, Puan Zarina binti Md Ali and Dr. Rohaida binti Mat Akir.



Exhibition of Muar District Agriculture Office in conjunction with the visit of the Honorable Minister of Agriculture and Food Security to the Paddy Cultivation Project in Sawah Ring, Tangkak, Johor.

initiative involves Muar Living researchers, Research Centre for Soft Soils (RECESS), Faculty of Technology and Business Management (FPTP) and Faculty of Engineering Technology (FTK). The exhibition was also attended by collaborators such as Muar District Office, Muar Municipal Council, J-Biotech, Malaysian, Nuclear Agency, SIRIM STV, Sungai Balang Farmers Group and local Khat Entrepreneurs.







Congratulations Principal Researcher (PR) Micoelectronics and Nanotechnology-Shamsudin Research Center (MiNT-SRC), Assoc. Prof. Ir. Dr. Soon Chin Fhong and collaborators UUM) the (UPSI on final presentation of the closing of the Research Excellence Consortium grant (KKP) for Water Pollution Resilience Consortium grant in MOHE.

Micoelectronics and Nanotechnology-Shamsudin Research Center (MiNT-SRC), was successfully organized Ramadhan Talk. This talk was led by Assoc. Prof. Dr. Marlia binti Morsin.

Besides academic and KPI fulfillment, our spiritual and emotional needs also need to be feeds and balanced. Well done MiNT-SRC.



Knowledge Transfer Program by AMMC:

Advanced Manufacturing and (AMMC) Materials Centre was successfully organized a Knowledge Transfer Program (KTP) & Sharing Facilities regarding Pineapple Leaf to Paper Manufacturing Small Medium Enterprise (SME) Industry especially for Pineapple Fiber Thread Business.







INSTITUTE FOR INTEGRATED ENGINEERING (12E) LAMBUK PORRIDGE PROGRAM 2024

Institute for Integrated Engineering Staff Club was successfully organised the Lambuk Porridge Program for year 2024 at Block F6, Research Building, UTHM. This program was organised in conjunction with the month of Ramadhan and was participated by various levels of staff under I2E. This program was led by the Director of the Institute for Integrated Engineering, Prof. Ts. Dr. Hj. Mohd Khairul Ahmad, followed by Head of CoE, Principal Researchers, Administrative Staffs, Laboratory Staffs and also postdoctoral of I2E.



MINT-SRC VISIT TO BUNGE LODERS CROKLAAN, PASIR GUDANG, JOHOR

Assoc. Prof. Ts. Dr Nur Hanis Hayati Hairom, Assoc. Prof. Dr. Marlia Morsin, Ir. Dr. Farhanahani Mahmud and team conducted a site visit to the effluent treatment plant and effluent extraction at an oil palm refinery, Bunge Loders Croklaan, Pasir Gudang, Johor.

The team is conducting research on industrial effluent treatment using nano and membrane technology.



The second secon

VISIT FROM PETRONAS RESEARCH SDN BHD TO MINT-SRC

MiNT-SRC received a visit from Petronas Research Sdn. Bhd. for the purpose of cooperation in the field of research and testing.

MiNT-SRC team was led Prof. Dr. Nafarizal bin Nayan followed by Prof. Ts. Dr. Mohd Khairul bin Ahmad, Dr. Riyaz bin Ahmad and team

VISIT FROM MICRO-NANO SYSTEM ENGINEERING (MNSE) RESEARCH GROUP, UTM TO MINT-SRC

MiNT-SRC received a visit from MNSE Research Group, UTM led by Assoc. Prof. Ir. Ts. Dr. Mohd Ridzuan Bin Ahmad, Dr. Amri Bin Md. Yunus, Dr. Shaharin Fadzli Bin Abd Rahman, Ts. Dr. Mastura Shafinaz Binti Zainal Abidin, Dr. Muhammad Asraf Mansor, Dr. Amirjan Bin Nawabjan & Ms. Gan Shin Pyng.





The Institute for Integrated Engineering as co-organizer for International Conference on Advanced Functional Materials and Devices (AFMD-2024). The main organizer for this conference is the Nanotechnology Research Centre, SRM Institute of Science and Technology (SRMIST), in Chennai, India. This conference was held from 26th until 29th February 2024.

UTHM delegation was led by the Director of I2E, Prof. Ts. Dr. Hj. Mohd Khairul bin Ahmad, followed by Assoc. Prof. Dr. Marlia binti Morsin (Head of MiNT-SRC), staff and postgraduates student.





VISIT TO EVERGREEN FIBREBOARD

Kickoff meeting with Evergreen Fibreboard Berhad on Tree Planting Program in UTHM campus. The program will be conducted in May 2024 by Micropollutant Centre of Excellence (MPRC). MPRC was led by Prof. Ts. Dr. Aeslina binti Abdul Kadir and Dr. Nor Amani Filzah binti Mohd Kamil.



CPTU FIELD TESTING BY RECESS

Research Centre for Soft Soils (RECESS) team was led by Prof. Ir. Ts. Dr. Adnan bin Zainorabidin followed by Mr. Mohamad Johari bin Zainal and Mr. Amirzaki bin Salikin had successfully conducted CPTU Field Testing to obtained quality and accurate data. Cone Penetration Test with Pore Water Pressure Measurement is a geotechnical engineering method used to determine soil properties and delineate soil stratigraphy.





VISIT BY J-BIOTECH GROUP TO UTHM

Congratulations Ts. Dr. Nor Azizi bin Yusoff, may the collaboration between UTHM and J-Biotech continue to be strong for the excellence of research and consultation in the field of biotechnology and biodiversity.



ICOE-RAIL WAS INVITED TO NEW STATION LAUNCHING CEREMONY

Assoc. Prof. Ts. Dr. Joewono Prasetijo, Principal Researcher (PR) for Industry-Centre of Excellence for Rail (ICoE-Rail) was invited to the launching ceremony of the Seremban Sentral New Station, which was officiated by honorable Mr. Loke Siew Fook, Minister of Transport Malaysia. Thank you to DMIA, General Tan Sri Dato' Seri Panglima Mohd Azumi (Rtd.) (Deputy Chairman of Dhaya Maju LTAT Sdn Bhd) and Tuan Haniff Ghazali for invitation and collaboration.





KEYNOTE AND PLENARY TALK IN PAKISTAN

Congratulations Prof. Ir. Dr. Yusri bin Yusof, Principal Researcher (PR) for Advanced Manufacturing and Materials Centre (AMMC) for being invited as Keynote and Plenary Speaker to Quest University of Engineering Nawabshah and Mehran University of Engineering and Technology, Khaipur, Pakistan



ICOE-RAIL WAS INVITED TO NEW STATION LAUNCHING CEREMONY

Well done Assoc. Prof. Ir. Dr. Soon Chin Fhong and Prof. Ts. Dr. Norzila binti Othman from CoE MiNT-SRC and MPRC respectively for successfully attending the UK-CHINA-ASEAN-EASTERN EUROPEAN CONSORTIUM symposium. The 4th and 5th UCAEE IR4.0 and Partnership for Sustainable Development Symposium was held from 14th to 16th January 2024 in College of Arts, Media and Technology, Chiang Mai University, Thailand.





The First 2024 Gathering of EMCenter Principal Researchers (PR)

The Applied Electromagnetic Research Center recently held its initial management meeting, concluding the activities of 2023 and paving the way for more productive endeavors in 2024.

EMCenter visited Alphabet Capital Sdn Bhd.

EMCenter researchers visited Alphabet Capital Sdn Bhd which is located at Mount Kiara. Alphabet capital is a local company, specializes in delivering cutting-edge network devices tailored to the requirements Industry, Enterprise and Consumer.





VISIT BY Dr. JOHN RICHARD PASLEY TO COE'S LABORATORY

Visit to the Centre of Excellence (CoE) Laboratory, Institute for Integrated Engineering by Dr. John Richard Pasley from The School of Physics, Engineering and Technology at the University of York, United Kingdom. Dr. John was taken to visit the Sustainable Manufacturing and Recycling Technology (SMART) laboratory, AMMC, then to the GeoPhysics laboratory and Geo Environment laboratory, RECESS and also the Failure Analysis laboratory, MiNT-SRC.





MINT-SRC visit to JEOL ASIA, SINGAPORE

Training and demonstration of Energy Dispersive Spectrometer (EDS) for UTHM Commercial Laboratory (UCL) in Jeol Asia, Bruker, Singapore. UTHM delegation was led by Assoc. Prof. Ir. Dr. Soon Chin Fhong and followed by MiNT-SRC staffs. This training and demonstration (EDS) was conducted to meet the annual audit requirements of MS/ISO 17025 MiNT-SRC for 2024



MUAR LIVING LAB COFFEE TABLE BOOK HANDOVER

The Muar Living Lab book was handover by Ts. Dr. Nor Azizi bin Yusoff to the Deputy Vice-Chancellor (Research and Innovation), Prof. Ts. Dr. Rabiah binti Ahmad. Also present during this session are Director of the Institute for Integrated Engineering, Prof. Ts. Dr. Hj. Mohd Khairul bin Ahmad and Heads of CoE. May CoS Muar Living Lab continue to move forward and contribute back to the local community.



Credits

Prof. Ts. Dr. Hj. Mohd Khairul bin Ahmad
Ms. Maizatulazrina binti Yaakob

The state of the state