



NEWSLETTER

PUSAT PENGAJIAN KEJURUTERAAN BAHAN DAN SUMBER MINERAL
SCHOOL OF MATERIALS AND MINERAL RESOURCES ENGINEERING



Mr. Mohamad

Assoc. Prof.
Dr. Kamar Shah

Prof. Dr. Azlan Ariffin

Mr. Sharul Ami

Mr. Abdul Rashid

Happy Retirement

CONGRATULATIONS !



Assoc. Prof. Dr. Raa Khimi Shuib-
USM Start-up:
RAA TECHNOLOGY SDN. BHD.



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MINERAL CAMP 1.0

24-27th June 2022: Mineral Camp 1.0 is part of the teaching and learning process of Mineral Resources Engineering students. The camp exposes the students to the real world of mining. Thus, the knowledge gained in the lecture room can be practiced through real-world problems that occur within the field with existing challenges. This camp focuses on geological mapping related to mineral exploration activities. The main objective of this camp is to expose and provide onsite practical working environment experience to the students. To go beyond academics, it is hoped that this camp will broaden students' outlooks and increase their awareness of industrial practice. With the existence of such activities, it is hoped to improve the intellectual and practical knowledge of students on the concept of geological mapping, learning, and experience and at the same time can produce competitive graduates from SMMRE Universiti Sains Malaysia.





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TELEFLEX MEDICAL TALK AND DEMONSTRATION

Teleflex Medical Sdn. Bhd. visited the School of Materials and Mineral Resources Engineering, represented by the HR and training managers on 13th July 2022. The visit was aimed to expose the students to parts and products produced by the medical company and provide insights into career opportunities in the company. Product exhibitions and demonstrations were also held to provide a wider understanding to the students of the processes relating to product manufacturing. Teleflex produces a vast range of polymer-based medical parts, which also played a crucial role during the pandemic era. The visit provided better perspectives on the career opportunities in the industry and enlightens the importance of the academic curriculum in solving real-life industrial problems.



MRSM STUDENTS VISIT SMMRE

Delegate from MRSM consisting of 55 forms five students visited the school on 1st September 2022. The purpose of the visit was to expose the high school students to the relevance of engineering programs offered at SMMRE and provide them with expansive insights into the exciting job opportunities after graduation.





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MEETING WITH THE SELANGOR INTELLECT COMMITTEE OF MINING AND QUARRY

September 2022: A meeting with the committee was led by Ms. Zannifa Azura Ahmad (Head of Economy and Finance) with the presence of Selangor’s MB, held at Bangunan Darul Ehsan, Shah Alam. Representatives from UMK, UniMAP, and JMG Selangor were also present. The meeting was held to introduce the newly appointed committee and their roles in mining and quarrying activities.



AGM AND PGSC PUBLICATION AWARD

Postgraduate Student Club (PGSC) organized the Annual Grand Meeting & Publication Awards 2022 for the academic session 2021/20. The award ceremony aims to recognize the postgraduate student's achievement, especially those who have successfully published their scientific work in the quartile 1 (Q1) and quartile 2 (Q2) journals. In the ceremony, the new PGSC committee for the academic session 2022/2023 was appointed.

All the best to the newly elected PGSC committee!





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VISIT FROM AIRLANGGA UNIVERSITY

A visit from the Faculty of Medicine, University of Airlangga Indonesia was made on 23rd December 2022. The delegate was led by Prof. Dr. Dian Agustin Wahjuningrum, who aimed to create a new network with the school, mainly in materials sciences and engineering for medical applications. The visit was initiated due to the strength of the school in bioceramic research. During the visit, Associate Professor Dr. Khairul Anuar Shariff was appointed as the adjunct professor for the faculty, and a Memorandum of Understanding is planned to be arranged between the two institutions.



COURTESY VISIT FROM AUSTIN POWDERS

15th December 2022: The Mineral Resources Engineering program, USM received a courtesy visit from Austin Powder Malaysia Sdn. Bhd. The Program Chairman, A.P. Dr. Hareyani Zabidi, and Mineral Resources Engineering academic staff welcomed the delegates from Austin Powder Malaysia Sdn Bhd. The visit served as a platform for Austin Powder Malaysia Sdn Bhd to explore potential collaboration and engagement with SMMRE, and USM.





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UPCYCLING WORKSHOP

A workshop on plastic recycling was held on 14th January 2023, attended by 80 Kolej Matrikulasi Pulau Pinang students. The main content of the workshop is utilizing the innovation by Prof. Dr. Zulkifli Mohamad Ariff- a Mini Kiosk for 3D Plastic Recycling. The state-of-art mini kiosk features three main components including a plastic shredder, screw extruder, and 3D printing process. The mini kiosk was acquired by Seberang Perai City Council (MBSP) and was loaned to PPAIPP as a part of the council initiative to increase community awareness of plastic waste and upcycling process.





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MATERIALS PROCESSING SHORT COURSE

The materials processing short course is a compilation of a multiphase program compiling a theoretical syllabus and hands-on experiences in materials processing. The short course was attended by students and teachers from multiple Kolej Vokasional around Malaysia, mainly involved in related courses. This program was initiated in 2019 and is an ongoing event to share knowledge and outstanding facilities available at the school.





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ACADEMIC FELLOW VISITED SMMRE

Dr. Lisman Suryanegara from the National Research and Innovation Agency (BRIN) Indonesia visited the school as a part of the academic fellow routine to follow up and strengthen the academic and research collaborations between SMMRE and BRIN. The 2-day visit was initiated with a series of discussions with the school's top management and Polymer Engineering academic staff and continued with laboratory visits and sharing sessions. Among the discussed topics were the facilities usage in both institutions, researchers' and students' placement at BRIN, and academic visits to both institutions.



INAGURAL VISIT FROM NCER

Delegates from the Northern Corridor Economic Region (NCER) visited the School of Materials and Mineral Resources Engineering to discuss and share information with USM and the involvement in Kedah Rubber City (KRC) project. KRC is developed under the Indonesia-Malaysia-Thailand Growth Triangle (IMT-GT) megaproject. The project opens vast opportunities to staff and students mainly in talent development, research and development collaboration, industrial collaborations, and scaling-up processes. NCER also widens opportunities through industrial and academic networking for the expansion of materials and polymer engineering industries.





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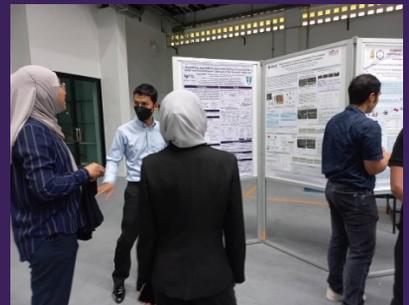
GLOBAL OUTREACH PROGRAMME: USM-PSU

Global Outreach USM-PSU Programme was held from 28th February to 5th Mac 2023 at the Prince of Songkla University, Thailand involving 18 students and 7 officers comprising lecturers and technical staff of the polymer engineering program. The involvement of 18 students consists of 7 postgraduate students and 11 Bachelor's Degree students.



For the visit, the entourage was taken on a visit to two PSU campuses, one in Pattani and the other one in Hatyai. The Faculty of Science & Technology, Prince of Songkla University is situated in Pattani, while at Hatyai Campus – is the Office of Instrument and Testing (OSIT). In addition, we were also taken on a tour of the Tham Talu Enterprise.

The crowd was split into two groups- the group of lecturers was assigned for meetings, discussions on future collaboration, benchmarking on facilities, dual degree programs, and MOA. While the technical group and students visited the laboratories and facilities and were involved in the poster presentation.





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Apart from that, other exciting activities were arranged between PSU and USM students such as joint tele-match activities and cultural performances. Such activities have strengthened bonding among the students and exposed them closely to future networking and collaborations.



The group of lecturers and technical staff were also celebrated and attended by Assoc. Prof. Dr. Kannika Sahakaran, Dean Faculty of Science & Technology, Prince of Songkla University, Pattani Campus with a joint dinner on the first day of arrival at the CS Pattani Hotel.

Huge gratitude to the host- PSU for your cooperation and service throughout the visit. We would like to extend our sincere thank you to the Faculty of Science & Technology, Prince of Songkla University, Pattani Campus for the great welcome and hospitality throughout the trip. We hope that this program will strengthen the bonds between both institutions. We also look forward to more activities and collaborations in the future.





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HOKKAIDO UNIVERSITY COURTESY VISIT

March 2023: The delegate from Hokkaido University consisting of undergraduate students of diverse backgrounds visited the school. The visit was also assisted by two lecturers from the institution. The program was aimed to expose Hokkaido University students to the sustainability and environmental aspects practiced at USM. It also aimed to expand the networking and interaction between the students from USM and Hokkaido University. The visit was initiated with a talk by Dr. Suhaina Ismail on environment and sustainability and continued with a laboratories and facilities tour at the Science and Engineering Research Centre (SERC) USM. The programme was assisted by postgraduate and undergraduate students in a later session.



12TH SCIENCE AND TECHNOLOGY SYMPOSIUM, THAILAND

Congratulations to all winners of the Best Oral and Best Poster presenters at the 12th Science and Technology Symposium (STS2023). The symposium was organized by the Faculty of Science and Technology, Prince of Songkla University (PSU), Pattani Campus. 22 undergraduate and postgraduate students participated in the oral and poster presentations at the symposium which was held on 16th May 2023.





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SEMI SEA UNIVERSITY BOOT CAMP

The SEMI SEA University Boot Camp is a new 3.5-day talent program that introduces future graduates to the semiconductor industry. The boot camp was held at the Olive Tree Hotel Penang from 22nd to 24th May 2023 and at the SETIA Spice Arena on 25th May 2023. Numerous activities and workshops were held during the boot camp, mainly to emphasize four mastery skills including personal, leadership, functional, and business. There were also curated programs from the sponsored companies which invites students on a field trip to their sites. From the School of Materials and Mineral Resources Engineering, a total of 6 students took part in the boot camp which comprises 4 Materials Engineering students and 2 Polymer Engineering students:

1. Muhammad Fikri Bin Muhammad Khair
2. Suhaib Bin Nor Hisham
3. Asyraf Hafizuddin Bin Musa
4. Guneswaran A/L Subramani
5. Teng Ee Vern
6. Lum Kai Er

Original text by: Muhammad Fikri Muhammad Khair





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