

UMT NEWSLETTER

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Ocean of Discoveries for Global Sustainability



In this issue

- ④ UMT Signs MoU with Beibu Gulf University (BGU), China
- ④ UMT, PETRONAS Co-Organize PETRONAS Bedigital Bootcamp 2024 Eastern Zone
- ④ Professor of MIE University, Japan, visits UMT
- ④ UMT, South Korean Experts to Revolutionize Offshore Renewable Energy, Green Hydrogen Technologies
- ④ UMT Achieves Perfect Score in MyMohes Rating



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As we embark upon the first quarter of 2024, we find ourselves on the continuum of progress, with the path to success stretching ahead. Our unwavering dedication to continual improvement compels us to meticulously scrutinize the execution of our strategic plan, ensuring that our trajectory aligns with our year-end performance objectives.

In our relentless pursuit of excellence, we take immense pride in UMT's distinguished recognition by the Ministry of Higher Education. UMT stands unparalleled as the solitary public university in Malaysia to have attained a coveted 5-star rating in MyMohes for the esteemed year of 2023, coupled with an exemplary 100% achievement in Outcome Based Budget assessment.

Acknowledging the pivotal role of global collaboration in today's dynamic landscape of higher education, UMT fervently cultivates partnerships with an array of institutions and organizations. Recent endeavors include the formalization of Memorandums of Understanding (MoUs) and Agreements (MoAs) with esteemed overseas universities, augmenting our collaborative network to unlock boundless opportunities for future endeavors. Remarkably, over the past year, UMT has solidified 23 international MoUs/MoAs and an additional 15 with esteemed national agencies, fortifying our global footprint and amplifying the reach and impact of our academic programs and pioneering research initiatives.

Even as we ascend to the zenith of academic eminence, we remain steadfastly guided by the wisdom imparted by the Honorable Prime Minister of Malaysia who reminds us that universities must never lose sight of their duty to the public. We recognize that as we traverse uncharted realms of knowledge, our duty to our community and society remains sacrosanct. Therefore, our commitment extends far beyond the confines of academia, encompassing groundbreaking research, robust knowledge dissemination, and meaningful societal engagement, all harmoniously aligned with the growth, prosperity, and sustainable development of our beloved nation.



Zukiferee bin Ibrahim
Executive Editor

CONTENTS

- 1 UMT Signs MoU with Beibu Gulf University (BGU), China**
- 2 Professor of MIE University, Japan, visits UMT**
- 3 UMT, South Korean Experts to Revolutionize Offshore Renewable Energy, Green**
- 4 UMT, PETRONAS Co-Organize PETRONAS Bedigital Bootcamp 2024**
- 5 UMT Achieves Perfect Score in MyMohes Rating**

UMT Signs MoU with Beibu Gulf University (BGU), China

Khor Wai Ho, Nurul Hayati Ismail, Institute of Tropical Aquaculture and Fisheries

UMT has recently signed a Memorandum of Understanding (MoU) with Beibu Gulf University (BGU), China. The signing on 28 February at INOS Auditorium marked UMT's expanding collaborative networking into the western part of China, the Guangxi region that shares the same South China Sea with Malaysia, where UMT is located.

As the first activity under the MoU, the 1st International Postgraduate Symposium on Ocean Sustainability (IPSOS) was held from 28 February till 1 March 2024 at the Institute of Tropical Aquaculture and Fisheries (AKUATROP), UMT.

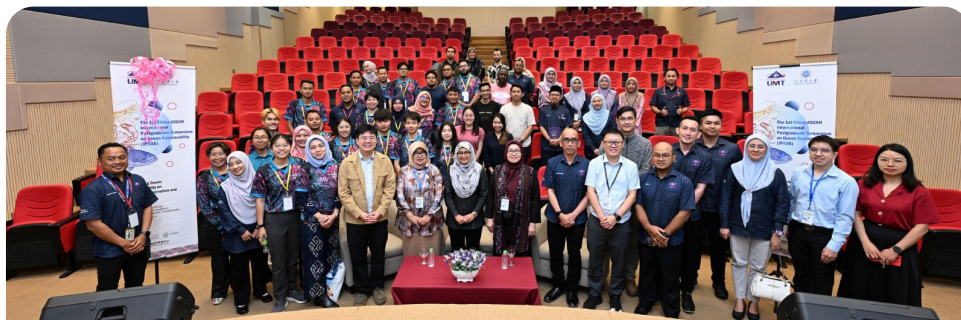
Serving as the Chair and Co-Chair of the event were UMT's Dr. Khor Wai Ho and BGU's Prof. Billy Kwan Kit Yue, respectively. The symposium's aims was to provide a platform for postgraduates to familiarise themselves with the research world.

The idea for the symposium was discussed by Dr. Khor and Prof. Billy last year after they met each other at the International World Marine Biodiversity conference. They noticed the postgraduates presented their research haphazardly, did not really understand the questions asked by the audience, and did not know how to interact with others.

IPSOS was financially supported by AKUATROP and the International Office, UMT, and BGU. Also participating in the symposium were three marine-related institutions in the region, which are also UMT's partner universities, namely Hasanuddin University (Indonesia), Kasetsart University (Thailand), and Prince of Songkla University (Thailand).

IPSOS revolved around ocean sustainability, in line with UMT's slogan **"Ocean of Discoveries for Global Sustainability"**.

To maximise participants' learning experience, IPSOS was conducted using an unconventional method: participants were given activities to get to know each other prior to research sharing sessions, Questions & Answer (Q&A) sessions were converted into meaningful and realistic discussion sessions among themselves, and accompanying lecturers provided guidance on research framework and discussion themes.



The number of participants was limited to 3-5 per institution to ensure each participant would receive sufficient guidance and opportunities. As a result of smaller groups, the thematic sub-sessions that grouped similar research together, and the friendship and network already formed beforehand, all participants actively took part in the discussion sessions, obtaining meaningful insights for improving their research framework and results.

Feedback from participants largely indicated that they have learnt so much academically and improved their social and problem-solving skills as well.

IPSOS also provided an excellent opportunity for researchers around the region to expand their network and discuss research topics relevant to the shared marine ecosystems and/or organisms within the South China Sea.

BGU volunteered to be the host for IPSOS 2025, and five best presenters from each of the five participating institutions will receive financial support to join the upcoming symposium.

Professor of MIE University, Japan, visits UMT

Mohamad Jamil Rasyidi Mohd Ramlan, Centre for Transformation, Strategic and Risk Management



Prof. Dr. Chihari Nakashima of Mie University, Japan, has visited UMT recently to discuss a potential partnership between UMT and Mie University.

During the meeting on 27 February, Prof. Dr. Chihari Nakashima had a discussion with several UMT staff. One of the main topics covered was the partnership on the SciLet (Scientific, Local, and Environmental Talented Staff) initiative. The programme is specifically designed for individuals who meet the requirements of a given course in the "regional environmental science field," with the goal of equipping them with the knowledge and abilities necessary to work in specialized environmental positions in corporations and administrative agencies.

UMT students or non-students can learn about local and global environmental challenges as well as the Sustainable Development Goals (SDGs) via SciLets, an online academic programme. After completing the course, the participating students will receive a certificate designating them as a Science, Community, and Environmental Human Resources Analyst/Expert. The program is accessible to all participating students through online video lectures.

"This programme offers staff, students, and the local community additional value and recognition," says UMT Vice Chancellor Professor Dato' Dr. Mazlan Abd

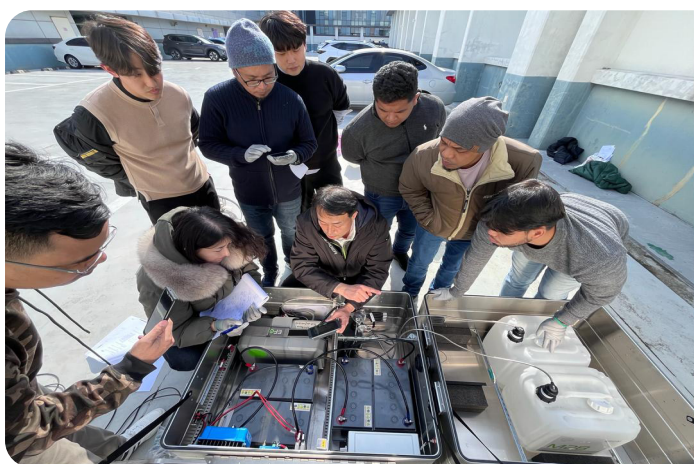
Ghaffar. "Since UMT has been chosen to take part in this programme, I sincerely hope that many participants can take advantage of and utilize this platform to the fullest."

Associate Professor Dr. Chia Poh Wai, head of UMT's Sustainable Management Centre, said the online programme is in line with the SDG goal and UMT niche area, particularly with regard to SDG14 (Life below Water), which aims to conserve and promote sustainable use of the oceans, seas, and marine resources, and SDG15 (Life on Land), which aims to protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

Also present during the discussion were Pro Vice Chancellor Professor Dr. Tengku Sifzizul Tengku Muhammad (Strategy and Performance), Director of Strategic Planning Transformation Centre Associate Professor Dr. Mohd Nazli Mohd Nor, Director of UMT Academic Development and Management Centre Prof. Ts. Dr. Noor Maizura Mohamad Noor, Director of the UMT Life Professor Dr. Hafiza Aishah Hashim, Head of the E-Learning Centre Associate Professor Dr. Siti Nor Khadijah Addis, and assistant registrar of Sustainable Management Centre Mohamad Jamil Rasyidi Mohamad Ramlan.

UMT, South Korean Experts to Revolutionize Offshore Renewable Energy, Green Hydrogen Technologies

Profesor Madya Dr. Mohd Asamudin A. Rahman,
Faculty of Ocean Engineering Technology



UMT research group led by Deputy Vice-Chancellor (Academic & International) Prof. Ts. Dr. Mohd Zamri Ibrahim has embarked on pioneering collaborations with experts from South Korea, with the aim of advancing offshore renewable energy and green hydrogen technologies.

In collaboration with PETRONAS, GICON, and BGAIN, UMT is pioneering efforts to revolutionize offshore renewable energy in Malaysia. Their collaboration represents a pivotal step forward in Malaysia's journey towards offshore renewable energy solutions.

At the heart of this collaboration is the introduction of the Ocean Data Acquisition System (ODAS) technology to Malaysia. Recognized as a transformative tool with the potential to revolutionize energy exploration, ODAS will play a crucial role in advancing Malaysia's offshore renewable energy sector. As part of the collaboration, BGAIN is conducting an intensive training on ODAS, held in Seoul and Donghae-City, South Korea, to deepen participants' understanding of ODAS and its applications, empowering them to innovate and drive progress in Malaysia's renewable energy industry.

Besides its collaboration with BGAIN Co., Ltd., UMT is also making significant progress in green hydrogen technology through a partnership with OMAHAMS Corp. This collaboration highlights UMT's strong dedication to finding sustainable solutions for Malaysia's changing energy demands.



Through a comprehensive site visit to Changwon City's cutting-edge hydrogen infrastructure and an in-depth exploration of Bumhan Fuel Cell, UMT researchers and experts are gaining firsthand insights into the practical applications and real-world implications of green hydrogen technology. By actively engaging in practical experiences and leveraging the extensive expertise offered by OMAHAMS Corp., UMT is solidifying its position at the forefront of the green hydrogen revolution in Malaysia.

Meanwhile, the collaboration between UMT and Changwon National University (CNU) is centred on fostering academic exchange and innovation in the field of green hydrogen technology.

Through this partnership, UMT and CNU are dedicated to advancing research and practical applications in green hydrogen. Academic exchange programs enable researchers and students to collaborate on joint projects, experiments, and idea exchange, sharing expertise and resources.

By fostering academic exchange and collaboration, UMT and CNU are not only strengthening their research capacities but also contributing to the global effort to transition towards a sustainable energy future driven by green hydrogen technologies.

UMT, PETRONAS Co-Organize PETRONAS Bedigital Bootcamp 2024 Eastern Zone

Azizulyadi Yaakop, Nor Fazliyana Mahtar@Mohtar, Muhamad Syahril Hafiz Ahmad Halim, Centre for Graduate Entrepreneurship and Employability (UMT-GEM)



A symbiosis between a university and an industry was on display when UMT and PETRONAS jointly organized the PETRONAS BeDigital Bootcamp 2024 Eastern Zone programme.

The 12-day programme coordinated by the Centre for Graduate Entrepreneurship and Employability (UMT-GEM) was held at UMT campus from 21 February 21 until 6 March.

The participants were 98 students from UMT, Universiti Sultan Zainal Abidin, Universiti Malaysia Kelantan, Universiti Malaysia Pahang Al-Sultan Abdullah, and Universiti Teknologi Mara.

UMT was appointed by PETRONAS to host the programme for the second year in a row.

The opening ceremony was officiated by Mrs. Maria Teo, Senior General Manager of Global Human Resource Partners, Project Implementation & Technology (PD&T), PETRONAS. Next, a leadership sharing session was conducted by Mr. Suhaimi Ahmad, General Manager of the Department of Safety, Health, and Environment (HSE), Project Implementation and Technology (PD&T), PETRONAS.

The programme which was open to final year students aimed to generate digitally literate students to meet current and future job demands in the market. The programme also exposed the students to real digital entrepreneurship opportunities, hence increasing their marketability as fresh graduates.

When the programme concluded, four UMT students received job offers from the programme partners. Mawar Elisha Azaliman from the Faculty of Computer Science and Mathematics received an offer to work at Primula Beach Hotel as a Management Trainee. Ariezan Zainal Ariffin from the Faculty of Business, Economics and Social Development obtained a job offer at Golden Pharos Berhad as an Operations Executive. Nicholas Chan Chee Kin from the Faculty of Computer Science and Mathematics received an offer to be an intern at Ernst and Young in Technology Consulting. Wan Muhamad Khairi Azizi Wan Ibrahim from the Faculty of Business, Economics and Social Development obtained an offer to work at Permai Hotel Kuala Terengganu as Junior Sales Executive.

The Best Camper (Woman) Award was handed to a student from the Faculty of Maritime Studies, Nurul Hani Amirah Rahim, who will undergo industrial training with Petronas soon.

PETRONAS BeDIGITAL Bootcamp was successfully completed through a joint effort between UMT and the energy company, showing that collaborations between industries and public universities in Malaysia can be beneficial. Future collaborations may focus on the development of digital and entrepreneurial fields operated by Petronas Digital Sdn. Bhd. as well as various partners, such as Seed.Lab and Petrosains, which are in line with the recommendation of the Ministry of Higher Education to strengthen the field of STEM (Sciences, Technology, Engineering, and Mathematics).

UMT Achieves Perfect Score in MyMohes Rating

Rozita Alias@Abdul Latiff, Corporate Communication Office

UMT has attained a remarkable achievement in the 2023 Public University Data Collection System (MyMohes) rating results that were published recently this March.

Not only did UMT achieve a five-star rating, but it was also the only public university among the 20 in the country to have scored a mark of 100 percent.

UMT Vice Chancellor Prof. Dato' Dr. Mazlan Abd Ghaffar said the excellent results were the fruit of hard work by everyone at UMT who had relentlessly assisted in the quality preparation, dissemination, and storage of data.

Prof. Mazlan said he was grateful for the achievement and thanked and congratulated the UMT community who are always committed to ensuring UMT achieves the best it can.



"I hope we will continue to be committed in this so that the data submitted is accurate and most recent and reflects the true achievement of UMT as already outlined in the latest UMT Strategic Plan," Prof. Mazlan said.

He added UMT will continuously strive to achieve more successes whether at the national or international level. The results of the rating were announced by the Ministry of Higher Education during the Data Quality Meeting held at Zamrud Hall, Universiti Malaysia Sarawak, on 7 March 2024.

MyMohes was introduced by the ministry with the aim of evaluating the preparedness and ability of higher education institutions in the country in the dissemination of information and storing of data relating to students, staff, and research.

The rating is completed based on several criteria, which are accuracy (25 percent), completeness (25 percent), consistency (20 percent), credibility (10 percent), and recency (20 percent).

UMT has achieved various recognitions since its establishment, including being ranked in the Times Higher Education (World University Rankings), Times Higher Education (Impact Rankings), Times Higher Education (University Rankings By Subject), QS World University Rankings, QS University Rankings (Asia), UI GreenMetric, Malaysia Research Assessment (MyRA), and Rating System for Malaysian Higher Education Institutions (SETARA).



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Payment Deadline:
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KEYNOTE SPEAKERS



Assoc. Prof. Dr. Mohd Asri Mat Teridi
Solar Energy Research Institute (SERI),
Universiti Kebangsaan Malaysia



Dr. Irwanda Wisnu Wardhana
Research Center for Cooperative, Corporation,
and People's Economy,
Indonesia National Research and Innovation
Agency (BRIN)

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The 2nd International Conference on Emerging Technologies and Sustainability (ICETS 2024) is a collaboration conference organized between Universiti Malaysia Terengganu (UMT), Malaysia, and Universitas Pamulang (UNPAM), Kota Tangerang, Indonesia.

FEES

No.	Categories	Fee
1.	Local Indonesian Presenter (Physical)	IDR 500,000.00
2.	UMT Presenter (Physical)	MYR 150.00
3.	International Presenter (Physical)	USD 100.00
4.	UNPAM Student Participant (Physical)	IDR 75,000.00
5.	Local Indonesian Presenter (Virtual)	IDR 250,000.00
6.	UMT Presenter (Virtual)	MYR 75.00
7.	International Presenter (Virtual)	USD 50.00

PUBLICATION OPPORTUNITY

All accepted, paid and presented papers from ICETS 2024 articles will be submitted in one of the following journals, depending on the scope of the papers. ALL journals are indexed in SCOPUS.

- Journal of Advanced Research in Applied Sciences and Engineering Technology
- Journal of Advanced Research in Fluid Mechanics and Thermal Sciences
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