

# 1<sup>st</sup> EDITION UiTM GLOBAL PENANG Newsletter

## GLOBAL INSIGHTS: NAVIGATING UNIVERSALITY WITH UiTM PULAU PINANG



UNIVERSITI  
TEKNOLOGI  
MARA

UiTM Global @ Office of International Affairs,  
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Malaysia.

## Enhancing Research and Innovation Visibility through PIID 2023

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The Penang International Invention, Innovation and Design (PIID 2023) Competition was held from 16 to 18 May 2023 at Dewan Besar, Universiti Teknologi MARA (UiTM) Pulau Pinang Branch, Malaysia. This event was organised by the Research Management Unit in collaboration with the Centre for Civil Engineering Studies, UiTM Pulau Pinang Branch to serve as a platform for students, academicians, industries, and professionals to highlight innovation, invention and design in their respective fields related to science, technology, engineering, mathematics and social sciences. It is also in line with the government’s policy to encourage research activities in Malaysia and to meet the Sustainable Development Goals.

This event was organised to encourage product commercialisation, the sharing of ideas, and the development of inventions and design. The competition was evaluated by juries from the industry and academia with vast experiences in innovation, commercialisation, and research. PIID 2023 promoted the theme ‘Energising Sustainable Future Through Social Entrepreneurship and Innovation Technology’.

Consequently, this event helped to promote a research and innovation culture among students from local and international schools, as well as academicians and researchers from institutions of higher learning and technical institutions. Furthermore, PIID 2023 aimed to cultivate invention, innovation, and design towards commercialisation at local and international levels in order to enhance visibility of the research and inventions.

During this event held in May 2023, PIID 2023 successfully gathered 303 teams involving both local and international participants from various fields of research and institutions. Five students from the Department of Civil Engineering, Faculty of Engineering and Computer Science, **Bakrie University, Indonesia** also participated in the PIID 2023 event by sharing and presenting their innovative product entitled “Early Warning System with Small-Scale Vibration Detection Tool as Mitigation of Earthquake Disasters, Especially in The Cimandiri Fault Area and Training Earthquake Mitigation”. This innovative product can detect seismic activity as early as possible, initiate rapid response measures, raise public awareness about earthquake risks, and enhance community resilience in the face of earthquake disasters. The involvement of international participants provided an opportunity for collaboration, especially for UiTM researchers with international partners in addressing global challenges towards the enhancement of the social community.

Judging session for international participants from Bakrie University, Indonesia.





In conjunction with PIID 2023, this event also organised a keynote session delivered by Dr. Arthit Petchsasithon from the **Department of Civil Engineering, Faculty of Engineering, King Mongkut's Institute of Technology Ladkrabang (KMITL), Bangkok, Thailand**. Dr. Arthit's presentation focused on his experience in research related to the finite element analysis of shell structures. This session attracted an audience from various levels of researchers, including those from primary, secondary, higher education, and professional backgrounds, as his research involved a different perspective on adopting shell structure technology in building applications. Additionally, he was appointed as one of the invited judges for PIID2023 to assess the performance of the participants.



Delegation from Universitas of Malang, Indonesia.



Keynote session, Dr. Arthit Petchsasithon from King Mongkut's Institute of Technology Ladkrabang (KMITL), Bangkok, Thailand.

PIID2023 also served as a platform to increase the knowledge transfer to the social community around Pulau Pinang and beyond by inviting not only the research community but also the public society. Everyone was cordially invited to visit the exhibition booths throughout the two-day event. A group of delegates from **Universitas of Malang, Indonesia** also visited the exhibition booths to review the excellence of innovation and invention presented in this event.

Overall, collaboration with researchers from different countries fosters wider and stronger knowledge transfer in addressing global and local challenges. Furthermore, such collaboration enhances cultural exchange, develops mutual understanding, and stimulates positive cooperation among nations. The internationalisation activities and collaborations initiated by UiTM Pulau Pinang Branch are aimed at transforming the university into a Globally Renowned University by 2025).



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