



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Malaysia-Japan
International
Institute of Technology
(MJIIT)

INTERNATIONAL INDUSTRY- ACADEMIA-GOVERNMENT COLLABORATION INITIATIVES AND CASE REPORTS: MJIIT UTM PERSPECTIVES

Global Technology Initiative
Consortium Symposium 2022
9th Dec. 2022

Shibaura Institute of Technology



Ali Selamat

Malaysia Japan International Institute of Technology
(MJIIT)

Universiti Teknologi Malaysia

email: aselamat@utm.my

innovative • entrepreneurial • global

UTM Main Campuses



UTM Johor Bahru
(1145 hectares) – main campus



UTM Kuala Lumpur Campus – branch (19 hectares)



UTM Campus – Pagoh
Innovation Centre in Agritech for
Advanced Bioprocessing (ICA)





01.



A PART OF MALAYSIAN GOVERNMENT INITIATIVES FOR LOOK EAST POLICY

02.



A G-G PROJECT AIMS TO SET UP AN EDUCATIONAL INSTITUTE IN MALAYSIA OFFERING JAPANESE ORIENTED ENGINEERING EDUCATION

VISION

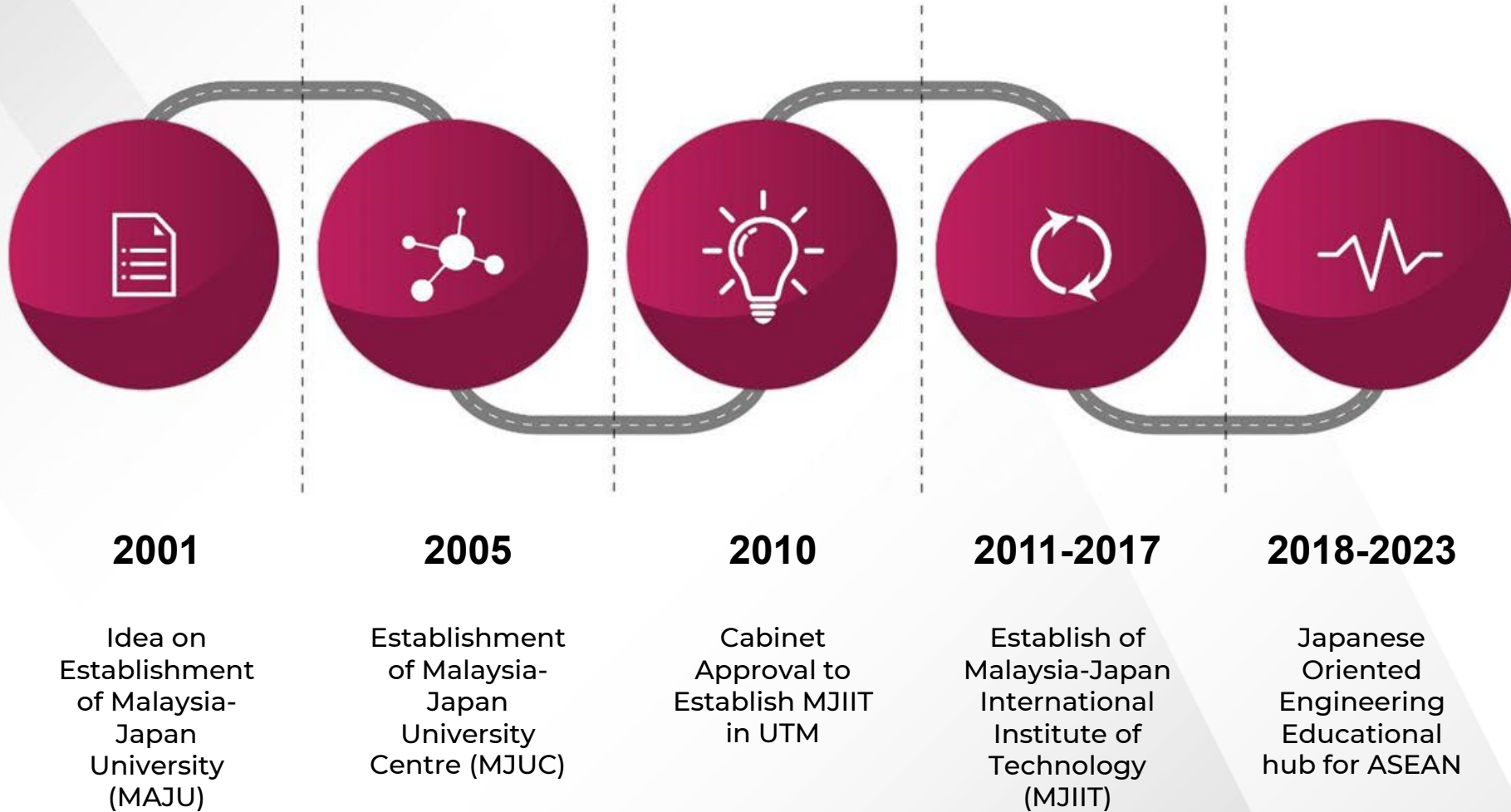
Leading in cutting edge technology education and research

MISSION

Providing Japanese style engineering education blended with Malaysia distinctiveness for sustainable industry and society

Leading in academic and research excellence in Electronics, Precision, Environmental & Green Technology and Management of Technology

CHRONOLOGY ESTABLISHMENT OF MJIIT: A G-G PROJECT



JAPANESE ORIENTED ENGINEERING EDUCATION



Society 5.0: The Japanese Advantage

- Abundant accumulation of real data
- Technology cultivated from "monozukuri"

In-line with Malaysian Education Blueprint (MEB) 2015-2025

Ethics & Spirituality

Leadership Skills

National Identity

Language Proficiency

Thinking Skills

Knowledge

Developing Holistic Human Resources in-line with MEB, HE 4.0 and Society 5.0

HE 4.0

- Globalization through Jukebox
- Holistic and balanced graduates through *i-Kohza* and Ningen Ryoku

JAPANESE-STYLE ENGINEERING EDUCATION

UTMKL - MJIT



- Collaborative *i-Kohza*
- Joint Research
- Scholarship, etc.
- Sangaku Renkei Lab



i-KOHZA (Senpai-Kohai mentoring concept)

Engineering Discipline

- Publication/Patents
- Rinkoh
- Lab Management
- Management of Tech.

JAPANESE LANGUAGE

- Final Year Project
- Industrial Training & Capstone
- Fund, Knowledge & Skills

Mobility Program

- 5S & Kaizen
- Monozukuri *ものづくり*
- Ningen-Ryoku *にんげんりょく* for Values



- Collaborative *i-Kohza*
- Joint Research
- Joint Supervision
- Double / Joint Degree
- Global Mobility Program, etc.
- Jukebox program

International students from Japan, ASEAN and Middle East



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OVERVIEW:

**INTERNATIONAL INDUSTRY-ACADEMIA-GOVERNMENT
COLLABORATION INITIATIVES @ MJIIT UTM**



**At UTM MJIIT, AIMS4STAR is supported by the establishment
of :
Sangaku Renkei Unit
(Also know as Malaysia Japanese Linkage Office)**

MJIIT UTM as a collaborator for the programme on Look East Policy 2.0



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JAAM-ASM-JSPS STIE SYMPOSIUM

TOWARDS ENHANCED PARTNERSHIP AND COOPERATION IN THE NEW FRONTIER

23 July 2022 Saturday 09:00- 12:30 pm (UTC/GMT +8.00) Akademi Sains Malaysia Kuala Lumpur

Pre-Register Here: shorturl.at/gFRXY

Prof. Ts. Dr. Ali Selamat Dean Malaysia Japan International Institute of Technology (MJIIT) Universiti Teknologi Malaysia	Prof. Dr. Maki Tsujimura Executive Officer in International Education Initiative, Director of Branch Campus Preparation Office, University of Tsukuba	Dr. Kentaro Ando Director in charge of International Research in the Western Pacific Region, Japan Agency for Marine- Earth Science and Technology (JAMSTEC)	H.E. Mr. Hiroyuki Orihara Consul-General, Consulate-General of Japan in Penang, Malaysia
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Opening Remarks by:
H.E. Mr. Katsuhiko Takahashi, Ambassador of Japan to Malaysia
Prof. Emerita Datuk Dr. Asma Ismail, President of JAAM
Mr. Yoshihide Miwa, Governing Director, HQ International Affairs of JSPS

Moderated by:
Prof. Dato' Dr. Alleen Tan
Secretary
JSPS Alumni Association Malaysia

Co-organizers: UTM, University of Malaya, UMT, etc.



Opening by H.E. Japan Ambassador to Malaysia



MJIIT Sharing at the seminar



Photo Session with the guests



MJIIT UTM @ Bulletin LEP 2022, Japan Embassy in Malaysia



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Embassy of
Japan
in Malaysia

THE 40TH ANNIVERSARY OF THE LOOK EAST POLICY



40TH
ANNIVERSARY OF THE
**LOOK EAST
POLICY (LEP)**

- UP TO NOW AND FROM NOW -

**JAPAN AND MALAYSIA
FIRMLY CONNECTED BY
"LEARNING"**

THE 40TH ANNIVERSARY OF THE LOOK EAST POLICY

LETTERS FROM MALAYSIAN STUDENTS IN JAPAN

Mr. Sri Sharmin Baskaran

National Institute of Technology (KOSEN), Gifu College, Diploma in Civil and Environmental Engineering [2017-2020]
Toyohashi University of Technology, Bachelor's in Civil Engineering [2020-2022]

From a very early age, the Petronas Twin Towers left a big impression on me and the fact that one of the towers was built by a Japan-based consortium inspired me to study in Japan. My time in Japan has to be one of the best moments in my life so far as it not only gave me the opportunity to study in my field of interest but also allowed me to appreciate the country and culture better. I am very grateful to have gotten this chance and hope to make good use of the wisdom I gained from my experiences in Japan.



Ms. Ang Kai Torng

National Institute of Technology (KOSEN), Nara College, Department of Chemical Engineering [2015-2018]
Okayama University, Faculty of Engineering, Department of Applied Chemistry and Bio Engineering [2018-2020]
Osaka University, Graduate School of Engineering, Department of Biotechnology (Master) [2020-2022]
Osaka University, Graduate School of Engineering, Department of Biotechnology (PhD) ADMISSION [2022-present]



I still remember the year when I first came to Japan, the scenery outside the window during the Shinkansen trip has always been deeply engraved in my mind, especially the blossoming of cherry trees all over the street. I am always grateful that I am able to meet many kind and helpful people who supported me throughout my life in Japan. I will be enrolled as a PhD student in Osaka university starting from next spring and I hope that my research could contribute to the society in the future.

MALAYSIA – JAPAN INTERNATIONAL INSTITUTE OF TECHNOLOGY (MJIIT): JAPANESE-STYLE ENGINEERING EDUCATION IN MALAYSIA



If you would like to study Japanese-style engineering in Malaysia, MJIIT is for you! Established in 2011, MJIIT consists of Japanese academic staff and provides world-class educational programmes through research in Japanese-style laboratories, industry-university collaboration, joint research with the Japanese University Consortium (JUC), double degree programmes, student exchange, and faculty dispatch.

In collaboration with the Look East Policy, MJIIT will develop skilled talents who will be leaders of the future generations in Malaysia.



STRATEGIC PARTNERSHIP IN RESEARCH & HIGHER EDUCATION



Higher education is the foundation of a country's economic and social development. Under the LEP, around 9,000 Malaysian students have studied at Japanese higher education institutions. When the Asian financial crisis of 1997 made it difficult to continue the program, the Japanese Government provided financial assistance to Malaysia to support the continuation of scholarships for the students.

In 2012, Malaysia - Japan International Institute of Technology (MJIIT) as the first higher education institute that provides Japanese-style engineering education in Malaysia, was established under Japan's ODA. MJIIT has Japanese academic staff and provides world-class educational programs through research in Japanese-style laboratories, industry-university collaboration, joint research with the Japanese University Consortium (JUC), double degree programs, student exchange, and faculty dispatch.



Contribution to fight against COVID-19 from scientific aspect by MDRM graduates



Joint research activities with Malaysian universities and Japanese universities

MJIIT also contributed to the fight against COVID-19. Its laboratory developed personal protective equipment (PPE) and Master of Disaster Risk Management (MDRM) participants were active in the field.

Seven SATREPS (Science and Technology Research Partnership for Sustainable Development) projects have been adopted in Malaysia to conduct research on global issues such as disaster risk reduction, biodiversity, high value-added palm oil products, and the realization of a low-carbon society.

MINISTRY OF FOREIGN AFFAIRS JAPAN VISIT TO MJIIT UTM



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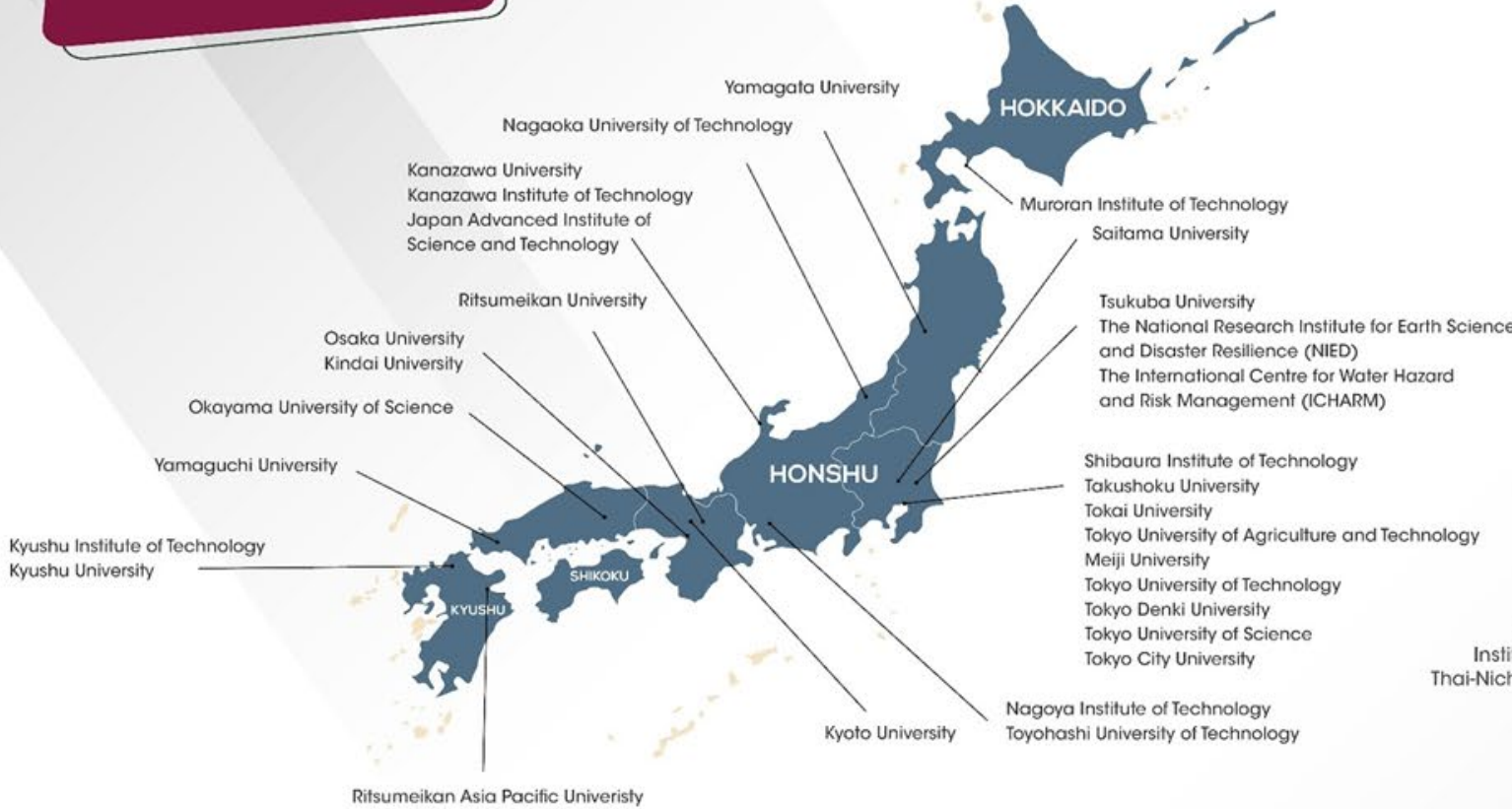
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Courtesy Visit by Minister for Foreign Affairs of Japan to UTM-MJIIT to Strengthen the Bilateral Relationship Between Japan & Malaysia

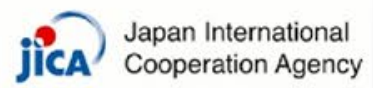
9th October 2022

ACADEMIA-ACADEMIA COLLABORATION (UNIVERSITY CONSORTIUM)



(JUC)

30 Japanese Partner Universities
5 Partner Government Agencies



Malaysia University Consortium - MUC UNIVERSITY

Total Universities: 15
Total Members: 34



Universiti Utara Malaysia (UUM)



Universiti Sains Malaysia (USM)



Universiti Putra Malaysia (UPM)



Universiti Teknologi MARA (UiTM)



Universiti Kebangsaan Malaysia (UKM)



Universiti Malaya (UM)



Universiti Pertahanan Nasional Malaysia (UPNM)



International Islamic University Malaysia (IIUM)



Universiti Sains Islam Malaysia (USIM)



Universiti Malaysia Kelantan (UMK)



Universiti Malaysia Terengganu (UMT)



Universiti Sultan Zainal Abidin (UNISZA)



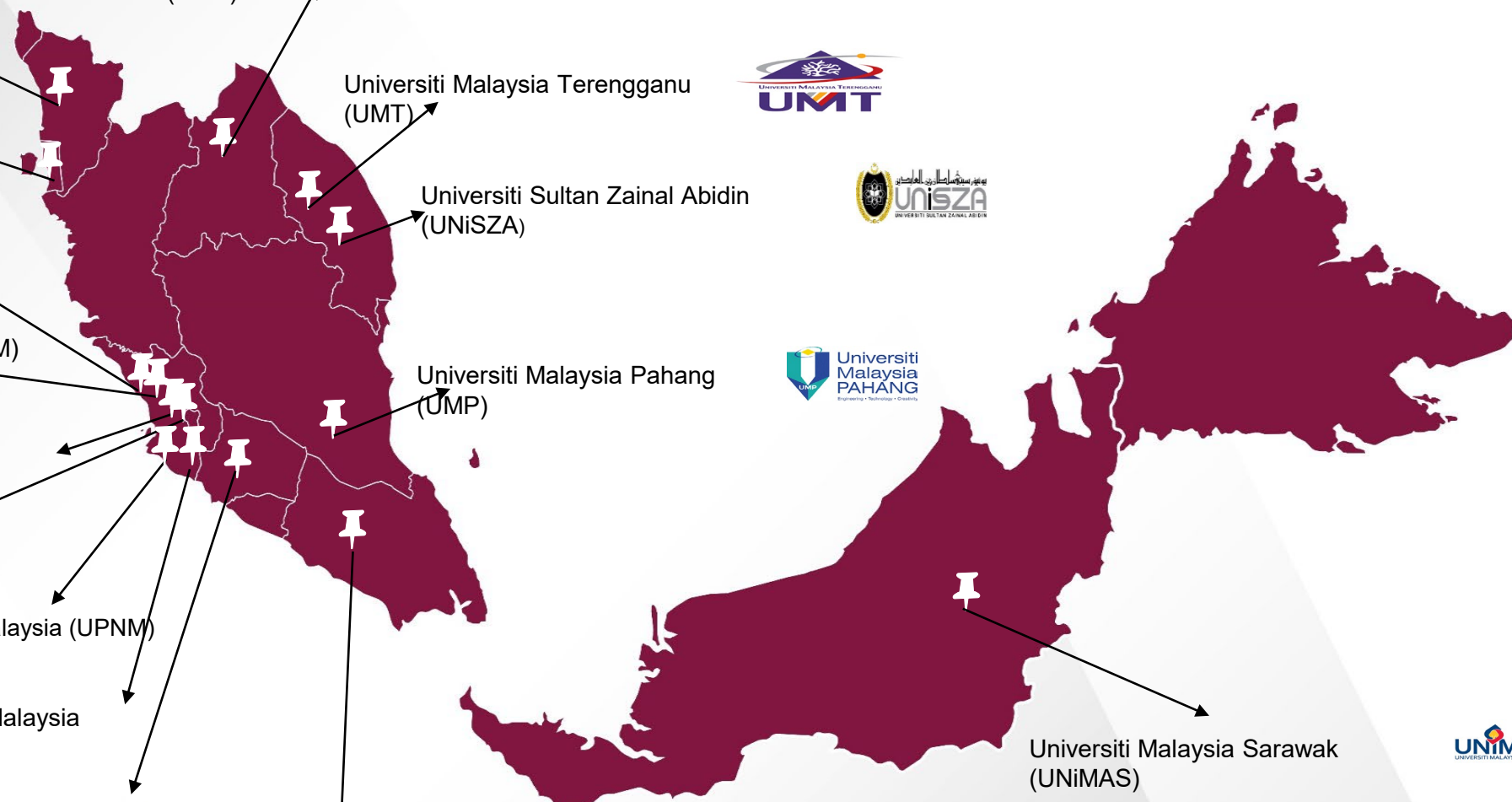
Universiti Malaysia Pahang (UMP)



Universiti Malaysia Sarawak (UNIMAS)



Universiti Teknologi Malaysia (UTM)



ASEAN UNIVERSITY CONSORTIUM (AUC)



THAILAND

- Sirindhorn International Institute of Technology (SIIT)
- Thai-Nichi Institute of Technology

INDONESIA

- Universitas Gadjah Mada (UGM)
- Universitas Subang



PHILIPPINES

- De La Salle University

VIETNAM

- Vietnam Japan University
- VNU University of Science

OTHER COUNTRIES

- Discussions in progress

ACADEMIA-INDUSTRY COLLABORATION

HITACHI

Air conditioning solutions

**Johnson
Controls**



高砂熱学工業株式会社
Takasago Thermal Engineering Co.,Ltd.

カワイサウンド技術
KAWAI FOUNDATION FOR SOUND TE



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JASTIP

Japan - ASEAN
Science, Technology and
Innovation Platform



IHI



ROHM
SEMICONDUCTOR



MOTION & CONTROL™
NSK
日本精工株式会社



Panasonic

Research funding agencies and industries that support **international
collaboration**



Conferences on Advanced Technology and Applied Science (ICaTAS), Malaysia-Japan Joint International Conference (MJIC) and, University-Industry-Government Partnership for Environmental Resilience and Sustainability (UIG2021), Kuala Lumpur on 25th- 26th October 2022.



Mineral dan Geosains Dept. Malaysia-UTM: Early warning system for landslide
01 Jan 2022 - 31 Dis 2024



MPAJ-UTM: Project of Preventing Future Landslide Disaster Risk By Science, Technology And Innovation In Selangor (PREVENT-LANDSLIDE) 22 Sep 2021 - 21 Disember 2022



シヤパンデー
JAPAN DAY
2022
 27 December

Connecting Industry Through Innovation

- Industry Exhibition Booth
- Student Booth
- Japanese Culture Activity
- Open iKhoza

09:00 am - 04:00 pm
 Venue: Grand Banquet Hall,
 Level 6, Residensi UTMKL

OPEN
TO THE PUBLIC

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Datin Huzaimah - huzaimah@utm.my
MJIIIT Office - 03-2203 1517

FOR MORE INFO





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Thank You

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