

**RESEARCH MANAGEMENT CENTRE  
UNIVERSITI TEKNOLOGI MALAYSIA**

**LIST OF PRODUCT**

**EXHIBITION : MALAYSIA TEKNOLOGY EXPO (MTE) 2014**

**PLACE: PUTRA WORLD TRADE CENTRE (PWTC), Kuala Lumpur**

**DATE: 20-22 FEBRUARI 2014**

26 PRODUCT	
SPECIAL AWARD	1
GOLD	6
SILVER	9
BRONZE	10
	1

BIL	PRODUCT	NAME	FACULTY	RA	RESULT
1	Algorithm of Boundary Layer Flow in Viscoelastic Fluid (BLFV)	Assoc. Prof. Dr. Sharidan bin Shafie	FS	NANOTECHNOLOGY	SPECIAL AWARD & GOLD
2	Badminton Agility Training and Testing Device (BATTD)	Dr. Dayang Hajah Tiawa Bte Awang Hj Hamid	FP	K-ECONOMY	Gold
3	Compact Rehabilitation Robot	Dr. Yeong Che Fai	FKE	MATERIAL & MANUFACTURING	Gold
4	Compact Magnetorheological (MR) Valve	Ir. Dr. Saiful Amri bin Mazlan	MJIIT	MATERIAL & MANUFACTURING	Gold
5	A Novel Grucac for Co2 Methanation in Natural-Flue Gases	Assoc. Prof. Dr. Rusmidah bt Ali	FS	SUSTAINABILITY	Gold
6	Carbon Nanotubes Production using Rich Flame	Dr. Chong Cheng Tung	FKM	TRANSPORTATION	Gold

BIL	PRODUCT	NAME	FACULTY	RA	RESULT
1	Innovative Estimation System for Seagrass Biomass using Remotely Sensed Data	Prof. Dr. Mazlan bin Hashim	FGHT	SUSTAINABILITY	Silver
2	Polymer Columns – Foam Core Sandwich Panel	Dr. Mohd Yazid bin Yahya	FKM	TRANSPORTATION	Silver
3	Software of Product Sustainability Evaluation Tool (PROSET)	Assoc. Prof. Dr. Muhamad Zameri bin Mat Saman	FKM	MATERIAL & MANUFACTURING	Silver
4	Intelligent Urban Shuttle	Dr. Hairi bin Zamzuri	RS	MATERIAL & MANUFACTURING	Silver
5	Internet Of Thing (IOT) Application In Urban Agro Led Farming Technology	Assoc. Prof. Dr. Robiah bt Ahmad	RS	MATERIAL & MANUFACTURING	Silver
6	CEKAP: Fundamental Movement Assessment Battery for Children	Assoc. Prof. Dr. Zainal Abidin bin Zainuddin	FP	K-ECONOMY	Silver
7	Hybrid Magnetorheological Damper	Ir. Dr. Saiful Amri bin Mazlan	MJIIT	MATERIAL & MANUFACTURING	Silver
8	Multi-Fuel Capable Micro Gas Turbine Combustor	Dr. Chong Cheng Tung	FKM	TRANSPORTATION	Silver
9	LOW NOX FLAMELESS COMBUSTER FUELED	ASSOC. PROF. DR. MAZLAN BIN ABDUL	FKM	ENERGY	Silver

BIL	PRODUCT	NAME	FACULTY	RA	RESULT
1	Corrosion Resistant Mesoporous Carbon-Based Nanocomposite Conductive Coating	Prof. Dr. Salasiah bt Endud	FS	NANOTECHNOLOGY	Bronze
2	Force Feedback Mechanism for Vehicle Steer by Wire System	Dr. Hairi bin Zamzuri	RS	MATERIAL & MANUFACTURING	Bronze
3	Model Development for Visualizing Properties of Finite Groups	Dr. Nor Muhainiah binti Mohd Ali	FS	NANOTECHNOLOGY	Bronze
4	High Current Magnetorheological Damper	Ir. Dr. Saiful Amri bin Mazlan	MJIIT	MATERIAL & MANUFACTURING	Bronze
5	Unmanned Aerial Vehicle for Coastal Erosion Damage Assessment (UAVCEDA Ver 1.0)	Assoc. Prof. Dr. Anuar bin Ahmad	FGHT	SUSTAINABILITY	Bronze
6	Defect Free Gallium Arsenide Nanowires	Dr. Rosnita binti Muhammad	FS	SUSTAINABILITY	Bronze
7	Six Secrets: Searching for Self Success	Dr. Faizah bte Abd. Ghani	FP	K-ECONOMY	Bronze
8	Smart Life of Single Mother System: A New Interactive Portal	Dr. Faizah bte Abd. Ghani	FP	K-ECONOMY	Bronze
9	Quasi Z-Source Network Single-Phase to Three-Phase Converter	Assoc. Prof. Dr. Naziha binti Ahmad Azli	FKE	ENERGY	Bronze
10	PULSE COMBUSTION HOT WATER BOILER	ASSOC. PROF. DR. MAZLAN BIN ABDUL WAHID	FKM	ENERGY	Bronze

BIL	PRODUCT	NAME	FACULTY	RA	RESULT
1	Cascaded Multilevel Inverter Pulsed Power Generator For Liquid Food Sterilization	Assoc. Prof. Dr. Naziha binti Ahmad Azli	FKE	ENERGY	

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 STATISTIC UTM  
 EXHIBITION : Malaysia Technology Expo (MTE) 2014  
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#### 1- FULL RESULT

Participant	Gold	Silver	Bronze	Special Award	Total
26	6	9	10	1	25
Percentage	23.1%	34.6%	38.5%	3.8%	96.2%

#### 2- RESULT BY UNIVERSITI ONLY

No	University	Invention	Gold	Silver	Bronze	Special Award	Total
1	UNIMAP UNIVERSITI MALAYSIA PERLIS	35	15	11	8	3	34
2	UTM UNIVERSITI TEKNOLOGI MALAYSIA	26	6	9	10	1	25
3	USM UNIVERSITI SAINS MALAYSIA	16	6	5	5	2	16
4	UM UNIVERSITI MALAYA	13	5	6	1	1	12
5	UPM UNIVERSITI PUTRA MALAYSIA	30	5	12	10	1	27
6	UMP UNIVERSITI MALAYSIA PAHANG	9	5	2	2	1	9
7	UPNM UNIVERSITI PERTAHANAN NASIONAL MALAYSIA	20	4	3	8	1	15
8	UTP UNIVERSITI TEKNOLOGI PETRONAS	14	3	4	6	1	13
9	UTHM UNIVERSITI TUN HUSSEIN ONN MALAYSIA	24	3	6	13	1	22
10	UITM UNIVERSITI TEKNOLOGI MARA	15	2	4	7	1	13
11	UNIMAS UNIVERSITI MALAYSIA SARAWAK	13	2	3	4	1	9
12	UMK UNIVERSITI MALAYSIA KELANTAN	10	1	2	2	1	5
13	UMT UNIVERSITI MALAYSIA TERENGGANU	9	1	3	2		6
14	UUM UNIVERSITI UTARA MALAYSIA	11	1	2	7		10
15	UTEM UNIVERSITI TEKNIKAL MALAYSIA	31	1	10	15	1	26
16	UNISZA UNIVERSITI SULTAN ZAINAL ABIDIN	15		1	3		4
17	UMS UNIVERSITI MALAYSIA SABAH	3			3		3
18	UniKL UNIVERSITI KUALA LUMPUR	5			3		3

#### 3- RESULT BY RESEARCH ALLIANCES

Research Alliance	Participant	Gold	Silver	Bronze	Special Award	Total
Material Material And Manufacturing Research Alliance	8	2	4	2		8
Nanotechnology Nanotechnology Research Alliance	3	1		2	1	3
Transportation Advanced Sustainable Transportation Research Alliance	3	1	2			3
K-Economy K-Economy Research Alliance	4	1	1	2		4
Sustainability Sustainability Research Alliance	4	1	1	2		4
Energy Energy Research Alliance	4		1	2		3
<b>Total</b>	<b>26</b>	<b>6</b>	<b>9</b>	<b>10</b>	<b>1</b>	<b>25</b>

#### 4- RESULT BY FACULTY

Faculty	Participant	Gold	Silver	Bronze	Special Award	Total
FS Faculty of Science	5	2		3	1	5
MJIT Malaysia-Japan International Institute of Technology	3	1	1	1		3
FKE Faculty of Electrical Engineering	3	1		1		2
FKM Faculty of Mechanical Engineering	6	1	4	1		6
FP Faculty of Education	4	1	1	2		4
RS UTM Razak School	3		2	1		3
FGHT Faculty of Geoinformation and Real Estate	2		1	1		2
<b>Total</b>	<b>26</b>	<b>6</b>	<b>9</b>	<b>10</b>	<b>1</b>	<b>25</b>