

## ANUGERAH PERDANA SERI GEMILANG UniMAP

- Tiada Penerima

## ANUGERAH KHAS PERKHIDMATAN CEMERLANG

### ANUGERAH TOKOH

- Tiada Penerima

### ANUGERAH PENDIDIK CEMERLANG

#### PROF. DR. FARID GHANI

0100807

Profesor

Pusat Pengajian Kejuruteraan Komputer  
dan Perhubungan

#### PROF MADYA DR. SALMAH @

SELAMAH AYOB

0100266

Profesor Madya (Pengarah)

Unit Penerbitan

#### PROF. MADYA DR. MAHMAD NOR

JAAFAR

0100439

Profesor Madya (Pengarah)

Unit Pembangunan Agrateknologi

#### PROF. MADYA IR. MOHAMMAD

ICHWAN NASUTION

0100320

Profesor Madya

Pusat Pengajian Kejuruteraan Bahan

#### PROF. MADYA DR. PAULRAJ

MURUGESA PANDIYAN

0100448

Profesor Madya

Pusat Pengajian Kejuruteraan Mekatronik

#### DR. IR. SALMAH HUSSEINSYAH

0100436

Pensyarah Kanan (Timbalan Dekan)

Pusat Pengajian Kejuruteraan Bahan

#### MOHD MUSTAFA AL BAKRI

ABDULLAH

0100323

Pensyarah (Pengetua/Timbalan Dekan)

Pusat Pengajian Kejuruteraan Bahan

#### PROF. MADYA DR. MUSTAPAH DAUD

0100586

Profesor Madya

Pusat Kemahiran Komunikasi dan

Keusahawanan

#### BAHARUDDIN ISMAIL

0100107

Pensyarah

Pusat Pengajian Kejuruteraan Sistem

Elektrik

### ANUGERAH PENTADBIR CEMERLANG

#### HJ. RUSLI HJ. ABD. HAMID

0200207

Pendaftar

Jabatan Pendaftar

#### PROF. MADYA DR. ABDUL HAMID

ADOM

0100285

Profesor Madya (Dekan)

Pusat Pengajian Kejuruteraan Mekatronik

#### ABDUL AZIZ MAHMUDDIN

0100336

Pensyarah Kanan (Pengarah)

Pusat Pembangunan Korporat dan

Pengurusan Kualiti

#### HIRWAN JASBIR JAAFAR

0100898

Pensyarah (Penyelaras)

Unit Kajian Strategik

#### OSMAN AHMAD

0200063

Pegawai Tadbir (N44)

Jabatan Pendaftar

#### NORHARNILA RUSLI

0200854

Pengurus Asrama

Kolej Kediaman

### ANUGERAH STAF SOKONGAN CEMERLANG

#### CAROLINE TAIMIN

0300905

Pegawai Kebudayaan (B27)

Unit Kebudayaan dan Rekreasi

#### IDAYU SOFNA ISHAK

0300686

Pembantu Tadbir (Kesetiausahaan)

Pejabat Timbalan Naib Canselor (Akademik

dan Antarabangsa)

#### MOHD. AZMAN MOHD. IBRAHIM

0400741

Ahli Muzik

Unit Kebudayaan dan Rekreasi

#### AZMAN HUSSAIN

0300615

Ahli Muzik

Unit Kebudayaan dan Rekreasi

**CHE OMAR OTHMAN**  
0300983

Pemandu Kenderaan  
Pejabat Timbalan Naib Canselor  
(Penyelidikan dan Inovasi)

**SHHRIZAL BAKAR**  
0400547

Pekerja Awam  
Pengurusan Rumah Tetamu

### **ANUGERAH VERSATIL**

**HEMA C.R.**  
0100449

Pensyarah  
Pusat Pengajian Kejuruteraan Mekanik

**MUHAMAD AZUAN MOHAMAD NASIR**  
0201055

Pegawai Tadbir  
Jabatan Pendaftaran

**NORDIN HARUN**  
0400345

Pengawal Keselamatan  
Jabatan Keselamatan

### **ANUGERAH RAKAN PENDAMPING SISWA**

**DR. MOHAMAD HALIM ABD. WAHID**  
0100963

Pensyarah (Timbalan Dekan)  
Pusat Pengajian Kejuruteraan Mikroelektronik

**FIJAY FAUZI**  
0100633

Pensyarah  
Pusat Pengajian Kejuruteraan Sistem Elektrik

### **ANUGERAH PUSAT PENGAJIAN/ SOKONGAN AKADEMIK CEMERLANG**

**PUSAT KEMAHIRAN KOMUNIKASI DAN  
KEUSAHAWANAN**

### **ANUGERAH JABATAN/UNIT CEMERLANG**

**PUSAT PEMBANGUNAN KORPORAT DAN  
PENGURUSAN KUALITI**

### **ANUGERAH KECEMERLANGAN PENYELIDIKAN**

### **PERINGKAT ANTARABANGSA**

**37<sup>th</sup> INTERNATIONAL EXHIBITION OF  
INVENTIONS OF NEW TECHNIQUES AND  
PRODUCTS, GENEVA, SWITZERLAND**

#### **Pingat Perak**

**Prof. Madya Che Mohd. Ruzaidi Ghazali**  
Dato' Prof. Dr. Kamarudin Hussin  
Mohd Mustafa Al Bakri Abdullah  
Norazian Mohamed Noor  
Norzaidi Zainol Mohd Radzi Ali  
*Agro Fiber Polymer Composite Panel*

**Prof. Dr. Sazali Yaacob**  
Prof. Madya Dr. Paulraj Murugesu Pandiyan  
M. Hariharan  
*Intelligent Diagnosing System For Voice Disorders*

**Prof. Dr. Uda Hashim**  
Prof. Dr. Zul Azhar Zahid Jamal  
Sutikno Md. Nasri  
*Single Electron Quantum Dot Transistor*

#### **Pingat Gangsa**

**Norazian Mohamed Noor**  
Mohd Mustafa Al Bakri Abdullah  
Prof. Madya Che Mohd Ruzaidi Ghazali  
Mohd. Lutfi Zainuddin  
*SSDEM: Statistical Software For Fitting  
Distribution And Estimating Missing Values In  
Environmental Data Sets*

**Mohd Mustafa Al Bakri Abdullah**  
Prof. Madya Che Mohd Ruzaidi Ghazali  
Dato' Prof. Dr. Kamarudin Hussin  
Norazian Mohamed Noor  
Norzaidi Zainol  
Mohammad Tamizi Selimin  
*Modified Artificial Aggregate From Polymer Waste  
For Non-Structural Concrete*

**Dr. Supri A.Ghani**  
Dr. Ir. Salmah Hussiensyah  
Dr. Ir. Suryadiansyah  
Siti Shuhadah  
*NES: Modified Nano Egg Shells Based Composites  
System*

### **BRITISH INVENTION SHOW (BIS) 2009, LONDON, UNITED KINGDOM.**

#### **Pingat Emas**

**Dr. Md. Fazlul Bari**  
Dato' Prof. Dr. Kamarudin Hussin  
Prof. Dr. Shamsul Baharin Jamaludin  
Prof. Madya Che Mohd Ruzaidi Ghazali  
Mst. Noorzahan Begum  
*Silica Nano-Tube Immobilized With Cyanex 272 For  
Environmental Application*

**Prof. Madya Dr. R. Badlishah Ahmad**  
Shuhaizar Daud  
*SHOENIX: An Operating System For Embedded  
Applications*

**INTERNATIONAL TRADE FAIR IDEAS-  
INVENTIONS-NEW PRODUCT (IENA)  
2009, NUREMBERG, GERMAN**

**Pingat Emas**

**Zulkifli Husin**

Prof. Madya Dr. R. Badlishah Ahmad  
Abdul Hallis Abdul Aziz  
Rohani S Mohamed Farook  
Nor Amirul Che Ani  
Azamuddin Daud  
*A Low Cost Portable Embedded System  
For Herb Leaves Recognition System*

**Pingat Gangsa**

**Zulkifli Husin**

Prof. Madya Abd. Rahman Mohd. Saad  
Abdul Hallis Abdul Aziz  
Mohamad Shamsuri Abdullah  
Nor Amirul Che Ani  
Azamuddin Daud  
*Autonomous Weeding Robot For Organic  
Farming*

**Prof. Dr. R. Nagarajan**

Prof. Dr. Sazali Yaacob  
Bukhari Ilias  
*A GPS Based Legged Robot For Mapping  
Areas Of Impossible Human Entry*

**Suhardy Daud**

Tengku Nadzlan Tengku Ibrahim  
Mohd. Nazry Salleh  
Farizul Hafiz Kasim  
Dr. Luqman Musa  
Khairuddin Md. Isa  
Dr. Mohd Nazree Derman  
*Domigrease : Grease From Dolomite*

**SEOUL INTERNATIONAL INVENTION  
FAIR (SIIF) 2009, SEOUL, KOREA**

**Pingat Perak**

**Dr. Ir. Salmah Husseinayah**

Dr. Supri A.Ghani  
Dr. Ir. Suryadiansyah  
Ismail Ibrahim  
*Coconut Shell Powder Particle Board*

**Pingat Gangsa**

Abdul Haqi Ibrahim  
Ayu Wazira Azhari  
Mahyun Ab. Wahab  
Salwa Mohd. Zaini Makhtar  
*Concrete Sludge Brick*

**PERINGKAT KEBANGSAAN**

**MALYSIAN TECHNOLOGY EXPO  
(MTE) 2009**

**Pingat Emas**

**Mohd Hafiz Fazalul Rahiman**

Prof. Dr. Sazali Yaacob  
Ruzairi Abdul Rahim  
Nor Muzakkir Nor Ayob @ Nordin  
*Ultrasonic Tomography Imaging Instrument*

**Pingat Perak**

**Soh Ping Jack**

Saidatul Norlyana Azemi  
Prof. Madya Dr. R. Badlishah Ahmad  
Azremi Abdullah Al- Hadi  
Mohamad Ezral Baharudin  
Husna Mohd Rais  
Muhammad Ezanuddin Abdul Aziz  
Nornikman Hassan  
*F<sup>2</sup> PIFA : A Broadband Planar Inverted-F  
Antenna For Wireless Applications*

**Prof. Dr. Uda Hashim**

Kasim Abd Rahman  
Azizullah Saifullah  
*LISFET For Security System*

**Prof. Dr. Ismail Daut**

Dina Maizana  
Shuhaimi Zakaria @ Abdullah  
Intan Fazliana Yahaya  
Adawati Yusuf  
Azhar Ahmad  
Nurul Syahida Zainal Abidin  
Nor Ashbani Mohamad Kajaan  
Nur Haslina Husain  
Muhammad Akmal Azemi  
Haiziah Harif  
*The Design Of More Efficient Of Three  
Phase Transformer Core*

**Prof. Dr. San Myint**

Dato' Prof. Dr. Kamarudin Hussin  
Prof. Madya Che Mohd Ruzaidi Ghazali  
Dr. Ir. Salmah Husseinayah  
Nurul Hida  
*Light Weight Roofing Tiles With Rubber  
Dust Powder & Cement*

**Dr. Ir.Salmah Husseinayah**

Prof. Madya Che Mohd. Ruzaidi Ghazali  
Dr. Supri A Ghani  
Dr. Ir. Suryadiansyah  
Lokman Hakim Ibrahim:  
Ismail Ibrahim  
*Lightweight Panel Composite From  
Recycled Flexible Polyurethane*

**Mohd Azaman Md Deros**  
Mohd Sazli Saad  
Shayfull Zamree Abd. Rahim  
Badrul Azmi Abdul Holid  
Muhammad Nasir Murad  
Muhamad Farizuan Rosli  
*Modular Light Emitting Diodes (LED) Socket*

**Prof. Dr. Uda Hashim**  
Mohd Khairuddin Md Arshad  
Chin Seng Fatt  
*ISFET For pH Measurement*

#### Pingat Gangsa

**Mohd Mustafa Al Bakri Abdullah**  
Prof. Madya Che Mohd Ruzaidi Ghazali  
Dato' Prof. Dr. Kamarudin Hussin  
Mohammad Tamizi Selimin  
Norazian Mohamed Noor  
Norzaidi Zainol  
*Development Of Geopolymer For Construction As Alternatives To Ordinary Portland Cement*

**Prof . Dr. Ismail Daut**  
Ir .Mohammad Ezzani Mat Salleh  
Ir .Syafuruddin Hasan  
Mohd Irwan Yusuff  
Ilham Syafini Ahmad Mahyudin  
Nasrul Jamaludin  
*Power Factor Correction Converter Circuit*

**Dr. Ir. Suryadiansyah**  
Prof. Madya Che Mohd. Ruzaidi Ghazali  
Dr. Ir. Salmah Husseinsyah  
Dr. Supri A.Ghani  
Ku Hasrin Ku Abdul Rahman  
*Coconut Oil Coupling Agent (COCA) For Polymer Composites*

**Zahereel Ishwar Abdul Khalib**  
Prof. Madya Dr. R. Badlishah Ahmad  
Nasim Ahmed  
*Embedded Port Scanner (EPSS) System Using Linux & Single Board Computer*

**Tulus Ikhsan Nasution**  
Prof. Madya Zaliman Sauli  
Dr. Irwana Nainggolan  
*Application Of SnTiO Thin Film Hydrogen Sensor In Water Fuel Cell*

**Prof. Madya Dr. Kenneth Sundaraj**  
Chong Yee Lin  
*Biceps Tendonitis Rehabilitation Monitor*

**Zulkifli Husin**  
*Embedded Prayer Time With Qibla Direction*

**Prof. Dr. Ismail Daut**  
Rosnazri Ali  
Muhammad Irwanto  
Ir. Surya Hardi  
Noor Syafawati Ahmad  
Aidil Syukri Shaari  
Shukur Abdullah  
Suhaimi Sulaiman  
Viknarkumar  
*Solar Tracking Using Smart Relay Rs23121jd*

**Mohammad Nuzaihan Md Nor**  
Prof. Dr. Uda Hashim  
Nur Hamidah Abdul Halim  
Ruslinda A.Rahim  
Mohd Sallehudin Saad  
*Nanostructures Formation Using Size-Reduction Lithography For Nano Biosensor Application*

#### **INTERNATIONAL INVENTION, INNOVATION, INDUSTRIAL DESIGN & TECHNOLOGY EXHIBITION (ITEX) 2009**

#### Pingat Emas

**Prof. Madya Dr. Johari Adnan**  
Prof. Dr. Zul Azhar Zahid Jamal  
Nurjulina Juhari  
Norhayati Sabani  
Nur Hamidah Abdul Halim  
Norlida Abu Bakar  
*BST Chemical Vapour Sensor*

**Prof. Madya Ir. Mohammad Ichwan Nasution**  
Dato' Prof. Dr. Kamarudin Hussin  
Prof. Madya Che Mohd Ruzaidi Ghazali  
Prof. Dr. Shamsul Baharin Jamaludin  
Dr. Khairel Rafezi Ahmad  
Faizul Che Pa  
Chek Idrus Omar  
*Aluminium-Polymer ABS Product*

**Dr. Supri A.Ghani**  
*Nano Tricalcium Phosphate From Eggshells*

**Prof. Madya Dr. Kenneth Sundaraj**  
*GiGi-Sim*

**Mohd Hafiz Fazalul Rahiman**  
Zulkarnay Zakaria  
Ruzairi Abdul Rahim  
*Computed Tomography Simulation Software*

**Zulkifli Husin**  
Abdul Hallis Abdul Aziz  
Prof. Madya Dr. R. Badlishah Ahmad  
*Portable Fruit Maturity System*

**Ir. Anuar Mat Safar**  
Prof. Madya Dr. Syed Alwee Aljunid Syed Junid  
Muhammad Imran Ahmad  
Mat Nor Mohamad Ismail  
*Zero Cross Correlation Optical Code Division Multiple Access (OCDMA) Encoder/Decoder For Access Network Using FPGA*

**Prof. Dr. Ismail Daut**  
Rosnazri Ali Muhammad Irwanto  
Ir. Surya Hardi  
Ir. Syafuruddin Hasan  
Noor Syafawati Ahmad  
*Solar Powered Water Pump Prototype*

**Prof. Dr. Uda Hashim**  
Muhammad Emi Azri Shohini  
Norbi Hayati Md Noor  
*Nano Structure Patterning*

**Pingat Perak**

**Prof. Madya Che Mohd Ruzaidi Ghazali**

Dato' Prof. Dr. Kamarudin Hussin  
Prof. Madya Dr. Mohamed Zulkali  
Mohamed Daud  
Mohd Mustafa Al Bakri Abdullah  
Nurul Razlina Abd. Razak  
Norzaidi Zainol  
Mohd Razi Ali  
Nur Hidayah Ahmad Zaidi  
Fetra  
*Typha Latifolia Natural Fiber*

**Dr. Supri A. Ghani**

Dr. Ir. Salmah Husseinsyah  
Dr. Ir. Suryadiansyah  
*Degragent: Green Composite From Water Hyacinth*

**Mohd Mustafa Al Bakri Abdullah**

Prof. Madya Che Mohd. Ruzaidi Ghazali  
Dato' Prof. Dr. Kamarudin Hussin  
Mohammad Tamizi Selimin  
Norazian Mohamed Noor  
Norzaidi Zainol  
*Environmental Friendly Sound Proof Cement Composite Board*

**Ain Nihla Kamarudzaman**

Norazian Mohamed Noor  
Roslaili Abdul Aziz  
*Multi Purpose Household Cleaner*

**Masitah Hasan**

Zulfakar Mokhtar  
Naimah Ibrahim  
*COPA-Bead : Composite Beads From Palm Ash And Crustacean Shell For Sorption Of Dye From Textile Industry*

**Md Tasyrif Abdul Rahman**

Ahmad Faizal Salleh  
Prof. Dr. Sazali Yaacob  
Fathinul Syahir Ahmad Sa'ad  
Dr. Khaled Helmy  
*(PIAD) Powered Inhaler Accessories Device*

**Hema C.R**

Prof. Madya Dr. Paulraj M.P.  
Prof. Dr. Sazali Yaacob  
Prof. Madya Dr. Abdul Hamid Adom  
Prof. Dr. R. Nagarajan  
*Brain Controlled -Rehabilitative -Wheelchair for - People with Special Needs*

**Shayfull Zamree Abd. Rahim**

Badrul Azmi Abdul Holed  
Mohd Sazli Saad  
Mohd Azaman Md Deros  
Muhammad Nasir Murad  
Muhamad Farizuan Rosli  
*Portable Traffic Light with Radio Frequency Technology*

**Badrul Azmi Abdul Holed**

Mohd Sazli Saad  
Mohd Azaman Md Deros  
Shayfull Zamree Abd. Rahim  
Muhamad Farizuan Rosli  
*Road Block Vigilant Light And Lantern With LED Lighting System*

**Prof. Madya Dr. R. Badlishah Ahmad**

Zahereel Ishwar Abdul Khalib  
Md. Mostafijur Rahman  
*ENTM - An Embedded System for Monitoring Computer Network Traffic*

**Mohd Fayzul Mohammed**

Mohammad Faridun Naim Tajuddin  
Zainuddin Mat Isa  
Syahrul Ashikin Azmi  
Siti Rafidah Abdul Rahim

**Muhamad Kassim Jilani**

Baharuddin Ismail  
Noor Shahida Jamoshid  
Abdul Rahim Abdul Razak  
Ahmad Syukri Fazil Rahman  
Shuhaimi Zakaria @ Abdullah  
Prof. Dr. Ismail Daut  
*Buck and Boost Converter Teaching Toy*

**Zainuddin Bin Mat Isa**

Baharuddin Ismail  
Prof. Dr. Ismail Daut  
Mohd Fayzul Mohammed  
Siti Rafidah Abdul Rahim  
Syahrul Ashikin Azmi  
Mohammad Faridun Naim Tajuddin  
Muhammad Imran Ahmad  
Mohd Azlizan Moh Adib  
*Single Phase Inverter Training Kit*

**Rosnazri Ali**

Siti Khodijah Mazalan  
Syed Akhmal Syed Jamalil  
Mohd Zulhisham Mohd Radzi  
*Mobile DC to AC Universal Power Supply / Charger*

**Prof. Dr. Ismail Daut**

Dr. Merdang Sembiring  
Muhammad Irwanto  
Ir. Surya Hardi  
Ir. Syafruddin bin Hasan  
Indra Nisja  
Ir. Risnidar Chan  
Noor Syafawati Ahmad  
Mohd Irwan Yusoff  
*Photovoltaic Powered Uninterruptible Power Supply Using Smart Relay*

**Lim Eng Aik**

*Real - Time People Counting System*

**Nur Hamidah Abdul Halim**

Prof. Dr. Uda Hashim  
Ruslinda A. Rahim  
Mohammad Nuzaihan Md Nor  
Mohd Sallehudin Saad  
Nurjuliana Juhari  
*EIS Diode pH Sensor*

**Prof. Madya Dr. Mohamed Zulkali Mohamed Daud**

Khairul Farihan Kasim  
Siti Nur Firdaus Mustaffa  
*Feromass: Novel, Magnetized Bioadsorbent For Dye Removal*

#### **Pingat Gangsa**

**Tulus Ikhsan Nasution**

Prof. Dr. Zul Azhar Zahid Jamal  
Dr. Irwana Nainggolan  
*SnTiO<sub>2</sub> Thin Film Optical Waveguide*

**Dr. Irwana Nainggolan**

Dr. Khairel Rafezi Ahmad  
Tulus Ikhsan Nasution  
*Chitosan Thin Film pH Sensor*

**Tulus Ikhsan Nasution**

Prof. Dr. Uda Hashim  
Dr. Irwana Nainggolan  
*Surface Acoustic Wave Sensor System*

**Prof. Madya Dr. Johari Adnan**

Prof. Dr. Zul Azhar Zahid Jamal  
Nurjuliana Juhari  
Norhayati Sabani  
Nur Hamidah Abdul Halim  
Norlida Abu Bakar  
*Si Humidity Probe*

**Ayu Wazira Azhari**

Abdul Haqi Ibrahim  
Mahyun Ab Wahab  
Salwa Mohd Zaini Makhtar  
*ReTIFA: Fire Resistance Material*

**Prof. Dr. Ali Yeon Md Shakaff**

Prof. Madya Dr. Abdul Hamid Adom  
Prof. Dr. Mohd Noor Ahmad  
Abu Hassan Abdullah  
Asrul Md. Saad  
Nazifah Ahmad Fikri  
Marni Azira Markom  
Erdy Sulino  
*M-NOSE*

**Suhaimi Illias**

Mohamad Hatta Musa  
Narzreza Abdul Razak  
*Cement Mixture Using Waterfall Stone*

**Hasliza A Rahim @ Samsuddin**

Prof. Dr. Nukala S. Murthy  
Aini Syuhada Md Zain  
Muhammad Imran Ahmad  
*Embedded OFDM Transceiver Trainer Kit*

**Prof. Madya Dr. Mohamed Zulkali Mohamed Daud**

Alina Rahayu Mohamed  
Md. Nabil Ab Adzim Saifuddin  
Ahmad Radi Wan Yaakub  
Mohd Sani Jamailudin  
*Smart Membrane™: Designer, Tailored-Made Transbarrier Polymer*

#### **PECIPTA 2009**

##### **Pingat Emas**

**Mohd Mustafa Al Bakri Abdullah**  
Prof. Madya Che Mohd. Ruzaidi Ghazali  
Dato' Prof. Dr. Kamarudin Hussin  
Mohammad Tamizi Selimim  
Norazian Mohamed Noor  
Norzaidi Zainol  
*GeoCRETE: A Novel Concrete Without Cement*

**Hema C.R**

Prof. Madya Dr. Paulraj M.P  
Prof. Dr. Szazli Yaacob  
Prof. Madya Dr. Abdul Hamid Adom  
Prof. Dr. R. Nagarejan  
*Intelligent Brain Interface for a Robot Chair*

##### **Pingat Perak**

**Mohd Hafiz Fazalul Rahiman**

Prof. Dr. Szazli Yaacob  
Ruzairi Abdul Rahim  
Zulkarnay Zakaria  
*Ultrasonic Tomography Imaging Instrument*

**Prof. Madya Dr. R. Badlishah Ahmad**

Saidatul Norlyana Azemi  
Soh Ping Jack  
Azremi Abdullah Al- Hadi  
Mohamad Ezral Baharudin  
Nurul Husna Mohd Rais  
Muhammad Ezanuddin Abdul Aziz  
Nornikman Hassan  
*1Antenna: A Novel Antenna for Wireless Applications*

**Prof. Dr. Uda Hashim**

Kasim Abd Rahman  
Azizullah Saifullah  
*LiSFET*

**Prof. Dr. San Myint**

Dato' Prof. Dr. Kamarudin Hussin  
Prof. Madya Che Mohd. Ruzaidi Ghazali  
Dr. Ir. Salmah Husseinayah  
Nurul Hida  
*Light Weight Roofing Tiles*

**Prof. Dr. Uda Hashim**

Chin Seng Fatt  
Muhammad Naim Haron  
Nur Syuhada Md Desa  
*ISFET*

**Prof. Madya Ir. Mohammad Ichwan Nasution**

Dato' Prof. Dr. Kamarudin Hussin  
Prof. Dr. Shamsul Baharin Jamaludin  
Prof. Madya Che Mohd Ruzaidi Ghazali  
Dr. Khairul Rafezi Ahmad  
Faizul Che Pa  
Chek Idrus Omar  
*Aluminium Filled Polymer Via Casting Technique*

**Dr. Supri A. Ghani**  
Dr. Ir. Salmah Husseinsyah  
Dr. Ir. Suryadiansyah  
*Green Polymer From Modified Water Hyacinth Fibers*

**Masitah Hasan**  
Zulfakar Mokhtar  
*OPAC Bead: Composite Beads From Palm Ash And Chitosan For Sorption Of Dye From Textile Industry*

**Prof. Dr. Uda Hashim**  
Muhamad Emi Azri Shohini  
*Nano Structure Patterning Using Conventional Optical Lithography*

**Prof. Madya Dr. Syed Alwee Aljunid Syed Junid**  
Hilal A. Fadhil  
*Random Diagonal (RD) Code For Spectral Amplitude Coding OCDMA Systems*

**Ku Syahidah Ku Ismail**  
Khairul Farihan Kasim  
Noorulnajwa  
Diyana Yaakob  
Khairul Akhbar  
Ahmad Zabidi  
Alina Rahayu Mohamed  
Prof. Madya Dr. Mohamed Zulkali  
Mohamed Daud  
*Production of Bioethanol From Cassava Via Green Technology*

**Prof. Madya Dr. Mohamed Zulkali Mohamed Daud**  
Khairul Farihan Kasim  
Noor Hasyierah Mohd Salleh  
Md. Nabil Ab Adzim Saifuddin  
Mohd Fazli Hassan  
Mohd Sani Jamailudin  
*Arthroflour™ : Novel Food Ingredient for Numerous Applications*

**Prof. Dr. Uda Hashim**  
Muhammad Naim Haron  
Nor Syuhada Md. Desa  
*ISFET For Harumanis Ripeness Detection*

**Prof. Dr. Uda Hashim**  
Muhamad Emi Azri Shohini  
*Nanogap Sensor For Halal Product Autentification*

**Pingat Gangsa**

**Prof. Dr. Uda Hashim**  
Siti Fatimah Abd. Rahman  
Muhammad Afif Khalid  
*Nanowire Biosensor for DNA Immobilization & Hybridization Detection*

**Dr. Ir. Salmah Husseinsyah**  
Dr. Supri A. Ghani  
Dr. Ir. Suryadiansyah  
Faisal Amri  
Ismail Ibrahim  
*BIO-Banana Trunk Absorbent*

**Dr. Ir. Salmah Husseinsyah**  
Dr. Supri A. Ghani  
Dr. Ir. Suryadiansyah  
Faisal Amri  
Ismail Ibrahim  
*BIOFOAM : Composites From Industrial Waste*

**Prof. Madya Dr. Bhuvnesh Rajamony**  
Mohd Faizal Hamid  
Lee Chang Chuan  
Ahmad Nabil Khalil  
*Palm Oil Based Industrial Wax - A New Product For Engineering Applications*

**Prof. Dr. San Myint**  
Dato' Prof. Dr. Kamarudin Hussin  
Dr. Khairul Rafezi Ahmad  
Dr. Irwana Nainggolan  
Azreena Ariffin  
*BIOFERTILIZER : An Organic Liquid Fish Fertilizer From Fish Waste*

**Ir. Syafruddin Hassan**  
Prof. Dr. Ismail Daut  
Ir. Surya Hardi Ir. Risnidar Chan Indra Nisja  
Muhammad Irwanto  
Bonggas L. Tobing  
*Crude Palm Oil (CPO) As Alternative Liquid Insulating Materials*

**Dr. Supri A. Ghani**  
Dr. Ir. Salmah Husseinsyah  
Dr. Ir. Suryadiansyah  
Ismail Ibrahim  
Lokman Hakim  
Mohd Nasir Ibrahim  
Norzaidi Zainol  
*Modines : Modified Nano Eggshells Powder Reinforced Composite System*

**Prof. Madya Dr. R. Badlishah Ahmad**  
Zahereel Ishwar Abdul Khalib  
Md. Mostafijur Rahman  
*NetworkEye*

**Ir. Anuar Mat Safar**  
PM Dr. Syed Alwee Aljunid Syed Junid  
Muhammad Imran Ahmad  
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*Zero Cross Correlation Code Encoder / Decoder For Optical Code Division Multiple Access (OCDMA)*

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