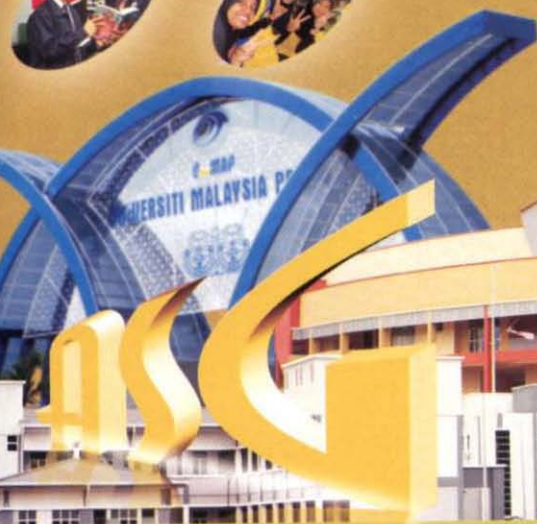




UniMAP

# ANUGERAH SERI GEMILANG UniMAP 2011

"Sedekad Gemilang, Bertekad Terbilang"



20 Mac 2012 : Dewan 2020, Kangar, Perlis



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

Profesor (Peng. Majlis Prof.  
UniMAP) PPK Mekatronik

**Prof Ir. Dr. Rezuwan Hj.  
Kamaruddin**

Profesor (Dekan)  
Pengurusan Akademik

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Unit Pembangunan Lestari

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Pusat Ko-Kurikulum

**Prof. Madya Dr. Abdullah  
Chik**

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Ahmad**

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**Norhayati Sabani**

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Pensyarah (PRD)  
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**Muhamad Khairul Ali  
Hassan**

Pensyarah (PRD)  
PPK Mekatronik

**Mokhtar Mat Salleh**

Pensyarah (PRI)  
PPK Pembuatan

**Sakinah Zakaria**

Pensyarah (PRD)  
PPK Pembuatan

**Ain Nihla Kamarudzaman**

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PPK Alam Sekitar

**Mohammad Rezal Hamzah**

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PTKPI

**Wan Zuki Azman Wan  
Muhamad**

Pensyarah, IMK

**Nurul Syazwani Zulkiffi**

Guru Bahasa  
PTKPI

**Mohd. Fikri Che Husin**

Pegawai Latihan Vokasional  
PPK Mikroelektronik

**Dayang Khadijah Hamzah**

Pegawai Latihan Vokasional  
PPK Komp. & Perhubungan

**Shariffah Zahiran Syed**

**Zaharim Helmi**  
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**Ahmad Muhyiddin Yusof**

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PPK Sistem Elektrik

**Noor Mariamadzliza Mohd.  
Nan**

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**Mohammad Tamizi Selimin**

Pegawai Latihan Vokasional  
PPK Bahan

**Suhaira Md. Esa**

Pegawai Latihan Vokasional  
PPK Pembuatan

**Amarul Talip**

Pegawai Latihan Vokasional  
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PPK Bioproses

**Shafie Omar**

Pegawai Latihan Vokasional  
Pusat Kejuruteraan

**Noor Shazliha Zakaria**

Pegawai Latihan Vokasional  
Pusat Kejuruteraan

**Mohd. Anuar Mat**

Pegawai Latihan Vokasional  
Unit Kualiti dan Akreditasi

**Azmi Ahamad**

Pegawai Tadbir  
Jabatan Pendaftar

**Aziah Shafie**

Pegawai Tadbir  
Jabatan Pendaftar

**Nor Innar Md. Nor**

Pegawai Tadbir  
Jabatan Pendaftar

**Salfarina Omar**

Pegawai Tadbir  
Jabatan Pendaftar

**Mohd. Hakam Hassan**

Pegawai Tadbir  
HEPA

**Wardah Hanim Md. Nor**

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PPK Bioproses

**Azilah Abidin**

Pegawai Tadbir  
IMK

**Isma Irini Shafie**

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Pusat Ko-Kurikulum

**Zakaria Abd. Rahman**

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**Hasrul Nizam Halim**

Pegawai Tadbir  
Unit Pembangunan Lestari

**Mohd. Azman Nasaruddin**

Pegawai Tadbir  
Anjung KL

**Suhana Md. Taha**

Pustakawan  
Jabatan Perpustakaan

**Mohd. Faizoo Othman**

Penolong Pegawai Tadbir  
Pusat Kerjasama Industri

**Nurul Aida Othman**

Penolong Pegawai Tadbir  
Unit Media

**Mohd. Afif Md. Jamel Khir**

Pen. Peg. Tek. Maklumat  
ICT

**Mohamad Farizal Zainuddin**

Penolong Jurutera  
Jabatan Pembangunan

**Nor Azlina Ushub**

Penolong Pegawai Senibina  
Jabatan Pembangunan

**Maisarah Samsukamri**

Pen. Peg. Hal Ehwal Islam  
Pusat Islam

**Anas Efendi Abd. Rahman**

Pen. Peg. Belia dan Sukan  
Pusat Sukan

**Rohaiza Zainol**

Setiausaha Pejabat  
Pej.Tim.Naib Canselor (P&I)

**Azfa Ahmad**

Setiausaha Pejabat  
HEPA

**Nordiana Jamadin**

Setiausaha Pejabat  
PPK Sistem Elektrik

**Rosmawati Abidin**

Pembantu Tadbir (P/O) (K)  
Jabatan Keselamatan

**Ku Hamidah Ku Abidin**

Pembantu Tadbir (P/O)  
Jabatan Pendaftar

**Norhayani Muhamad**

Pembantu Tadbir (P/O)  
Jabatan Pembangunan

**Saliza Khalid**

Pembantu Tadbir (P/O)  
PPK Mekatronik

**Saiful Ammar Marzuki**

Pembantu Tadbir (P/O)  
PPK Bioproses

**Suzyyana Saafi Soo**

Pembantu Tadbir (P/O)  
PPK Alam Sekitar

**Nainatul Farzuha Nor**

Pembantu Tadbir (P/O)  
IMK

**Fairuz Abdullah**

Pembantu Tadbir (P/O)  
Kolej Kediaman

**Syamsyuhaida Sabri**

Pembantu Tadbir (P/O)  
Kebudayaan dan Rekreasi

**Mohd. Haffis Mansor**

Pembantu Tadbir (P/O)  
Unit Multimedia

**Zuraini Ismail**

Pembantu Akauntan  
Jabatan Bendahari

**Zuryanamira Yusup**

Pembantu Akauntan  
Jabatan Bendahari

**Ayu Haswida Sabu**

Pembantu Akauntan  
Jabatan Bendahari

**Mohd. Fazlullah Mohd. Zain**

Pembantu Perpustakaan  
Jabatan Perpustakaan

**Syed Mohd. Helmi Sy Azmi**

Pembantu Perpustakaan  
Jabatan Perpustakaan

**Abdul Rasid Mahamoud**

Pembantu Belia dan Sukan  
Pengajaran & Pembelajaran

**Ahmad Zahiri Bakar**  
Juruteknik  
Jabatan Pembangunan

**Razali Ismail**  
Juruteknik  
ICT

**Haffiz Abd. Razak**  
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PPK Mikroelektronik

**Siti Zauyah Othman**  
Juruteknik  
PPK Komp. & Perhubungan

**Aidil Syukri Shaari**  
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PPK Sistem Elektrik

**Rosmawadi Othman**  
Juruteknik  
PPK Bahan

**Mohammad Firdaus Rejab**  
Juruteknik  
PPK Mekanik

**Mohd. Nazri Abdul Hamid**  
Juruteknik  
PPK Pembuatan

**Ropidah Ahmad**  
Juruteknik  
PTKPI

**Ismandi Ismail**  
Ahli Muzik  
Kebudayaan & Rekreasi

**Muhamad Ikbal Azudin**  
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PPK Mekatronik

**Shuhaimi Hashim**  
Tukang K2  
Jabatan Pembangunan

**Ashafizan Ismail**  
Pereka B11  
Unit Komunikasi Korporat

**Sarina Din**  
Pengawal Keselamatan  
Jabatan Keselamatan

**Ku Mansor Ku Din**  
Pengawal Keselamatan  
Jabatan Keselamatan

**Bakar Ahmad**  
Pemandu Kenderaan  
Jabatan Pembangunan

**Rosely Md. Nor**  
Pemandu Kenderaan  
Jabatan Pembangunan

**Noor Khalbiah Ismail**  
Atendan Kesihatan  
Pusat Kesihatan

**Rosmaini Abd. Rahman**  
Pembantu Am Pejabat  
Pejabat Naib Canselor

**Che Ahmad Che Man**  
Pekerja Awam  
Kolej Kediaman

*Amguruh Perdana Seri  
Gemilang UniMAD*  
- Tiada Penerima

*Amguruh Khas Perkhidmatan  
Cemerlang*

*Amguruh Tokoh*  
- Tiada Penerima

*Amguruh Pendidik Cemerlang*

**PM Mohariff Shariff**  
PM (Kunjungan)  
PTKPI

**Prof. Robert Teasdale  
Kennedy**  
Profesor  
PPK Sistem Elektrik

*Amguruh Pentadbir Cemerlang*

**Dr. Ei Ei Chaw @ Fatamar Bi  
Bi Abas**  
Pegawai Perubatan  
Pusat Kesihatan

**Mohamed Roshimi Md.  
Shahor**  
Peg. Tek. Maklumat  
PUSPEK

**Normiza Mahmud**  
Pegawai Tadbir  
Jabatan Pendaftar

*Amguruh Staf Sokongan  
Cemerlang*

**Dzairi Asrul Dzainol**  
Pembantu Am Pejabat  
Unit Kajian Strategik

**Nazmi Sabu**  
Pembantu Am Pejabat  
PPK Mikroelektronik

**Abdul Muhaimin Mahmud**  
Pembantu Am Pejabat  
Jabatan Keselamatan

**Milazita Abd. Wahab**  
Pembantu Tadbir (P/O)  
Pusat Islam

**Hamizal Hamid**  
Pembantu Tadbir (P/O)  
Jabatan Pendaftar

**Sharkizam Azmi**  
Penolong Jurutera  
Kolej Kediaman

**Syed Abu Bakar Syed  
Ahmad**  
Pen. Peg. Tek. Maklumat  
Pejabat Naib Canselor

*Amguruh Versatil*

**Zuraida Desa**  
Atendan Kesihatan  
Pusat Kesihatan

**Mohd. Faiz Musa**  
Pembantu Tadbir (P/O)  
Pusat Ko-kurikulum

**Raja Raina Sacha Saharman**  
Setiausaha Pejabat  
Kebudayaan & Rekreasi

**Mohd. Hizazy Yusof**  
Peg. Tek. Maklumat  
Pusat ICT

**Mohd. Robani Hassan**  
Pegawai Tadbir  
Anjung KL

**Abdul Ghani Fathil**  
Pegawai Tadbir  
PUSPEK

**Norshahrizan Nordin**  
Pensyarah  
PPIPT

**Prof. Dato' Dr. Abdul Razak  
Haji Omar**  
Profesor (Kunjungan)  
PPIPT

**Prof. Datuk Wira Dr. Mohd.  
Salleh Hj. Din**  
Profesor (Pengarah)  
PPKPPHI

*Amguruh Rakan Pendamping  
Siswa*

**Dr. Luqman Musa**  
Pensy. Kanan (Tim. Dekan)  
PPK Bahan

**Mohamed Faisal Mohamed  
Nor**  
PLV, PPK Bahan

**Khairul Nadiyah Khalid**  
PLV  
PPK Sistem Elektrik

**Azlini Che Hassan @ Hassan**  
Pensyarah  
PPIPT

**Salsuwanda Selamat**  
Pensyarah (Tim. Dekan)  
PPK Alam Sekitar

*Amguruh Jabatan/ Unit  
Cemerlang*

**Pusat Kerjasama Industri**

*Amguruh Pusat Pengajian/  
Sokongan Akademik Cemerlang*

**Pusat Pengajian Inovasi  
Perniagaan dan  
Teknousahawan**

**Pusat Pengajian  
Kejuruteraan Sistem  
Elektrik**

*Amguruh Kecekapan  
Penyelidikan*

[ANTARABANGSA]

**INVENTIONS 2011, GENEVA**

**Pingat: EMAS**

**Dr. Hakimah Osman**  
Tajuk: Durio – Plast: As  
BioDegradable Polymer  
Composite

**PM Ir. Dr. Kenneth Sundaraj**  
Lam Chee Kiang  
Tajuk: Eye-Sim

**Pingat: PERAK**

**PM Dr. Paulraj M. P.**  
PM Dr. Hazry Desa  
Norasmadi Abdul Rahim  
Wan Mohd Ridzuan  
Sathees Kumar Nataraj  
Raj Kumar Palaniappan  
Tajuk: An Intelligent Sign  
language to Voice  
Communication System for  
Hearing Impaired

**Dr. Supri A. Ghani**  
PM Dr. Ir. Salmah  
Tan Soo Jin  
Tajuk: Green Polymer From  
Modified Water Hyacinth  
Fibers

**IENTA 2011, NUREMBERG**

**Pingat: EMAS**

**Abu Hassan Abdullah**  
Dr. Supri A. Ghani  
PM Dr. Abdul Hamid Adom  
Prof. Dr. Ali Yeon M. Shakaff  
Prof. Dr. Mohd. Noor Ahmad  
Erdy Sulino Md. Muslim Tan  
Ammar Zakaria  
Nazifah Ahmad Fikri  
Tajuk: E-K9 (Electronic  
Hound For Hazardous  
Chemical Detection)

**Prof. Dr. Ali Yeon Md.  
Shakaff**  
PM Dr. Abdul Hamid Adom  
Prof. Dr. Mohd. Noor Ahmad  
Abu Hassan Abdullah  
Ammar Zakaria  
Tajuk: Sensor System For  
Honey Quality Assessments

**Ammar Zakaria**  
Prof. Dr. Ali Yeon M. Shakaff  
Prof. Dr. Mohd. Noor Ahmad  
PM Dr. Abdul Hamid Adom  
PM Dr. Mahmud Nor Jaafar  
Abu Hassan Abdullah  
Latifah Munirah Kamarudin



Sakinah Zakaria  
Erdy Sulino Md. Muslim Tan  
Nor Muzakkir Nor Ayub  
W Md. Nooriman W Yahya  
Tajuk: PerfectFruits (Multi  
Sensing Fruit Grading  
system)

**Pingat: PERAK**

**PM Dr. Abdul Hamid Adom**  
Prof. Dr. Ali Yeon M. Shakaff  
Abu Hassan Abdullah  
Jefri Efendi Mohd Salih  
Dr. Supri A. Ghani  
Ammar Zakaria  
Erdy Sulino Md. Muslim Tan  
Nazifah Ahmad Fikri  
Tajuk: Hybrid Water Quality  
Monitoring System

**BIS 2011, LONDON**

**Pingat: EMAS**

**Mohd Mustafa Al Bakri  
Abdullah**  
Dato' Prof. Dr. Kamarudin  
Hussin  
Prof. Mohammed Hussain  
PM Che Md. Ruzaidi Ghazali  
Mohamad Tamizi Selimin  
Norazian Mohamed Noor  
Rafiza Abdul Razak  
Zarina Yahya  
Tajuk: A Novel  
Environmental Friendly  
Cement and Concrete

**Prof. Dr. Ismail Daut**  
Muhammad Irwanto Misrun  
Gomesh Nair Shasidharan  
Noor Syafawati Ahmad  
Mohd. Irwan Yusoff  
Muhd Ezzani Mat Salleh  
Ernie Che Mid  
Shatri Champakeow  
Tajuk: Photovoltaic Powered  
Inverter without  
Transformer

**Prof. Dr. Syed Alwee Aljunid  
Syed Junid**

Dr. Hilal Adnan Fadhill.  
Ir. Anuar Mat Safar  
Thanaa Hussein Abd  
Hamza M.R. Al-Khafaji  
Junita Mohd Nordin  
Amir Razif Arief Jamil Abd.  
Tajuk: OCDMA Systems  
Using Random Diagonal  
Code

**Pingat: PERAK**

**Jefri Efendi Mohd Salih**  
PM Dr. Abdul Hamid Adom  
Erdy Sulino Md. Muslim Tan  
Bukhari Ilias  
Tajuk: Agriculture  
Fertigation Robot

**SIIF 2011, SEOUL, KOREA**

**Pingat: EMAS**

**Prof. Dr. Uda Hashim**  
Azizullah Saifullah  
Muhamad Emi Azri Shohini  
Thikra S. Dhahi  
Tajuk: Lab-On-A-Chip  
Nanogap Device for Label-  
Free Detection

**Prof. Dr. Mohd Noor Ahmad**  
Iqmal Tahir  
Dr. AKM Shafiqul Islam  
Tajuk: A Novel Material for  
Green Extraction  
Technology of Bioactive  
Flavonoids Compounds as  
Nutraceuticals

**Masitah Hasan**  
Zulfakar Mokhtar  
Tajuk: COPA BEAD:  
Composite Beads From  
Chitosan & Palm Ash For  
Sorption Of Dye From  
Textile Industry

**PM Dr. R. Badlishah Ahmad**  
Saidatul Norlyana Azemi  
Soh Ping Jack  
Azremi Abdullah Al- Hadi  
Nurul Husna Mat Rais  
Mohamad Ezral Baharudin  
Muhd Ezanuddin Abdul Aziz  
Nornikman Hassan  
Tajuk: 1Antenna: A Novel  
Antenna for Wireless  
Applications

**Pingat: PERAK**

**Norshah Afizi Shuaib**  
Mohd Fathullah  
Ghazli@Ghazali  
Shayfull Zamree Abd. Rahim  
Muhamad Farizuan Rosli  
Radhwan Hussin  
Tajuk: New Discovery Design  
Of Side Arm For Catheters  
Manufacturing Process

**Prof. Dr. Uda Hashim**  
Muhammad Kashif  
Tajuk: Zinc Oxide Nano  
Structure Based-sensor for  
Medical Applications

**Vithyacharan Retnasamy**  
PM Zaliman Sauli  
W Mokhzani W Norhaimi  
Nurhafizah Ramli  
Mohd Hafiz Abd. Aziz  
Ruhaizi Mohd Hatta  
Bahari Man  
Mohd Sallehudin Saad  
Tajuk: Optical Face –  
Contour Analysis – O.F-C.A

**Tunku Muhammad Nizar  
Tunku Mansur**  
Prof. Dr. Ismail Daut  
Rosnazri Ali

Nor Hanisah Baharudin  
Tajuk: Universal Power  
Switching Generator

**Pingat: GANGSA**

**Dr. Mohd. Fareq Abd.Malek**  
Muhd Ezanuddin Abdul Aziz  
Soh Ping Jack  
Nornikman Hassan  
Nurul Husna Mat Rais  
Tajuk: 'Haps Air' A Novel  
High Altitude Platform  
Station (HAPS) Antenna  
Using Circular Split Ring  
Resonator

**INOVA 2011, CROATIA**

**Pingat: EMAS**

**Ir. Anuar Mat Safar**  
Prof. Dr. Syed Alwee Aljunid  
Syed Junid  
Amir Razif Arief Jamil Abd.  
Junita Mohd Nordin  
Dr. Hilal Adnan Fadhill  
Thanaa Hussien Abd  
Tajuk: Novel OCDMA Code  
For Gigabit Symmetric FTTH  
System

**PM Dr. Hazry Desa**  
Dr. Syed Omar Syed Mohd  
Shayfull Zairi Ahmad Subhi  
Zul Azfar Ahmam  
Muhamad Firdaus  
Muhamad Dali  
Tajuk: e-SAVE:Easy Sprayer  
Aerial Vehicle

**Mohd Mustafa Al Bakri  
Abdullah**  
Dato' Prof. Dr. Kamarudin  
Hussin  
Prof. Mohammed Hussain  
PM Che Md. Ruzaidi Ghazali  
Norazian Mohamed Noor  
Liew Yun Ming  
Heah Cheng Yong  
Tajuk: A Novel Green  
Cement

**PM Che Mohd. Ruzaidi  
Ghazali**  
Dato' Prof. Dr. Kamarudin  
Hussin  
M.Mustafa AlBakri Abdullah  
Mohamed Faisal Mohd Nor  
Maizatulinisa Othman  
Norzaidi Zainol  
Tajuk: RP Fiber – Recycled  
Plactic Fiber

**Pingat: PERAK**

**Dr. Mukhzeer Mohamad  
Shahimin**  
Tajuk: Advance CdTe Cell

**PM Dr. Hazry Desa**  
Dr. Syed Omar Syed Mohd  
Muhamad Firdaus  
Muhamad Dali

Zul Azfar Ahmam  
Shayfull Zairi Ahmad Subhi  
Tajuk: AQUA-X Robot:  
Quadro Control Underwater  
Mobile Robot

**Pingat: GANGSA**

**Shayfull Zamree Abd.  
Rahim**  
Radhwan Hussin  
Norshah Afizi Shuaib  
Muhamad Farizuan Rosli  
Mohd. Fathullah Ghazli  
Tajuk: Dried Chili Seed  
Separating Machine

**IWIS 2011, POLAND**

**Pingat: EMAS**

**Abu Hassan Abdullah**  
PM Dr. Abdul Hamid Adom  
Prof. Dr. Ali Yeon M. Shakaff  
Prof. Dr. Mohd. Noor Ahmad  
Dr. Supri A. Ghani  
Erdy Sulino Md. Muslim Tan  
Ammar Zakaria  
Nazifah Ahmad Fikri  
Tajuk: E-K9

**Prof. Dr. Ali Yeon Md.  
Shakaff**  
PM Dr. Abdul Hamid Adom  
Prof. Dr. Mohd. Noor Ahmad  
Abu Hassan Abdullah  
Ammar Zakaria  
Tajuk: Sensor System For  
Honey Quality Assessments

**PM Dr. Abdul Hamid Adom**  
Prof. Dr. Ali Yeon M. Shakaff  
Abu Hassan Abdullah  
Jefri Efendi Mohd. Salih  
Dr. Supri A. Ghani  
Ammar Zakaria  
Erdy Sulino Md. Muslim Tan  
Nazifah Ahmad Fikri  
Tajuk: HATS4aqua

**Pingat: PERAK**

**Ammar Zakaria**  
Prof. Dr. Ali Yeon M. Shakaff  
Prof. Dr. Mohd. Noor Ahmad  
PM Dr. Abdul Hamid Adom  
PM Dr. Mahmad Nor Jaafar  
Abu Hassan Abdullah  
Latifah Munirah Kamarudin  
Sakinah Zakaria  
Erdy Sulino Md. Muslim Tan  
W Md. Nooriman W Yahya  
Nor Muzakkir Nor Ayob  
Tajuk: PerfectFruits

[KEBANGSAAN]

**MTE, 2011**

**Pingat: EMAS**

**Prof. Dr. Uda Hashim**  
Thikra S. Dhahi  
Muhamad Emi Azri Shohini



**Tajuk:** Nano-Biochip By Size Expansion Technique For Label Free Detection

**Prof. Dr. Syed Alwee Aljunied Syed Junid**

Muthana Yassen Kydir  
Ir. Anuar Mat Safar  
Dr. Hilal Adnan Fadhlil  
Mohammad Nazri Md Noor  
Thanaa Hussein Abd  
**Tajuk:** Modified Double Weight (MDW) Code For OCDMA FSO - FTTH Network Using FPGA

**Shayfull Zamree Abd. Rahim**

Radhwan Hussin  
Norshah Afizi Shuaib  
Muhamad Farizuan Rosli  
Mohd. Fathullah Ghazli  
**Tajuk:** Dried Chili Seed Separating Machine

**Dr. Mohd. Fareq Abd. Malek**

Mohd. Hafizuddin Mat  
Suzanna Harun Roland  
Ismahayati Adam  
Satea Hikmat  
**Tajuk:** Switched Parasitic Patch Antenna Array For Smart Antenna Applications

**Pingat: PERAK**

**Hairul Nazirah Abdul Halim**

PM Dr. Md Zulkali Md Daud  
Dr. Muhd Syarhabil Ahmad  
Maizatul Akmam Ahmad  
Azalina Mohamed Nasir  
**Tajuk:** Production Of A Novel Antihyper-tensive Drug Through Enantioselective Extraction

**Muhamad Farizuan Rosli**

Shayfull Zamree Abd. Rahim  
Mohd Azaman Md. Deros  
Radhwan Hussin  
Muhd Aiman Ahmad Fozil  
Mohd. Effendi Muhd Suandi  
**Tajuk:** Roselle Seed Capsule Cutting Machine

**Nor Zaiazmin Yahaya**

Azuwir Mohd. Nor  
Mohd Sabri Hussin  
**Tajuk:** Innovative Poultry Hatching Machine

**Mat Nor Mohamad Ismail**

Prof. Dr. Md. Zaki Ab. Muin  
Muhamad Asmi Romli  
Irfan Abd. Rahim  
**Tajuk:** Development Of Computer Control For Gallus Gallus Domesticus Egg Hatching Machine Using NI cDAQ & LabView

**Mohd Mustafa Al Bakri Abdullah**

Dato' Prof. Dr. Kamarudin Hussin  
Prof. Mohammed Hussain  
PM Che Md. Ruzaidi Ghazali  
Noraziman Mohamed Noor  
Liew Yun Ming  
Heah Cheng Yong  
**Tajuk:** A Novel Green Cement

**Muhammad Khairy Md. Naim**

Nurul Ikmar Ibrahim  
Mohd. Effendi Muhd Suandi  
Mohd. Sabri Hussin  
Mohd. Hazwan Hussin  
Mohamed Faisol Mohd Nor  
Mohd. Syedi Imran Md Dawi  
**Tajuk:** Corn Grill Machine

**Mohd. Nasir Mat Saad**

Roshaliza Hamidon  
Md Khairul Fadzly Abu Bakar  
**Tajuk:** Portable Electric Motor For Bicycle

**Pingat: GANGSA**

**Hasliza A. Rahim @ Samsudin**

PM Dr. R. Badlishah Ahmad  
Dr. Mohd. Fareq Abd. Malek  
A'ini Syuhada Md. Zain  
W Nur Suryani Firuz Ariffin  
**Tajuk:** Low Cost Embedded DSP Based System For Vehicle Locator & Remote Monitoring System

**Dr. Mohd. Fareq Abd. Malek**

Nurul Husna Mat Rais  
Soh Ping Jack  
Muhd Ezanuddin Abdul Aziz  
Nur Baya Mohd. Hashim  
**Tajuk:** WFTA-Wearable Textile Flexible Antenna

**PM Dr. Hazy Desa**

Muhd Firdaus Muhd Dali  
**Tajuk:** Sea X- Robot: Quadro Robot Underwater Mobile Robot

**Nur Juliana Juhari**

Nur Syakimah Ismail  
**Tajuk:** MFSFET: Next Generation ULSI DRAM's

**Salsuwanda Selamat**

**Tajuk:** Energy Saving Ground-sink Air Conditioning for Building Acclimatization

**Phak Len Eh Kan**

Aznor Hanah Abdul Halim  
Hazila Othman  
Lam Chee Yuen  
**Tajuk:** An FPGA-Based Control Unit For High Speed Electric Train Velocity,

**Distance Meter & Train Auto-Throttle**

**Dr. Hilal Adnan Fadhlil**

Prof. Dr. Syed Alwee Aljunied  
Syed Junid  
Satea Hikmat  
Dr. Mohd. Fareq Abd. Malek  
Ir. Anuar Mat Safar  
**Tajuk:** Sky Mesh Network For Malaysian Rural Areas Based On An OCDMA High Altitude Platform Stations (HAPS)

**Wan Mohd Nooriman Wan Yahya**

Dr.W Khairunizam W Ahmad  
Norasmadi Abdul Rahim  
Mohd. Rudzuan Mohd. Nor  
Mohd. Azri Abd. Aziz  
Mohammad Firdaus Rejab  
**Tajuk:** SMS Based Car Security System

**Prof. Dr. R. Nagarajan**

Bukhari Ilias  
Awang Sabri Awang Omar  
Muhd Asyraf Abdul Rahman  
**Tajuk:** Nurse Following Hospital Robot With Special Wheels & Sensor Integration

**Abu Hassan Abdullah**

PM Dr. Abdul Hamid Adom  
Prof. Dr. Ali Yeon M. Shakaff  
Prof. Dr. Mohd. Noor Ahmad  
Erly Sulino Md. Muslim Tan  
Ammar Zakaria  
Norasmadi Abdul Rahim  
Mohd Hanif Abdul Hamid  
Jefri Efendi Mohd Salih  
**Tajuk:** An Early Detection Of Basal Stem Rot (BSR) Disease In Oil Palm Trunk Using Intelligent Autonomous Robot

**Prof. Dr. R. Nagarajan**

Bukhari Ilias  
Yew Yum Wah  
Yeoh Shiau Yunn  
**Tajuk:** A Spider Like Map Building Robot To Investigate The Presence Of Object In Debris-Cluttered Environment

**Prof. Dr. Ismail Daut**

Syafuruddin Hasan  
Mohd. Irwan Yusoff  
Risnidar Chan  
Gomesh Nair Shasidharan  
Surya Hardi  
Chan Kok Cheong  
Tan Kooi Heang  
**Tajuk:** Speed & Direction Controller Of DC Motor By SCRs Switching

**Dr. Mukhzeer Mohamad Shahimin**

**Tajuk:** Hybrid MOFS

**Dr. Asral Bahari Jambek**

Lee Kar Leong  
**Tajuk:** Seeing is Believing: Efficient Object Detection & Tracking Algorithm For Computer Vision

**PM Dr. Bhuvnesh Rajamony**

M. Hafidz Norizaman  
**Tajuk:** Automated Special Attachment For Plasma Cutting For Small Manufacturing Enterprise (SME)

**Prof. Dr. Ismail Daut**

Gomesh Nair Shasidharan  
Nor Shafiqin  
Yanawati Yahaya  
Pungut Ibrahim  
**Tajuk:** The Effect Of Different Stator Slot Size On Induction Motor's Stator Copper Loss

**ITEX 2011**

**Pingat: EMAS**

**PM Dr. Mohamed Zulkali Mohamed Daud**

Noor Hasyierah Md. Salleh  
Mohd. Qalani Che Kasim  
Mohammad Fahmi Ramli  
Muhammad Hafizal Fazil  
**Tajuk:** REEZEE: Biofragrance Of Paddy Straw

**Prof. Dr. Uda Hashim**

Thikra S. Dhahi  
Muhamad Emi Azri Shohini  
Nazwa Taib  
**Tajuk:** Size Reduction Technique For Lab-On-A-Chip Fabrication

**Prof. Dr. Syed Alwee Aljunied Syed Junid**

Thanaa Hussein Abd  
Muthana Yassen Kydir  
Ir. Anuar Mat Safar  
Dr. Hilal Adnan Fadhlil  
Mohammad Nazri Md. Noor  
**Tajuk:** Dynamic Cyclic Shift (DCS) Code For OCDMA FTTH Network Using FPGA Based

**Dr. Neoh Siew Chin**

**Tajuk:** Ga-Pso Leco Model For Parameter Optimization In Tennessee Eastman Chemical Process

**Prof. Dr. Ismail Daut**

Saidatul Shema Saad  
Muhamad Irwanto Misrun  
Noor Syafawati Ahmad  
Mohd. Irwan Yusoff  
Nurul Razliana Abdul Razak  
Farhana Zainuddin  
Gomesh Nair Shasidharan  
**Tajuk:** Inverter With



Improved Power Factor For Photovoltaic Application

**Dr. Mohd. Faraq Abd. Malek**  
Wee Fwen Hoon  
Tajuk: Smart Materials In The Sky

**Prof. Dr. Ismail Daut**  
Gomesh Nair Shasidharan Yanawati Yahaya Pungut Ibrahim Nor Shafiqin Saidatul Shema Saad Muhammad Irwanto Misrun  
Tajuk: Efficiency Increment Of 0.5hp Induction Motor By Using Different Thickness Of Rotor Lamination Steel Sheet And Bar Size

**Dr. Asral Bahari Jambek**  
Dr. Mohd Halim Abd. Wahid Ahmad Husni Mohd. Shapri  
Tajuk: Video Zipper: Energy Saving Technique To Compress Video Using Motion Prediction

**PM Dr. Abdul Hamid Adom**  
Prof. Dr. Ali Yeon M. Shakaff Abu Hassan Abdullah Jefri Efendi Mohd Salih Dr. Supri A. Ghani Ammar Zakaria Erdy Sulino Md. Muslim Tan Latifah Munirah Kamarudin Fathinul Syahir Ahmad Sa'ad Kamarulnoman Kamarudin W Md Nooriman Wan Yahya  
Tajuk: Networked Control Systems For Intelligent Green Buildings (NETCOSYS)

**Dr. Mukhzeer Mohamad Shahimin**  
Tajuk: Advance CdTe Cell

**PM Dr. R. Badlishah Ahmad**  
Dr. Abid Yahya Aznor Hanah Abdul Halim Md. Mostafijur Rahman Naufal Alea  
Tajuk: SNETMON: Smart Network Traffic Monitoring

**Pingat: PERAK**

**Md. Arif Anuar Md. Salleh**  
Muhd Hafiz Zan @ Hazizi M. Mustafa AlBakri Abdullah Wan Md. Arif Wan Ibrahim Prof. Dr Zainal Ariffin Ahmad Dr. Khairul Rafezi Ahmad Dr. Mohd. Nazree Derman Prof. Dr. Shamsul Baharin Jamaludin Dato' Prof. Dr. Kamarudin Hussin  
Tajuk: Robust Novel Green Nano Composite Solder

**Dr. Supri A. Ghani**  
Prof. Dr. Ali Yeon M. Shakaff PM Dr. Ir. Salmah Ammar Zakaria Abu Hassan Abdullah Abdul Hallis Abdul Aziz Tan Joo Sin  
Tajuk: A New Potential Organo Metallic Conductive Polymer As A Sensor For BTEX Detector

**Dr. Irwana Nainggolan**  
Dr. Khairul Rafezi Ahmad Tulus Ikhsan Nasution  
Tajuk: Utilization Of Waste Product Of Crab Shells For Heavy Metals Sensor Fabrication

**PM Dr. Ir. Salmah Huseinsyah**  
Koay Seong Chun Dr. Supri A. Ghani  
Tajuk: Environmental Friendly Corn Stalk Green Composites

**Dato' Prof. Dr. Kamarudin Hussin**  
Khairul Anuar Abdul Halim M Mustafa Al Bakri Abdullah PM Che Md. Ruzaidi Ghazali  
Tajuk: Polymer Nano Composite Angioplasty Balloon

**Hafiza Shukor**  
Ahmad Anas Nagoor Gunny  
Tajuk: Oligo-Fortified Recipe™; Value Added Enhance Ingredient

**Zulkarnay Zakaria**  
Prof. Dr. Szazali Yaacob Prof. Dr. Ruzairi Abd Rahim Md. Hafiz Fazalul Rahiman Nor Muzakir Nor Ayub  
Tajuk: Magnetic Induction Tomography (MIT) Imaging System For Agricultural Industry

**Azmi Harun**  
Md. Khairul Fadzly A. Bakar Mohd. Nasir Mat Saad Muhd Khairy Md. Naim Mohd. Effendi Muhd Suandi  
Tajuk: 2 In 1 Coconut Milk Machine (Combination Between Grater Coconut Machine And Extracting Coconut Machine)

**Suhaimi Illias**  
Mohamad Hatta Musa Narzrezal Abdul Razak  
Tajuk: Low Cost Product From Rice Husk

**Prof. Ir. Dr. Rezuwan Kamaruddin**  
Prof. Dr. Syed Alwee Aljunid Syed Junid

Naseer Sabri Salim  
Tajuk: Pest Burner Implement - An Alternative To Replace Hazardous Pesticides

**PM Che Mohd. Ruzaidi Ghazali**  
Dato' Prof. Dr. Kamarudin Hussin M. Mustafa AlBakri Abdullah Mohd Faisal Mohamed Nor MaizatulNisa Othman  
Tajuk: RF Fiber - Recycled Plastic Fiber

**Dr. Hakimah Osman**  
Tan You How  
Tajuk: "GREEN CARCELL" As Reinforced Composites

**Dato' Prof. Dr. Kamarudin Hussin**  
PM Che Md. Ruzaidi Ghazali M. Mustafa AlBakri Abdullah Mohd Faisal Mohamed Nor Shayfull Zamree Abd. Rahim Radhwan Hussin Muhd Khairy Md. Naim Amarul Talip  
Tajuk: Smart Qiblat

**Latifah Munirah Kamarudin**  
PM Dr. R. Badlishah Ahmad Prof. Dr. Ali Yeon M. Shakaff PM Dr. Mahmad Nor Jaafar Nasrudin Abd. Shukor Dato' Prof. Dr. Kamarudin Hussin Ammar Zakaria Dr. Ong Bi Lynn  
Tajuk: AGROSENSE

**Sharulnizam Mohd. Mukhtar**  
Wan Mohd Faizal Wan Nik PM Abd Rahman Md. Saad  
Tajuk: Bluetooth Controlled Switches For Home Appliances

**Syed Zulkarnain Syed Idrus**  
Prof. Dr. Syed Alwee Aljunid Syed Junid Norshahrizan Nordin  
Tajuk: On-Line Claims System (ONCLAS)

**Sahadah Ahmad**  
Nur Baya Mohd. Hashim  
Tajuk: The Investigation Of Performance On Textile Antenna For Flat & Bent Condition Over On-Body Communication

**Muhammad Khairy Md. Naim**  
Mohd. Sabri Hussin Mohd. Effendi Muhd Suandi Nurul Ikham Ibrahim Azmi Harun Mohd. Hazwan Hussin Mohd Faisal Mohamed Nor

Md. Syedi Imran Md. Dawi  
Tajuk: "Keropak Lektor" Extrusion Machine

**Ammar Zakaria**  
Prof. Dr. Ali Yeon M. Shakaff Prof. Dr. Mohd. Noor Ahmad PM Dr. Abdul Hamid Adom PM Dr. Mahmad Nor Jaafar Latifah Munirah Kamarudin Fathinul Syahir Ahmad Sa'ad Abu Hassan Abdullah  
Tajuk: Fusion Of Visible And Infrared Camera For Realtime Safety And Security : Detection Beyond The Visible

**Ir. Anuar Mat Safar**  
Prof. Dr. Syed Alwee Aljunid Syed Junid  
Tajuk: FTTH Based Home Gateway Using ZCC OCDMA System

**Mohd. Alif Hasmani Abd. Ghani**  
Dr. Ong Bi Lynn  
Tajuk: Enhanced-TCP In Wireless Mesh Network

**Bibi Nadia Taib**  
Basiroh Zainol Abidin Norhayati Sabani Hasnizah Aris Mohd. Hafiz Ismail  
Tajuk: Piezoelectric Micro Pump For Medical Applications

**Radhwan Hussin**  
Shayfull Zamree Abd. Rahim Muhamad Farizuan Rosli Norshah Afizi Shuaib Mohd. Fathullah Ghazli  
Tajuk: Kapok Separating Machine

**Zulkifli Husin**  
Prof. Dr. Ali Yeon Md Shakaff Abdul Hallis Abdul Aziz Rohani S. Mohamed Farook Nor Amirul Noraini Mohamad Syahir Md. Kamar  
Tajuk: Automatic Monitoring Plant (Chilli) Disease Detection System

**Pingat: GANGSA**

**Prof. Dr. Uda Hashim**  
Muhamad Emi Azri Shohini Azizullah Saifullah  
Tajuk: Mask Aligner for Education. "Low Cost Tool for High Tech Learning"

**Zulkifli Husin**  
Abdul Hallis Abdul Aziz Rohani S. Mohamed Farook N Amirul Noraini@Che Ani Mohd Syahir Mohd. Kamar  
Tajuk: A Low Cost Smart Vehicle Security System



**Mohd. Effendi Muhammad Suandi**

Shayfull Zamree Abd. Rahim  
Mohd. Sabri Hussin  
Mohd. Azaman Md. Deros  
Muhd Khairy Md. Naim  
Muhd Aiman Ahmad Fozi  
**Tajuk:** Let's Shop Scooter

**Muhammad Salihin Zakaria**

Dato' Prof. Dr. Kamarudin Hussin  
PM Che Md. Ruzaidi Ghazali  
M. Mustafa AlBakri Abdulllah  
Muhd Qauyum Zawawi  
Ahmad Suffin  
Mohd Faisal Mohamed Nor  
Ahmad Azrem Azmi  
**Tajuk:** Crystal-Like Polystyrene Via Simple Process

**Dr. Shahriman Abu Bakar**

Dr.W Khairunizam W Ahmad  
Dr. Siti Khadijah Zaaba  
Lim Chong Seng  
**Tajuk:** A Novel Development Of Drug Detection System Using Bees

**PM Ir. Dr. Kenneth Sur daraj**

Sim Kwoh Fung  
**Tajuk:** My COACH - Sports Motion Coaching System

**PM Dr. Johari Adnan**

Prof. Dr. Zul Azhar Zahid Jamal  
**Tajuk:** Simple, Low Cost And Disposable Top Soil Moisture Content Sensor/ Instrument

**Umar Kassim**

Nur Fatiha Mohamad Yusup  
Mokhzani Khair Ishak  
Md. Hadli Abu Hassan  
**Tajuk:** Sustainable Crumb Rubber Mortar Porous Paving

**Nur Hamidah Abdul Halim**

Chong Soon Weng  
Low Foo Wah  
Prof. Dr. Uda Hashim  
**Tajuk:** Chemical Field Sffect Transistor

**Norizan Mohamed Nawawi**

Mat Nor Mohamad Ismail  
Muhamad Asmi Romli  
Ismahayati Adam  
Prof. Dr. Syed Alwee Aljunid Syed Junid  
**Tajuk:** Design & Development Of On-Line Optical Power Measurement System For Calibration Purpose

**Jefri Efendi Mohd Salih**

PM Dr. Abdul Hamid Adom  
Erdy Sulino Md. Muslim Tan  
**Tajuk:** Wireless Solar

Powered Ph Monitoring System (WISDOM-PH)

**PECIPTA 2011**

**Pingat: EMAS**

**Mohd Mustafa Al Bakri Abdullah**

Dato' Prof. Dr. Kamarudin Hussin  
Prof. Mohammed Hussain  
PM Che Md. Ruzaidi Ghazali  
Mohamad Tamizi Selimin  
Norazian Mohamed Noor  
Rafiza Abdul Razak  
Zarina Yahya  
**Tajuk:** A Novel An Environmental Friendly Cement And Concrete

**Prof. Dr. Uda Hashim**

Muhamad Emi Azri Shohini  
Azizullah Saifullah  
**Tajuk:** Mask Aligner For Education And Research

**Ir. Anuar Mat Safar**

Prof. Dr. Syed Alwee Aljunid Syed Junid  
Mat Nor Mohamad Ismail  
**Tajuk:** ZCC-OCDMA Code For Multi-Service Home Gateway Based On FTTH Access Network

**Dr. Mohd. Fareq Abd. Malek**

Nornikman Hassan  
Dr. Supri A. Ghani  
Dr. Mohd. Faizal Jamlos  
Soh Ping Jack  
Azremi Abdullah Al-Hadi  
Muhammad Shafiq Mezan  
**Tajuk:** Huskober – A Novel Pyramidal Microwave Absorber Using Rice Husk

**Prof. Dr. Syed Alwee Aljunid Syed Junid**

Muthana Yassen Kydir  
Ir. Anuar Mat Safar  
Dr. Hilal Adnan Fadhil  
Mohammad Nazri Md. Noor  
Thanaa Hussein Abd  
Hamza M.R. Al-Khafaji  
**Tajuk:** Modified Double Weight(MDW) Code For OCDMA FTTH Network Using FPGAs Based

**Prof. Dr. Uda Hashim**

Muhammad Naim Haron  
Muhamad Emi Azri Shohini  
**Tajuk:** High Precision ISFET

**Prof Dr. Ismail Daut**

Muhammad Irwanto Misrun  
Gomesh Nair Shasidharan  
Noor Syafawati Ahmad  
Mohd. Irwan Yusoff  
Mohd Ezzani Mat Salleh  
Ernie Che Mid  
Shatri Champakeow

Tajuk: Photovoltaic Powered Inverter Without Transformer

**Dr. Mohd. Fareq Abd. Malek**

Dr. Mohd. Faizal Jamlos  
Muhd Ezanuddin Abdul Aziz  
Soh Ping Jack  
**Tajuk:** Development Of High Dielectric Ring With A Metamaterial Shaped Antenna

**Pingat: PERAK**

**Dr. Hilal Adnan Fadhil**

Prof. Dr. Syed Alwee Aljunid Syed Junid  
Ir. Anuar Mat Safar  
Mohammad Nazri Md. Noor  
Hamza M.R. Al-Khafaji  
Ibraheem Fadhil  
**Tajuk:** Triple Play Services Of OCDMA System Using Random Diagonal Code

**Prof. Dr. Uda Hashim**

Nazwa Taib  
Thikra S. Dhahi  
Muhamad Emi Azri Shohini  
**Tajuk:** Size Expansion Lithography For Lab-On-A-Chip Application

**Dr. M. Murugappan**

**Tajuk:** Development Of Intelligent Neuro Marketing System Based On Human Brain Signals

**PM Ir. Mohd. Ichwan Nasution**

Dato' Prof. Dr. Kamarudin Hussin  
Prof. Dr. Shamsul Baharin Jamaludin  
Dr. Khairul Rafezi Ahmad  
Ruhiyuddin Mohd. Zaki  
Chek Idrus Omar  
Norzaidi Zainol  
**Tajuk:** A Novel Aluminium-Polypropylene Materials For Decoration Product

**Shaiful Rizam Shamsudin**

Md. Hashahrin Firdaus Az'ri  
M. Mustafa AlBakri Abdullah  
PM Che Md. Ruzaidi Ghazali  
Dato' Prof. Dr. Kamarudin Hussin  
Dr. Mohd. Nazree Derman  
**Tajuk:** BIOHIMAG: Biofriendly, High Potential & High Efficiency Magnesium Sacrificial Anode

**Pingat: GANGSA**

**Dr. Mukhzeer Mohamad Shahimin**

**Tajuk:** A Novel Hybrid Micro-Optofluidic System

(MOFS) For Stem Cell Sorting

**Ammar Zakaria**

Prof. Dr. Ali Yeon M. Shakaff  
Prof. Dr. Mohd. Noor Ahmad  
PM Dr. Abdul Hamid Adom  
PM Dr. Mahmad Nor Jaafar  
Latifah Munirah Kamarudin  
Md. Hafiz Fazalul Rahiman  
Nor Muzakkir Nor Ayub  
**Tajuk:** Online Firmness Detection Using Acoustic Sensor (ACUSEN)

**Dr. Abid Yahya**

Prof. Dr. Farid Ghani  
PM Dr. R. Badlishah Ahmad  
Mohd Shuhaizal Abu Hassan  
Md. Mostafijur Rahman  
**Tajuk:** An OFDM Communication Over Synchronized Channels

**Assoc. Prof. Dr. Yarub Al-Douri**

Prof. Dr. Uda Hashim  
**Tajuk:** Ameliorate Solar Cell Performance Based On Porous Silicon Surface

**Dr. Supri A. Ghani**

PM Dr. Ir. Salmah  
Ammar Zakaria  
Tan Soo Jin  
**Tajuk:** CELL-METH: Cellulose Methacrylate From Water Hyacinth (Eichhornia Crassiper) As Filler Reinforced In Thermoplastic

**PM Dr. Paulraj M.P.**

PM Dr. Abdul Hamid Adom  
Prof. Dr. Szalzi Yaacob  
Jefri Efendi Mohd Salih  
Erdy Sulino Md. Muslim Tan  
Sathees Kumar Nataraj  
**Tajuk:** An Intelligent Communication System For Neuromuscular Disorder Patients

**Zol Bahri Razali**

Fahisal Abdullah  
**Tajuk:** Testing Kit For Measuring Practical Intelligence In Diagnosing Equipment Faults

**Dr. Mst. Noorzahan Begum**

Dr. Md. Fazlul Bari  
Dr. Khairul Rafezi Ahmad  
Prof. Dr. Shamsul Baharin Jamaludin  
**Tajuk:** Hydrophobic Silica Aerogel For Metal Removal

**Dr. Hakimah Osman**

Nor Azura Abdul Rahim  
Tan You How  
Dr. Du Ngoc Uy Lan  
**Tajuk:** PAPER NAPP: Evolution Of Foaming Polymer Composites



**Dr. Abid Yahya**  
Prof. Dr. Farid Ghani  
PM Dr. R. Badlishah Ahmad  
Fazrul Faiz  
Sardar Ali  
**Tajuk:** A Newly Design  
Quasi-Cyclic Low Density  
Parity Check Codes With  
Robust Decoder

**PM Dr. Abdul Hamid Adom**  
Prof. Dr. Ali Yeon M. Shakaff  
Prof. Dr. Mohd. Noor Ahmad  
PM Dr. Mahmud Nor Jaafar  
Ammar Zakaria  
Abu Hassan Abdullah  
Fathinul Syahir Ahmad Sa'ad  
Kamarulzaman Kamarudin  
Sakinah Zakaria  
Latifah Munirah Kamarudin  
W Md. Nooriman W Yahya  
**Tajuk:** Automated Intelligent  
Grading System For Local  
Fruits Using Vision Infrared  
E-Nose & Acoustic :  
Connecting Biology With  
Technology

**Prof. Dr. Uda Hashim**  
Muhammad Kashif  
Foo Kai Loong  
**Tajuk:** ZNO Nanoporous For  
Sensing Application

#### BIOMALAYSIA 2011

**Pingat:** EMAS

**Dr. Supri A. Ghani**  
PM Dr. Ir. Salmah  
Tan Soo Jin  
**Tajuk:** A New Binder Based  
On Coconut Oil For Eggshell  
Composites

**Prof. Dr. Uda Hashim**  
Md. Eaqub Ali  
Muhamad Emi Azri Shohini  
**Tajuk:** Nano-Bio-Probe for  
Label Free Detection of  
Thermo Stable Pork DNA-  
Markers in Processed Foods  
and Mixed Meats for Halal  
Authentication

**Pingat:** PERAK

**Zulkifli Husin**  
Abdul Hallis Abdul Aziz  
Rohani S. Mohamed Farook  
N Amirul Noraini@Che Ani  
Mohd Syahir Mohd. Kamar  
**Tajuk:** Low Cost Fruit  
Ripeness Determination  
System

**Prof. Ir. Dr. Rezuwan  
Kamaruddin**  
Prof. Dr. Syed Alwee Aljunied  
Syed Junid  
Naseer Sabri Salim  
**Tajuk:** Horticultural Pest  
Burner – A Green Pest  
Control To Replace

Hazardous Pesticides

**Prof. Dr. Ali Yeon Md.  
Shakaff**  
Dr. Supri A. Ghani  
Ammar Zakaria  
PM Dr. Abdul Hamid Adom  
PM Dr. Mahmud Nor Jaafar  
Fathinul Syahir Ahmad Sa'ad  
W Md. Nooriman W Yahya  
Abdul Hallis Abdul Aziz  
Latifah Munirah Kamarudin  
Kamarulzaman Kamarudin  
Shaharil Mad Saad  
Sy Muhd Mamduh S Zakaria  
**Tajuk:** Nutrient Controller  
For Precision Farming  
(NutriCon)

**PM Dr. Dachyar Arbain**  
Ahmad Anas Nagoo Gunny  
Dr. Muhd Syarhabil Ahmad  
**Tajuk:** A Novel Glucose  
Oxidase – Producing Strain

**Jefri Efendi Mohd Salih**  
Prof. Dr. Ali Yeon M. Shakaff  
PM Dr. Abdul Hamid Adom  
Erdy Sulino Md. Muslim Tan  
**Tajuk:** Intelligent Fertigation  
System (INFERSYS) –  
Automated Fertilization &  
Irrigation For Fertigated  
System

**Alina Rahayu Mohamed**  
PM Dr. Md Zulkali Md Daud  
Mohd. Affendi Derman  
Ahmad Radi Wan Yaakub  
Muhammad Hafizal Fazil  
**Tajuk:** Catalytic Co/Sio<sub>2</sub>-  
Al<sub>2</sub>O<sub>3</sub> Pyrolysis On Solid  
Waste Empty Fruit Bunch  
(EFB) For The Production Of  
Bio-Oil

**Pingat:** GANGSA

**Alina Rahayu Mohamed**  
Abdul Hallis Abdul Aziz  
Mahfuz Affif Mohd Ruslan  
Mohd. Humaidi Samsuddin  
**Tajuk:** Catalytic Pyrolysis Of  
Palm Pressed Fibre (PPF)  
Using Cuo/Zro, Catalysts  
Yielding Bio-Oxygenated  
Hydrocarbon Crude-Oil.

**PM Dr. Mohamed Zulkali  
Mohamed Daud**  
Hayder Khaleel Qurban Ali  
Sriyana Abdullah  
Mohd Sani Jamailudin  
**Tajuk:** Paddaw :Solid State  
Bioengineering Production  
Of Citric Acid As Food  
Enhancer From Paddy Straw

**Dr. Zarina Zakaria**  
Rozaini Abdullah  
**Tajuk:** Pameloe Peel For Food  
Preservative

**Norlia Mohamad Ibrahim**  
Roshazita Che Amat  
Siti Fatimah Zahra Md. Sarif  
**Tajuk:** Rambutan Seed  
(*Nephelium Lappaceum*) As  
Activated Carbon For Waste  
Water Treatment

**Dr. Nik Noriman Zulkepli**  
Dato' Prof. Dr. Kamarudin  
Hussin  
Prof. Dr. Hanafi Ismail  
PM Che Md. Ruzaidi Ghazali  
M. Mustafa AlBakri Abdullah  
Muhammad Salihin Zakaria  
Dr. Sh. Shahnaz Sy Bakar  
**Tajuk:** Novel Multi-Purpose  
Green Composites (MGCS)

**Dr. Muhammad Syarhabil  
Ahmad**  
Mohd Qalani Che Kasim  
Ahmad Radi Wan Yaakub  
Nor Munirah Che Othman  
Hafizah Johar  
**Tajuk:** Solventless Oil  
Extractor

**PM Ir. Dr. Kenneth Sundaraj**  
Poo Tarn Shi  
Nizam Uddin Ahamed  
**Tajuk:** ARMS: Automated  
Rehabilitation Monitoring  
System

**PM Ir. Dr. Kenneth Sundaraj**  
Lam Chee Kiang  
**Tajuk:** EYE-SIM

**Roshazita Che Amat**  
Norlia Mohamad Ibrahim  
Nur Liza Rahim  
Dr. Khairul Rafezi Ahmad  
PM Dr. Khairul Nizar Ismail  
**Tajuk:** Influence Of Mineral  
Additions On The  
Performance Of Recycle  
Aggregate Concrete

**Nor Azura Abdul Rahim**  
Dr. Hakimah Osman  
Mohd Mujahidin Suhaيمي  
Rohaya Abdul Malek  
**Tajuk:** POLYES-FOAM- Green  
Bouyancy Foam

**Angerah Penghargaan Khas**

**Angerah Khas UniMAP (Individu)**

**PM Dr. Harshita Aini  
Haroon**  
Pengaruh, Pejabat  
Pengurusan Program (PMO)  
KPT Malaysia

**Mejar Salmi Istikh Ahmad**  
Pen Pegawai Memerintah,  
Batalion Ke 13, Rejimen  
Askar Melayu Diraja  
(Mantan Ketua Jurulatih  
PALAPES UniMAP)

**ASP Tuan Hj. Musa Hj.  
Omar (B)**  
Mantan Penyelaras Kor  
SUKSIS UniMAP

**Encik Kamarulzaman Abdul  
Kadir**  
Jurulatih Bola Tampar

**Encik M. Subramaniam a/I  
Mayavan**  
Jurulatih Karate-do

**Encik Mior Abu Hasan Mior  
Lop**  
Jurulatih Boling Padang

**Encik Megat Mohd. Noor  
Megat Teh**  
Jurulatih Muzik

**Angerah Khas UniMAP (Agensi)**

**Kolej Matrikulasi Teknikal  
Kedah**

**Angerah Inovasi  
- Tiada Penerima**

**Angerah Perkhidmatan Lama  
Encik Abu Bakar Hassan**

**Angerah Khas Sukan  
- Tiada Penerima**

**Angerah Khas Kebudayaan  
- Tiada Penerima**

**Angerah Kecemerlangan Sukan**

**Angerah Tokoh Sukan  
- Tiada Penerima**

**Angerah Pasukan Terbaik**

**Bola Sepak  
Golf  
Futsal (W)  
Tenis Campuran  
Boling Padang (L)  
Futsal (L)  
Bola Jaring  
Sepak Takraw  
Bola Tampar (L)  
Tepin Boling  
Olahraga**

**Angerah Individu Terbaik (L)  
Mohd. Zul Fauzi Md Sawal**

**Angerah Individu Terbaik (W)  
Nurhaslinda Md. Husin**

*Tahniah*