



FACULTY OF ENGINEERING

ANNUAL REPORT

2013

<http://www.feng.unimas.my>

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DEAN'S MESSAGE

Year 2013 has marked the 20th anniversary of the establishment of the Faculty of Engineering. Since then, Faculty of Engineering has numerous achievements in teaching and learning activities, research and consultancies. There are five academic programs being offered namely Civil Engineering, Mechanical and Manufacturing Engineering, Electronic (Telecommunication) Engineering, Electronic (Computer) Engineering and Chemical Engineering. All of the programs offered by the Faculty of Engineering are accredited by the Board of Engineers Malaysia (BEM). In addition to that, all of the programs have undergone continuous quality improvements to ensure the learning objectives of the programs are achieved. In terms of student intake, the programs offered by the Faculty of Engineering have always been well received. For the 2013/2014 session, the total number of student intake was 369 students and the total enrollment was 1365 students. To meet the demand for engineers in the electrical engineering field, Electrical and Electronic Engineering Program will have its first intake starting in 2014/2015 session.

Besides offering the undergraduate program, the Faculty of Engineering is also offering postgraduate studies by research and by course work. The Department of Civil Engineering is offering Master of Engineering (Civil) by coursework since 2010. In terms of student enrollment for postgraduate studies, there are 48 graduate students pursuing Masters and 57 graduate students pursuing PhD.

The Faculty of Engineering has also successfully organized several activities in the year 2013 in order to give exposure to students on soft-skills. For academic excellence, one student received Royal Education Award, one student received IEM Gold Awards and 10 students received Zecon Academic Excellence Awards. The faculty has also successfully collaborated with national and international universities and industries specializing in engineering. Several Memorandum of Understanding (MoU) were signed between Universiti Malaysia Sarawak and UNITEN and between Universiti Malaysia Sarawak and the University Of Limoges, France. In addition to that, Memorandum of Agreement (MoA) were also signed between Universiti Malaysia Sarawak and KeTTHA (Kementerian Tenaga, Teknologi Hijau dan Air) and between Universiti Malaysia Sarawak and Dermaga Builders Sdn Bhd.

Prof Dr Wan Hashim Wan Ibrahim

VISION & MISSION

VISION OF THE FACULTY

To be a leading faculty with accredited programmes producing quality graduates, and benefiting the community and nation through high impact research and exemplary leadership

MISSION OF THE FACULTY

To provide a culture of continuous quality improvement through holistic curriculum and strategic research involving stakeholder participation that is delivered by scholarly faculty members who contribute towards knowledge creation

QUALITY POLICY

Faculty of Engineering is committed to become the preferred faculty chosen by prospective students and to produce excellent and quality graduates by providing outstanding teaching services through the recruiting of quality and qualified lecturers.

QUALITY OBJECTIVES

- Ensure that the implementation of teaching plan is 100% achieved.
- Ensure adequate resources to facilitate the implementation of teaching, learning and assessment activities.
- Ensure sufficient and qualified lecturers.
- Ensure that customer satisfaction is 100% achieved.

1 SUPPORT STAFF 2013

1.1 MANAGEMENT & ADMINISTRATIVE STAFF LIST

1.1.1 Statistic of Management Staff

Designation	Total
Dean	1
Deputy Dean	2
Head of Department	4
Program Coordinator	6
Administratif & Professional Officer	4
TOTAL	17

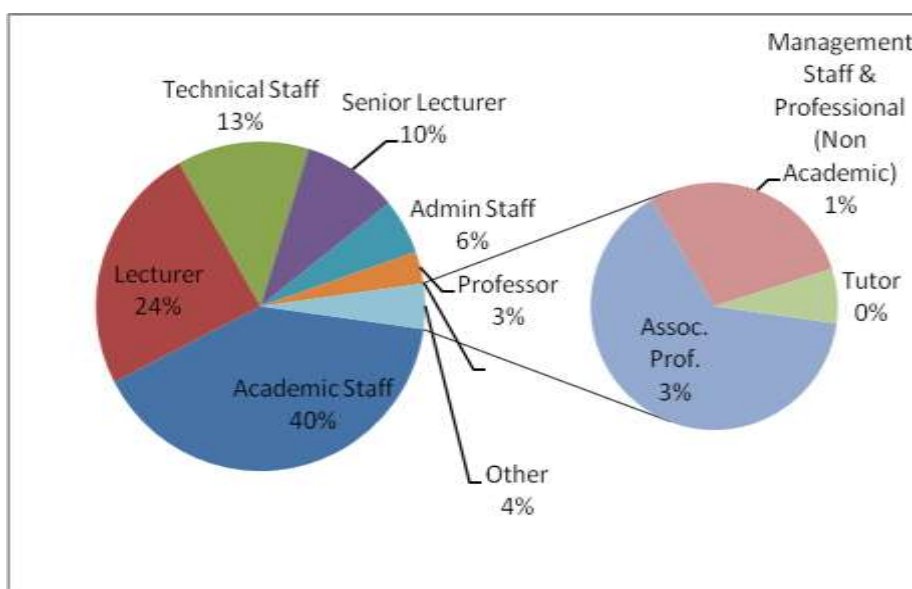
1.1.2 List of Management Staff

Name	Designation
Professor Dr. Wan Hashim Bin Wan Ibrahim	Dean
Associate Professor Dr. Al-Khalid Bin Hj Othman	Deputy Dean (Undergraduate & Student Development)
Dr Hushairi Zen	Deputy Dean (Postgraduate & Research)
Dr Thelaha Hj Masri	Head of Department Department of Electronic Engineering
Dr Abdullah Yassin	Head of Department Department of Mechanical & Manufacturing Engineering
Dr Shanti Faridah Salleh	Head of Department Department of Chemical Engineering & Energy Sustainability
Puan Rosmina Ahmad Bustami	Head of Department Department of Civil Engineering
Puan Hadijah Hj Morni	Chief Assistant Registrar
Puan Khamisah Hj Ete	Assistant Registrar
Encik Muhd Nizam Hamli	Assistant Information Technology Officer
Encik Raja Mohd Raffel Zulkifli	Science Officer
Cik Norzilawatil Azwa binti Mohamad	Science Officer

1.2 ACADEMIC STAFF LIST

Academic Staff	127
Management Staff & Professional (Non Academic)	4
Admin Staff	17
Technical Staff	41

FENG Academic Staff	Number of Staff
Professor	10
Assoc. Prof.	9
Senior Lecturer	30
Lecturer	77
Tutor	1



1.2.1 Department of Civil Engineering

No.	Name	Designation
1.	Professor Dr Wan Hashim Wan Ibrahim	Professor / Dean
2.	Professor Ir. Dr Law Puong Ling	Professor
3.	Professor Dr F.J. Putuhena	Professor
4.	Professor Dr Ng Chee Khoon	Professor
5.	Professor Dr Shenbaga Rajaratnam Kaniraj Jeyachandran	Professor
6.	Professor Dr Md Abdul Mannan	Professor
7.	Associate Professor Dr Mohammad Ibrahim Safawi Mohd Zain	Associate Professor
8.	Associate Professor Dr Azhaili Baharun	Associate Professor
9.	Associate Professor Dr Nasser Rostam Afshar	Associate Professor
10.	Associate Professor Dr Siti Noor Linda Taib	Associate Professor
11.	Dr Delsye Teo Ching Lee	Senior Lecturer
12.	Dr Onni Suhaiza Selaman	Senior Lecturer
13.	Dr Siti Halipah Ibrahim	Senior Lecturer
14.	Dr Abdul Razak Abdul Karim	Senior Lecturer
15.	Dr Norazzlina M. Sa'don	Senior Lecturer
16.	Dr Mohamad Raduan Kabit	Senior Lecturer
17.	Dr Fauzan Sahdi	Senior Lecturer
18.	Dr Ir. Ting Sim Nee	Senior Lecturer
19.	Dr Gaddafi Ismaili	Senior Lecturer
20.	Azida Rashidi	Senior Lecturer
21.	Dr Darrien Mah Yau Seng	Lecturer
22.	Dr Leonard Lim Lik Pueh	Lecturer
23.	Rosmina Ahmad Bustami	Lecturer / Head of Department
24.	Idawati Ismail	Lecturer
25.	Abd Azim Abdullah	Lecturer
26.	Ahmad Kamal Abdul Aziz	Lecturer

No.	Name	Designation
27.	Dygku Salma Awg Ismail	Lecturer
28.	Nor Azalina Rosli	Lecturer
29.	Norsuzailina Mohamed Sutan	Lecturer
30.	Ron Aldrino Chan @ Ron Buking	Lecturer
31.	Rohaida Affandi	Lecturer
32.	Zamri Bujang	Lecturer
33.	Charles Bong Hin Joo	Lecturer
34.	Raudhah Ahmadi	Tutor
35.	<i>Jethro Henry Adam</i>	<i>Lecturer (On Study Leave)</i>
36.	<i>Larry Silas Tirau</i>	<i>Lecturer (On Study Leave)</i>
37.	<i>Norazlina Bateni</i>	<i>Lecturer (On Study Leave)</i>

1.2.2 Department of Electronic Engineering (Telecommunication Programme)

No	Name	Designation
1.	Professor Datuk Dr Khairuddin Ab Hamid	Professor
2.	Associate Professor Dr Al-Khalid Hj Othman	Associate Professor/Deputy Dean (Undergraduate and Student Development)
3.	Associate Professor Dr Wan Azlan Wan Zainal Abidin	Associate Professor
4.	Dr Hushairi Zen	Senior Lecturer/ Deputy Dean (Postgraduate & Research)
5.	Dr Thelaha Masri	Senior Lecturer / Head of Department
6.	Dr Kismet Hong Ping	Senior Lecturer
7.	Dr Rohana Sapawi	Senior Lecturer
8.	Sakena Abdul Jabar	Senior Lecturer
9.	Norhuzaimin Julai	Senior Lecturer
10.	Dr Ir Prashobh Kuma Karunakaran	Lecturer
11.	Mohd Faizrizwan Mohd Sabri	Lecturer
12.	Ng Liang Yew	Lecturer
13.	Sharifah Masniah Wan Masra	Lecturer

14.	Ir. David Bong Boon Liang	Lecturer
15.	Martin Anyi	Lecturer
16.	Dr Ngu Sze Song	Lecturer
17.	Hazrul Mohamed Basri	Lecturer
18.	Dyg Nur Salmi Dharmiza Awg Salleh	Lecturer
19.	Abdul Hafiz Abdul Karim	Lecturer
20.	Hazmi Hijazi Abdul Halim	Lecturer
21.	Azfar Satari Abdullah	Lecturer
22.	Shirley anak Rufus	Lecturer
23.	Nurul 'Izzati Hashim	Lecturer
24.	Mohd Hafiez Izzwan Saad	Lecturer
25.	<i>Dayang Azra Awang Mat</i>	<i>Lecturer (On Study Leave)</i>
26.	<i>Nurdiani Zamhari</i>	<i>Lecturer (On Study Leave)</i>
27.	<i>Ade Syaheda Wani Marzuki</i>	<i>Lecturer (On Study Leave)</i>
28.	<i>Kasumawati Lias</i>	<i>Lecturer (On Study Leave)</i>
29.	<i>Hazrul Mohamed Basri</i>	<i>Lecturer (On Study Leave)</i>

1.2.3 Department of Electronic Engineering (Computer Programme)

No	Name	Designation
1.	Associate Professor Dr Mohd Saufee Muhammad	Associate Professor
2.	Dr Tay Kai Meng	Senior Lecturer
3.	Dr Nordiana Rajae	Senior Lecturer
4.	Dr Siti Kudnie Sahari	Senior Lecturer
5.	Dr Shafrida Sahrani	Senior Lecturer
6.	Maimun Huja Husin	Lecturer
7.	Asrani Lit	Lecturer
8.	Shamsiah Suhaili	Lecturer
9.	<i>Annie Joseph</i>	<i>Lecturer (On Study Leave)</i>
10.	<i>Kuryati Kipli</i>	<i>Lecturer (On Study Leave)</i>

11.	<i>Tengku Mohd Afendi Zulcaffle</i>	<i>Lecturer (On Study Leave)</i>
12.	<i>Kho Lee Chin</i>	<i>Lecturer (On Study Leave)</i>

1.2.4 Department of Mechanical & Manufacturing Engineering

No	Name	Designation
1.	Professor Dr Amir Azam Khan	Professor
2.	Professor Dr Sinin bin Hamdan	Professor
3.	Professor Ir Dr Andrew Ragai Henry Rigit	Professor
4.	Associate Professor Dr M. Shahidul Islam	Associate Professor
5.	Dr Abu Saleh Ahmed	Senior Lecturer
6.	Dr Abdullah Yassin	Senior Lecturer / Head of Department
7.	Dr Magdalene Andrew Munot	Senior Lecturer
8.	Dr Syed Tarmizi Syed Shazali	Senior Lecturer
9.	Ervina Junaidi	Senior Lecturer
10.	Dr Mohd Danial Ibrahim	Senior Lecturer
11.	Dr Nicholas Kuan Hoo Tien	Lecturer
12.	Dr Hamidreza Namazi	Lecturer
13.	Dr Shahrol Mohamaddan	Lecturer
14.	Siti Nor Ain Musa	Lecturer
15.	Annisa Jamali	Lecturer
16.	Mohd Azrin Mohd Said	Lecturer
17.	Ahmad Adzlan Fadzli Khairi	Lecturer
18.	Mohd Fareez Edzuan Abdullah	Lecturer
19.	Noor Aliah Abdul Majid	Lecturer
20.	Muhamad Fadzli Ashari	Lecturer
21.	Mohd Syahmi Jamaludin	Lecturer
22.	Ana Sakura Zainal Abidin	Lecturer
23.	Rasli Muslimen	Lecturer
24.	Hishammudin Afifi Huspi	Lecturer
25.	Abg Mohd Aizuddin bin Abg Mohd Mohtar	Lecturer

26.	Marini Sawawi	Lecturer
27.	<i>Nur Tahirah Razali</i>	<i>Lecturer (On Study Leave)</i>
28.	<i>Mahshuri Yusof</i>	<i>Lecturer (On Study Leave)</i>
29.	<i>Aidil Azli Alias</i>	<i>Lecturer (On Study Leave)</i>
30.	<i>Noor Hisyam Noor Mohamed</i>	<i>Lecturer (On Study Leave)</i>
31.	<i>Abang Mohd Nizam Abang Kamaruddin</i>	<i>Lecturer (On Study Leave)</i>
32.	<i>Shirley Johnathan Tanjong</i>	<i>Lecturer (On Study Leave)</i>
33.	<i>Mohamad Iskandar Jobli</i>	<i>Lecturer (On Study Leave)</i>

1.2.5 Department of Chemical Engineering & Energy Sustainability

No	Name	Designation
1.	Associate Professor Dr Mohammad Omar Abdullah @ Mak Khoon Ling	Associate Professor
2.	Associate Professor Dr Khairuddin Sanaullah	Lecturer
3.	Dr Shanti Faridah Salleh	Senior Lecturer / Head of Department
4.	Dr. Ivy Tan Ai Wei	Senior Lecturer
5.	Dr Lim Soh Fong	Senior Lecturer
6.	Dr Rubiyah Bains	Senior Lecturer
7.	Dr Md Rezaur Rahman	Lecturer
8.	Nazeri Abdul Rahman	Lecturer
9.	Mohd Farid bin Atan	Lecturer
10.	Nur Syuhada binti Ahmad Zauzi	Lecturer
11.	Ibrahim bin Yakub	Lecturer
12.	Khairul Anwar bin Mohd Said	Lecturer
13.	Mohamed Afizal bin Mohamed Amin	Lecturer
14.	Norlisa binti Mili	Lecturer
15.	<i>Norfamila Che Mat</i>	<i>Lecturer (On Study Leave)</i>

1.2.6 Full Record of Academic Staff

Designation	Total
<i>Department of Civil Engineering</i>	
Lecturer	33
On Study Leave – PhD	3
Total	36
Tutor	1
On Study Leave – Master	-
Total	1
TOTAL	37
<i>Department of Electronic Engineering</i>	
Lecturer	32
On Study Leave – PhD	9
Total	41
Tutor	-
On Study Leave – Master	-
Total	-
TOTAL	41
<i>Department of Mechanical & Manufacturing Engineering</i>	
Lecturer	26
On Study Leave – PhD	7
Total	33
Tutor	-
On Study Leave – Master	-
Total	-
TOTAL	33
<i>Department of Mechanical Chemical Engineering & Energy Sustainability</i>	
Lecturer	15
On Study Leave – PhD	1
Total	16
Tutor	-
On Study Leave – Master	-
Total	-
TOTAL	16
TOTAL	127

1.3 PROFESSIONAL & ADMINISTRATIVE OFFICER, SUPPORT & TECHNICAL STAFF (NONE ACADEMIC)

1.3.1 Professional & Administrative Officer

Designation	Total
Chief Assistant Registrar N48	1
Assistant Registrar N41	1
Assistant Information Technology Officer F41	1
Science Officer C41	2
TOTAL	5

1.3.2 List of Professional & Administrative Officer

No	Name	Designation
1.	Hadijah bt. Hj Morni	Chief Assistant Registrar
2.	Puan Khamisah Hj Ete	Assistant Registrar
3.	Encik Muhd Nizam Hamli	Assistant Information Technology Officer
4.	Raja Mohd Raffel Zulkifli	Science Officer
5.	Norzilawatil Azwa binti Mohamad	Science Officer

1.3.3 Administrative Support Staff

Designation	Total
Assistant Administrative Officer N27	1
Assistant Accountant Officer W27	1
Personal Assistant N27	3
Senior Administrative Staff N22	2
Administrative Staff N17	7
Assistant Accountant W17	2
General Staff N1	1
TOTAL	17

1.3.4 List of Administrative Support Staff

No	Name	Designation
1.	Siti Kasmi bt. Iskandar	Assistant Administrative Officer
2.	Norhayati Rosli	Assistant Accountant
3.	Norashikin Abdul Rahman	Dean's Personal Assistant
4.	Noorhanezya Suhardi Ali Kechik	Deputy Dean's Personal Assistant
5.	Norfarizan Johar	Deputy Dean's Personal Assistant
6.	Rahana Sharkawi	Senior Administrative Staff (Clerical/Operation)
7.	Siti Rogayah Taibi	Senior Administrative Staff (Clerical/Operation)
8.	Rohaida Mohamad	Administrative Staff (Clerical/Operation)
9.	Djennifer ak Franklin	Administrative Staff (Clerical/Operation)
10.	Laura Manggi	Administrative Staff (Clerical/Operation)
11.	Edward Egat Bilong	Administrative Staff (Clerical/Operation)
12.	Rosmanizam Rosli	Administrative Staff (Clerical/Operation)
13.	Siti Farazilla Jakaria	Administrative Staff (Clerical/Operation)
14.	Angela ak Robert Lin	Customer Service Officer
15.	Haliah binti Taip	Assistant Accountant
16.	Rosita Demi ak Jus	Assistant Accountant
17.	Zulkenain Yusuf	General Staff

1.3.5 Technical Staff

Designation	Total
Senior Assistant Engineer J36	2
Assistant Officer Information Technology F29	1
Assistant Engineer J29	6
Science Assistant Officer C27	1
Senior Technician J22	2
Technician J17	24
Computer Technician FT17	1
Lab Assistant C17	1
Total	38

On Leave (Gred J36)	1
On Leave (Gred J22)	1
On Leave (Gred J17)	1
TOTAL	41

1.3.6 List of Technical Staff

1.3.6.1 IT-Unit

No	Name	Designation
1.	Encik Muhd Nizam Hamli	Assistant Officer Information Technology
2.	Mohd Ismail Hairul Abdul Latif	Lab Assistant
3.	Nuramalina Morshidi	Computer Technician

1.3.6.2 Department of Civil Engineering

No	Name	Designation
1.	Hj. Affandi Bin Hj. Othman	Senior Assistant Engineer J36
2.	Noorasmah Binti Mohamad Kassa	Assistant Engineer J29
3.	Rozaini Bin Ahmad	Technician J17
4.	Saiful Bin Edi	Technician J17
5.	Nur Adha Bin Abdul Wahab	Technician J17
6.	Mohd Sopian Bin Mohd Kassim	Technician J17
7.	Nur Shafini Binti Hamdan	Technician J17
8.	Mohamad Ar-Rasyidin Bin Marudin	Technician J17
9.	Mohd Zaidi Bin Serah	Technician J17

1.3.6.3 Department of Electronic Engineering

No	Name	Designation
1.	Wan Mohd. Hamizah Bin Wan Rosli	Senior Assistant Engineer J36 (On Leave)
2.	Nawawi Bin Muhamad	Assistant Engineer J29
3.	Awgku Mohd Azmirul Bin Awgku Omar	Assistant Engineer J29
4.	Dayang Rohhayati Binti Abang Ahmad	Assistant Engineer J29
5.	Johari Bin Abdul Karim	Senior Technician J22 (On Leave)
6.	Mahathir Bin Bujang	Technician J17

7.	Iskendasah Bin Minggu	Technician J17
8.	Lawrence Marchwell Anak Sinin	Technician J17
9.	Yusmizan Hanin @ Bunian	Technician J17
10.	Mohamad Tajuddin Bin Unus	Technician J17
11.	Zuraidah Binti Ibrahim	Technician J17
12.	Azizan Bin Segri	Technician J17
13.	Wan Mohd Haekal Bin Wan Herdwat	Technician J17

1.3.6.4 Department of Mechanical & Manufacturing Engineering

No	Name	Designation
1.	Zaidi Bin Suhai	Senior Assistant Engineer J36
2.	Ireman Bin Bolhassan	Assistant Engineer J29
3.	Mohd Rhyier Juen Abdullah	Senior Technician J22
4.	Masri Bin Zaini	Senior Technician J22
5.	Hasmiza Binti Kontet	Technician J17
6.	Sabariman Bin Bakar	Technician J17
7.	Azaman Bin Jajol	Technician J17 (On Leave)
8.	Siti Fazilah Binti Mohammad	Technician J17
9.	Mohd Fairudi Bin Mohd Jamil	Technician J17

1.3.6.5 Department of Chemical Engineering & Energy Sustainability

No	Name	Designation
1.	Zulkifli Bin Ahmat	Assistant Engineer J29
2.	Mohd Zulfika Hazielim b Zakaria	Assistant Science Officer C27
3.	Mohd Hafiz Bin Mafadi	Technician J17
4.	Kamri Bin Mohamad	Technician J17
5.	Mohd Amirul Nizam Bin Amit	Technician J17
6.	Airul Azhar Bin Jitai	Technician J17
7.	Mohamad Ruzaini Bin Razak	Technician J17

1.4 NEW APPOINTMENT, NEW RECRUITMENT, PROMOTED, RETIRED/RESIGN

1.4.1 New Appointment

1.4.1.1 None

-

1.4.2 Promoted

1.4.2.1 Professor

Professor Ir Dr Andrew Ragai Henry Rigit

1.4.2.2 Associate Professor

Associate Professor Dr Wan Azlan Wan Zainal Abidin

Associate Professor Dr Ir Mohd Shahril b Osman

Associate Professor Dr Siti Noor Linda Taib

1.4.2.3 Senior Lecturer DS52

Dr Mohamad Raduan Kabit

Dr Gaddafi b Ismaili

Dr Siti Kudnie Sahari

Dr Rohana bt Sapawi

Dr Shafrida bt Sahrani

1.4.3 New Recruitment

1.4.3.1 Lecturer

1.4.3.1.1 Department of Electronic Engineering

No	Name	Designation
1.	Dr Ir Prashobh Kumar Karunakaran	Lecturer
2.	Shirley anak Rufus	Lecturer
3.	Nurul 'Izzati binti Hashim	Lecturer

1.4.3.1.2 Department of Mechanical & Manufacturing Engineering

No	Name	Designation
1.	Dr Hamidreza Namazi	Lecturer

1.4.3.1.3 Department of Chemical Engineering & Energy Sustainability

No	Name	Designation
1.	Norlisa binti Mili	Lecturer

1.4.3.2 Professional & Administrative Officer

No	Name	Designation
1.	Encik Muhd Nizam Hamli	Assistant Officer Information Technology

1.4.4 Retired / Resign

No	Name	Designation
1.	Prof Dr Selahattin Gultekin	Professor

1.5 STAFF ON STUDY LEAVE / SABBATICAL / ON LEAVE WITHOUT SALARY / SECONDMENT

1.5.1 Secondment

No	Name	Designation
1.	-	-

1.5.2 On Study Leave

No	Name	Designation
1.	<i>Jethro Henry Adam</i>	<i>Lecturer</i>
2.	<i>Larry Silas Tirau</i>	<i>Lecturer</i>
3.	<i>Norazlina Bateni</i>	<i>Lecturer</i>
4.	<i>Dayang Azra Awang Mat</i>	<i>Lecturer</i>
5.	<i>Nurdiani Zamhari</i>	<i>Lecturer</i>
6.	<i>Ade Syaheda Wani Marzuki</i>	<i>Lecturer</i>
7.	<i>Kasumawati Lias</i>	<i>Lecturer</i>
8.	<i>Hazrul Mohamed Basri</i>	<i>Lecturer</i>
9.	<i>Annie Joseph</i>	<i>Lecturer</i>
10.	<i>Kuryati Kipli</i>	<i>Lecturer</i>
11.	<i>Tengku Mohd Afendi Zulcaffle</i>	<i>Lecturer</i>
12.	<i>Kho Lee Chin</i>	<i>Lecturer</i>
13.	<i>Nur Tahirah Razali</i>	<i>Lecturer</i>
14.	<i>Mahshuri Yusof</i>	<i>Lecturer</i>
15.	<i>Aidil Azli Alias</i>	<i>Lecturer</i>
16.	<i>Noor Hisyam Noor Mohamed</i>	<i>Lecturer</i>
17.	<i>Abang Mohd Nizam Abang Kamaruddin</i>	<i>Lecturer</i>
18.	<i>Shirley Johnathan Tanjong</i>	<i>Lecturer</i>
19.	<i>Mohamad Iskandar Jobli</i>	<i>Lecturer</i>
20.	<i>Norfamila Che Mat</i>	<i>Lecturer</i>

1.6 STAFF REPORT DUTY AFTER STUDY LEAVE

1. Zamri bin Bujang
2. Abg Mohd Aizuddin Abg Mohd Mohtar
3. Azfar Satari Abdullah
4. Rohana Sapawi
5. Shamsiah Suhaili
6. Shafrida bt Sahrani
7. Marini binti Sawawi
8. Cik Raudhah Ahmadi
9. Idawati Ismail
10. Norhuzaimin Julai
11. Shahrol bin Mohamaddan
12. Charles Bong Hin Joo

2 NETWORKING

No.	MoU/MoA Signed	Personal Involved	Activities	Date
1.	Memorandum Perjanjian di antara UNIMAS dan KeTTHA (Kementerian Tenaga, Teknologi Hijau dan Air)	<ol style="list-style-type: none"> 1. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Madya Dr Azhaili Baharun) 2. YBhg. Datuk Loo Took Gee, Ketua Setiausaha KeTTHA (saksi : En Rahman bin Mohd Din) 	Memorandum Perjanjian di antara UNIMAS dan KeTTHA (Kementerian Tenaga, Teknologi Hijau dan Air)	1 Mei 2013
2.	<i>Memorandum of Understanding For Academic Exchange And Co-operation between UNIMAS dan UNITEN</i>	<ol style="list-style-type: none"> 1. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Madya Dr Azhaili Baharun) 2. Dato' Seri Prof Mashkuri Bin Yaacob, Naib Canselor UNITEN, (saksi : Prof Ir Dr Abdul Halim Bin Shamsuddin) 	<i>Memorandum of Understanding For Academic Exchange And Co-operation between UNIMAS dan UNITEN</i>	2 Julai 2013
3.	<i>Memorandum of Agreement Between UNIMAS dan Universite' de Limoges, France</i>	<ol style="list-style-type: none"> 1. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Dr Wan Hashim Wan Ibrahim) 2. Professor Helene Pauliat, <i>President Of The University of Limoges</i> (saksi : Dr Thierry Chartier) 	<i>Memorandum of Agreement Between UNIMAS dan Universite' de Limoges, France</i>	2 Julai 2013
4.	Memorandum of Agreement Between Dermaga Builders and UNIMAS	<ol style="list-style-type: none"> 1. Dato' Ir Che Mat Bin Wanik, <i>Executive Chairman</i> (saksi : En Mohd Hafeez B Che Mat) 2. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Dr Wan Hashim Wan Ibrahim) 	<i>Memorandum of Agreement Between Dermaga Builders and UNIMAS</i>	2 Julai 2013

5.	Memorandum of Understanding Between CMS Pavement Tech and UNIMAS	<ol style="list-style-type: none"> 1. En Lim Jit Yaw, CMS Head of Construction & Road Maintenance Division (saksi : En John Lim) 2. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Dr Wan Hashim Wan Ibrahim) 	Memorandum of Understanding Between CMS Pavement Tech and UNIMAS	27 September 2013
6.	Memorandum of Understanding between UNIMAS & Golden Circle Venture Sdn. Bhd	<ol style="list-style-type: none"> 1. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Dr Wan Hashim Wan Ibrahim) 2. Yang Mulia Raja Dato' Azwane Bin Raja Ariff, <i>Executive Director</i> (saksi : En Kamarullzaman Bin Mat Jusoh) 	Memorandum of Understanding between UNIMAS & Golden Circle Venture Sdn. Bhd	10 October 2013
7.	Memorandum of Agreement between UNIMAS & UNIMAS Holdings Sdn Bhd for KeTTHA's Funding Project	<ol style="list-style-type: none"> 1. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Madya Dr Azhaili Baharun) 2. Dr Harry Entebang, <i>General Manager</i> (saksi : saksi: Pn Ang Chee Hon, <i>Accountant</i>) 	Memorandum of Agreement between UNIMAS & UNIMAS Holdings Sdn Bhd for KeTTHA's Funding Project	4 December 2013
8.	Memorandum of Understanding Between UNIMAS dan Curtin University, Sarawak Malaysia	<ol style="list-style-type: none"> 1. YBhg Prof Dato' Dr Mohamad Kadim Bin Suaidi, Naib Canselor UNIMAS, (saksi : Prof Dr Wan Hashim Wan Ibrahim) 2. Professor James P. Mienczakowski, <i>Pro Vice-Chancellor / Chief Executive</i> (saksi : Professor Yudi Samyudia) 	Memorandum of Understanding Between UNIMAS dan Curtin University, Sarawak Malaysia	13 Disember 2013

3 STUDENT ENROLMENT

3.1 UNDERGRADUATE

3.1.1 Enrolment

Engineering Programmes	Intake	Enrolment 2013
Civil(PKS)	118	491
Electronic & Computer(PKEK)	56	199
Electronic & Telecommunication(PKET)	56	168
Mechanical & Manufacturing(PKMP)	114	404
Chemical(PKK)	25	103
TOTAL	369	1365

3.1.2 Undergraduate by Year

Year	Total Student				
	PKET	PKEK	PKS	PKMP	PKK
Year 1	56	56	118	114	25
Year 2	54	51	110	103	23
Year 3	56	24	124	101	29
Year 4	29	36	112	68	25
Year 5	3	1	20	17	1
Year 6	1		5	1	
Year 7			1		
Year 8			1		
TOTAL	199	168	491	404	103

Note: Total number of undergraduate students **1365**

3.2 TEACHING AND LEARNING (T&L) PERFORMANCE: ACADEMIC STAFF

Semester 2 2012/2013

	Electronic	Mechanical	Civil	Chemical	Faculty Courses
Sangat Cemerlang	18	9	18	1	1
Cemerlang	28	30	56	10	9
Sangat Baik	21	13	17	8	10
Baik	-	1	3	1	1
Sedehana	-	1	1	-	-
Total	67	54	95	20	21

Semester 1 2013/2014

	Electronic	Mechanical	Civil	Chemical	Faculty Courses	Elective Courses
Sangat Cemerlang	-	4	3	1	1	-
Cemerlang	23	19	41	7	9	1
Sangat Baik	13	11	18	8	13	2
Baik	1	6	1	2	-	1
Sedehana	1	-	-	2	1	-
Total	38	40	63	20	24	4

4 PROGRAMMES OFFERED

4.1 PROGRAMMES OFFERED

Programmes	Year of Established	Board of Engineers Malaysia Accreditation
BEng (Hons) Civil Engineering	1994	2011-2013
BEng (Hons) Electronic & Telecommunication Engineering	1994	2000-2004 2011-2013
BEng (Hons) Mechanical & Manufacturing Engineering	1994	2000-2004 2011-2013
BEng (Hons) Electronic & Computer Engineering	2000	2000-2004 2011-2013
BEng (Hons) Chemical Engineering	2009	2013-2014

4.2 ACCREDITATION CERTIFICATES

4.2.1 Bachelor of Engineering with Honours (Civil Engineering)



4.2.2 Bachelor of Engineering with Honours (Electronic & Telecommunication Engineering)



4.2.3 Bachelor of Engineering with Honours (Electronic & Computer Engineering)



4.2.4 Bachelor of Engineering with Honours (Mechanical & Manufacturing Engineering)



4.2.5 Bachelor of Engineering with Honours (Chemical Engineering)



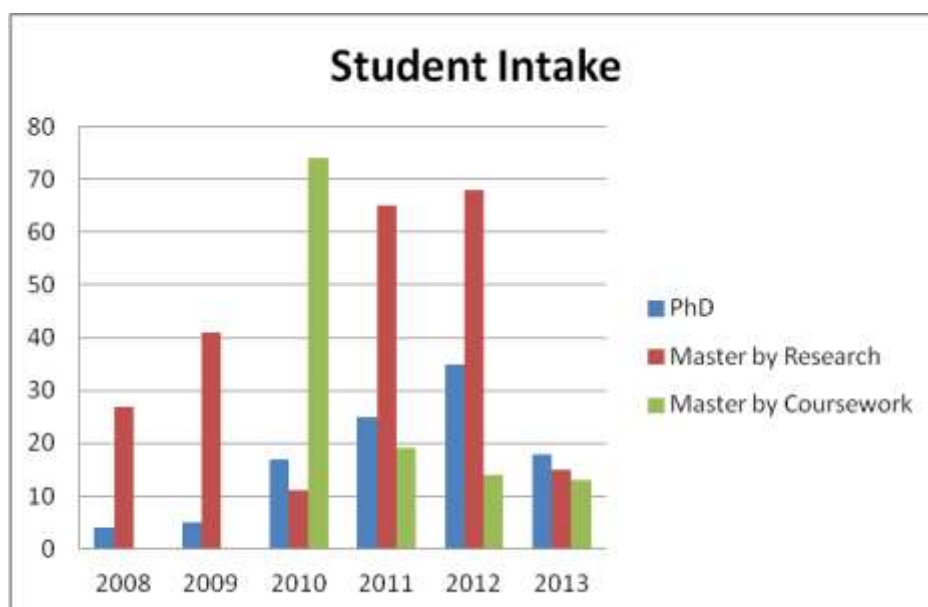
5 LIST OF BEST STUDENT IN 2013 CONVOCATION

5.1 ANUGERAH PENDIDIKAN DIRAJA

No.	Name	Programme	Student Number
1.	Nur Syakina b Jamali	Chemical	24635

6 POSTGRADUATE

Students Intake			
	PhD	Master by Research	Master by Coursework
2008	4	27	
2009	5	41	
2010	17	11	74
2011	25	65	19
2012	35	68	14
2013	18	15	13



No.	Name	Title	Research Area	Graduate Level
1.	Jamuri Zen	Risk and Reliability of Ammonia Storage Tanks Focusing on Ammonia Sec	Chemical Engineering	Master of Engineering
2.	Peter Yek Nai Yuh	Computer Simulation Analysis for Statics Stability of Airboat in Sarawak Riverine Application	Chemical Engineering	Master of Engineering
3.	Muhammad Abdul Syahid bin Saari	Workability of Fresh Self-Compacting Concrete	Civil Engineering	Master of Engineering
4.	Sharifah Fatimah binti Tuanku Abdullah	Fiber to the Home Based Over WDM for Dynamic Bandwidth in the Malaysian Environment	Electronic Engineering	Master of Engineering
5.	Nur Afnie Faryisha binti Mohamad Hamzah	Design of Long Storage for Excess Water and Development of Hydrological Framework in Sungai Sarawak Kanan Sub-Basin	Civil Engineering	Master of Engineering
6.	Tay Chiaw Teck	Analyzing Two-Way Two-Lane Highways Based on Malaysian Road Condition	Civil Engineering	Master of Engineering
7.	Joan Dolly Chung Zie Wei	Trickling Filter for Domestic Wastewaters	Civil Engineering	Doctor of Philosophy
8.	Zamhuri Drahman	Malaysia Airports Pavement Management System	Civil Engineering	Master of Engineering
9.	Cheong Yaw Hong	Harnessing Tidal Energy for Electricity Generation at Sejingkat, Kuching, Sarawak	Mechanical & Manufacturing Engineering	Master of Engineering
10.	Oon Yin Wee	A Novel Oil and Grease (O&G) Removal Apparatus with Curved Coalescence Frustums and Triangular Surface Restraints	Civil Engineering	Doctor of Philosophy
11.	Patrick Teo Tien	Analysis and Modeling of Technical Losses in Distribution Networks	Electronic Engineering	Master of Engineering
12.	Tian Chuan Min	Custom Design, Development and Techno-Economical Study of a Small Cooling Water Power Generator for Sejingkat Power Corporate Sdn. Bhd	Mechanical & Manufacturing Engineering	Master of Engineering
13.	Gabriel anak Jatu	Design and Implementation of Micro-Hydropower System for a Stand-Alone Rural Village Electrification	Electronic Engineering	Master of Engineering

No.	Name	Title	Research Area	Graduate Level
31.	Jong Yik Jia	Energy Performance Study of A Chip Fryer	Chemical Engineering	Master of Engineering
32.	Ng Liang Yew	Tracking with Non-Line-of-Sight (Nlos) Mitigation in Indoor Environment	Electronic Engineering	Doctor of Philosophy
33.	Chai Nee Ping	Real-Time Heavy Vehicle Monitoring using GPS and GIS Technology	Electronic Engineering	Doctor of Philosophy
34.	John Tin Yuan En	Adaptive Solar Energy System for Low-Cost Home Cooling System	Electronic Engineering	Doctor of Philosophy
35.	Jong Chian Haur	Development of a Single-Input-Rule-Module Fuzzy Inference System-Based Failures Prioritization Technique for Edible-Bird's Nest Processing	Electronic Engineering	Master of Engineering
36.	Harunal Rejan bin Ramji	Study of Heat-Driven Adsorption Air-Conditioning System Using Biomass-Based Activated Carbon-Mehanol for Vehicle Application	Chemical Engineering	Master of Engineering
37.	Alan Bong Kim Ming	Evaluation of a Modified Conversion of a Pump as Turbine	Mechanical & Manufacturing Engineering	Master of Engineering
38.	Teo Chong Yaw	Temperature Measurement of High Speed Milling	Mechanical & Manufacturing Engineering	Master of Engineering
39.	Marta a/p Elizabeth	Time-Domain Inverse Scattering Technique for Early Breast Cancer Detection	Electronic Engineering	Master of Engineering
40.	Chai Kok Chin	Development of Type 2 Fuzzy Logic Based Decision Making Support Model/Software Prototype for the Application in Local (Sarawak) Industries	Electronic Engineering	Doctor of Philosophy
41.	Chang Wui Lee	Development of an Evolving Fuzzy Rule-Based System for Object Detection in Video	Electronic Engineering	Master of Engineering
42.	Lee Lin Jye	Analyse the Lateral Movement on Soft Riverbank	Civil Engineering	Doctor of Philosophy
43.	Jane Lau Sze Sze	Investigating the Impact of using Malaysian Highway Capacity Manual for Traffic Impact Assessment Purpose	Civil Engineering	Master of Engineering
44.	Puteh Munawwarah binti Ibrahim	Reconstruction of Breast Composition Utilizing Filtered Forward-Backward Time-Stepping (FBTS) Inverse Scattering Technique	Electronic Engineering	Master of Engineering
45.	Christopher Jantai anak Boniface	A Radiant Times Series Method for Cooling Load Calculation for Dewan Tunku Abdul Rahman (DeTAR PUTRA UNIMAS)	Mechanical & Manufacturing Engineering	Master of Engineering

No.	Name	Title	Research Area	Graduate Level
46.	Patrick Low Tiong Kie	A Thermal Conversion System for Converting Oil Palm Fronds into Biochar for Oil Palm Plantation	Mechanical & Manufacturing Engineering	Doctor of Philosophy
47.	Elammaran Jayamani	Absorption and Impedance Measurements of Lignocellulosic Particle Composite for Sound Absorbing Wooden Construction Materials	Mechanical & Manufacturing Engineering	Doctor of Philosophy
48.	Kiew Kwong Siong	An Investigation of Dielectrical and Thermal Properties of Chicken Feather Unsaturated Polyester Composites	Mechanical & Manufacturing Engineering	Master of Engineering
49.	Florence Francis Lothai	An Analysis Of The Effects Of Using Various Sensors in Biometric Identification	Electronic Engineering	Master of Engineering
50.	Kueh Yi Lin	Real-Time Image Processing for Vehicle Collision Prevention and Mitigation System	Electronic Engineering	Master of Engineering
51.	Kang Chia Yang	Cause and Effect of Low Power Quality in Homes and Industries in Sarawak	Electronic Engineering	Master of Engineering
52.	Yong Guang	Filtered Forward-Backward Time-Stepping Inverse Scattering Technique for Buried Object Detection and Shape Reconstruction	Electronic Engineering	Doctor of Philosophy
53.	Ng Shi Wei	Microwave Imaging Reconstruction of Breast Composition Utilizing Filtered Forward-Backward Time-Stepping Technique for Breast Cancer Detection	Electronic Engineering	Doctor of Philosophy
54.	Andrew Sia Siew Chie	Detection of Buried Objects in Dispersive Medium Utilizing Filtered Forward-Backward Time-Stepping Inverse Scattering Techniques	Electronic Engineering	Master of Engineering
55.	Salisu Muhammad Lawan	Wind Energy Potential Modeling in Sarawak for Rural Electrification	Electronic Engineering	Doctor of Philosophy
56.	Teh Chin Ying	Development of a Local Monotonicity Preserving Data-Driven Fuzzy System for Video Signal Processing	Electronic Engineering	Doctor of Philosophy
57.	Eric Yong Pik Kwong	The Engineering Properties of Concrete Containing Waste From the Oil Palm Industry	Civil Engineering	Master of Engineering
58.	Striprabu a/l Strimari	Chemical Stabilization of Sarawak Soils as Pavement Subbase	Civil Engineering	Doctor of Philosophy

No.	Name	Title	Research Area	Graduate Level
59.	Thong Chia Chia	Structural and Durability Properties of Concrete with Polyvinyl Alcohol (PVA) Coated Oil Palm Shell (Ops) as Lightweight Aggregates Under Different Curing Conditions	Civil Engineering	Master of Engineering
61.	Therry Lee Zee	Multimodal Biometric Recognition Based on Bit-Plane Extraction	Electronic Engineering	Master of Engineering
61.	Taharah binti Edin	Biodiesel Production from Jatropha Oil as an Alternative Fuel for Diesel Engine	Mechanical & Manufacturing Engineering	Master of Engineering
62.	Afrasyab Khan	Super-Sonic Gases Direct Contact Mixing and Condensation Study	Chemical Engineering	Doctor of Philosophy
63.	Nurliyana binti Hussaini	Performance Enhancement of Microstrip Antennas Using Electromagnetic Band Gap Structures	Electronic Engineering	Master of Engineering
64.	Md Faruk Hossen	Crystal Structures and Growth Mechanisms of Nanoparticles Prepared by Polyol Method with Different Couples of Metal	Mechanical & Manufacturing Engineering	Doctor of Philosophy
65.	Yong Leong Kong	Model Development of Riverbank Erosion at Batang Rejang	Civil Engineering	Doctor of Philosophy
66.	Hazel Maybelline anak Johan	Effects of Automated Manufacturing System Toward Workforce's Behaviours	Mechanical & Manufacturing & Engineering	Master of Engineering
67.	Dayang Salyani Abang Mahmud	Low Temperature Solid Oxide Fuel Cells: Synthesis, Assembly and Testing at Temperatures Below 600K	Mechanical & Manufacturing Engineering	Doctor of Philosophy
68.	Ting Ching Hung	An Approach with Operation Research for Developing Predictive Model for Industrial Preventive Maintenance	Mechanical & Manufacturing Engineering	Master of Engineering
69.	Nafisa Tamanna	Parametric Study on Utilizing Waste Glass as a Finely Ground Mineral Additive (FGMA) in a Modified Multi-Component Binder (MMCB) Durable Eco-Friendly Cement System	Civil Engineering	Master of Engineering
70.	Yiong Ngee Fei	The Effect of Particle / Fibre Addition to Polymer Matrix Composites: Study of Vibration and Acoustic Properties	Mechanical & Manufacturing Engineering	Master of Engineering
71.	Noorliana Anis Izzati binti Zakaria	Biodiesel Production from Conventional and Microwave Assisted KOH Catalyzed Transesterification of Waste Frying Oils	Chemical Engineering	Master of Engineering

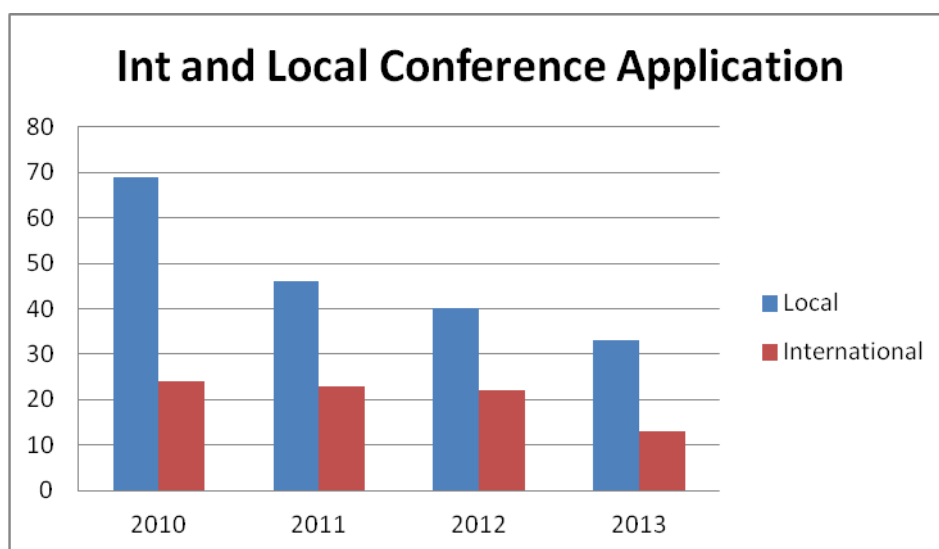
No.	Name	Title	Research Area	Graduate Level
72.	Pang Lie Meng	A New Type-2 Single Input Rule Modules (SIRMs) Connected Fuzzy Interference System-Based Group Decision Support and Assessment System with Engineering Applications	Electronic Engineering	Doctor of Philosophy
73.	Syed Salman Shafqat	Sol-Gel Synthesis of Copper and Nickle Nanoparticles by Using Organometallic Preucursors	Mechanical & Manufacturing Engineering	Doctor of Philosophy
74.	Bello Olalekan	Scheduling in Satellite Networks Employing Mimo Technology	Electronic Engineering	Doctor of Philosophy
75.	Wong Teck Soon	Assessment of the Availability of Agricultural Waste for Energy Production	Chemical Engineering	Doctor of Philosophy
76.	Nuramalina binti Bohari	Solar-Hydro Hybrid Controller System Design	Electronic Engineering	Master of Engineering
77.	Toh Sheng Wei	Intelligent Performance Optimization Framework for Collaborative Hybrid Energy System	Electronic Engineering	Doctor of Philosophy
78.	Ong Chet Yun	Application of Modeling Technique to Study the Effectiveness of Sustainable Stormwater Management System (Case Study): Sungai Maong Urban Area	Civil Engineering	Master of Engineering
79.	Jee Tze Ling	A New Two-Stage Framework with Generic Algorithm Search and Similarity Reasoning for Constructing Fuzzy Inference Models with Real World Applications	Electronic Engineering	Doctor of Philosophy
80.	Houssein M.A Elawad	Measuring Contextual Effect of Inputs on Physical and Economic Efficiency of Production	Mechanical & Manufacturing Engineering	Doctor of Philosophy
81.	Riji Burmanu Benjamin	Modeling of Environmental Pollution from Decayed Vegetables in the Face of Climate Change in Northeast, Nigeria	Civil Engineering	Doctor of Philosophy
82.	Moh Hioung Teck	Effect of Rain Infiltration and Groundwater Changes to Landslides Occurrence	Civil Engineering	Master of Engineering
83.	Mohd Azlan bin Ismail	Low Head Modular Microhydro for a Flexible Implementation System	Electronic Engineering	Doctor of Philosophy
84.	Lee Man Djun	Modeling on Capacity Utilization of Manufacturing Industry in Malaysia	Mechanical & Manufacturing Engineering	Doctor of Philosophy
85.	Md Mizanur Rahman	Development of Novel Biocomposition and Their Hybrid Composites with Nanosilica	Mechanical & Manufacturing Engineering	Master of Engineering

No.	Name	Title	Research Area	Graduate Level
86.	Alifia Hamzah bin Johari	Study of Peat Soil Erosion Rate, Sediment Yield and Slope Stability for Application in Equatorial Region	Civil Engineering	Doctor of Philosophy
87.	Siti Kartina Abdul Karim	Green Materials for Water Treatment Process	Chemical Engineering	Doctor of Philosophy
88.	Qairuniza binti Roslan	The Implementation of IBS Interlocking Bricks Towards Green Technology in Construction	Civil Engineering	Master of Engineering
89.	Bong Voon Pai	Propagation Models for Low Latitude Region of L-Band Mobile Satellite Signal Performance	Electronic Engineering	Doctor of Philosophy
90.	Bayu Mahista Tamtomo	Hybrid Expert System for Diagnosis of Flexible Pavement Deterioration and Rehabilitation Strategies	Civil Engineering	Master of Engineering
91.	Josephine Lai Chang Hui	Polymer Nanotechnology for Biomedical Application	Chemical Engineering	Doctor of Philosophy
92.	Nadia Zaini	Industrialised Building System (IBS) Towards Green Construction and Sustainability	Civil Engineering	Master of Engineering
93.	Nam Nguk Chiu	Road Subsurface as Component of On-Site Detention (OSD) Urban Drainage System	Civil Engineering	Master of Engineering
94.	Liew Fui Kiew	Physico-Mechanical Properties of Tin Oxide Nanoparticles Modified Jute-Bamboo Fiber Composites	Mechanical & Manufacturing Engineering	Doctor of Philosophy
95.	Ephrem Ryan anak Alphonsus	Fluid Diversion System for Automobile Adsorption Air Conditioning System	Chemical Engineering	Master of Engineering
96.	Dayang Rozina binti Abang Madni	Physical and Mechanical Properties of Three-Fast Growing Plantation Species in Sarawak	Civil Engineering	Master of Engineering
97.	Chai Chern Tcian	Study on the Hydrological Performance of Green Roof as Potential Stormwater Management Practice in Sarawak	Civil Engineering	Master of Engineering
98.	Jerren Tan Yun Ping	Procurement Route Selection Guideline for Construction Projects in Malaysia	Civil Engineering	Master of Engineering
99.	Tay Chen Chiang	The Mechanical Properties of Natural Fiber (Sago Residues) Reinforced Urea Formaldehyde Resin Composite	Mechanical & Manufacturing Engineering	Doctor of Philosophy
100.	Mahmood Adnan	A Smart Decision Algorithm for Vertical Handover in Fourth Generation Heterogenous Wireless Networks	Electronic Engineering	Doctor of Philosophy
101.	Sherena binti Saree	Fundamental Studies on the Thresher Performance in the Palm Oil Mill	Chemical Engineering	Master of Engineering
102.	Deviana Endia Pani	Study on Hydrogen Sulphide (H ₂ S) in Bakun Embankment Dam	Chemical Engineering	Master of Engineering

No.	Name	Title	Research Area	Graduate Level
103.	Kamran Ahmed Samo	Determination and Mapping of Tidal Electrical Power Potential for Sarawak and Sabah	Mechanical & Manufacturing Engineering	Doctor of Philosophy
104.	Ibrahim Abba	Empirical Model Development for Effect of Ionosphere on Mobile Satellite Signal Performance: Kano and Kota Samarahan	Electronic Engineering	Doctor of Philosophy

7 CONFERENCE / SEMINAR PRESENTED BY LECTURER

Conference Attended		
	Local	International
2010	69	24
2011	46	23
2012	40	22
2013	33	13



7.1 LIST OF NATIONAL/LOCAL CONFERENCE / SEMINAR PRESENTED BY LECTURER

No.	Name	Conference	Place	Date
1.	Norsuzailina Mohamed Sutan	1st International Conference on Chemical, Nano and Sustainable Engineering (ICCNSE-2013)	Hotel Novotel, Kuala Lumpur	29-31 Mac 2013
2.	Khairul Anwar Mohd Said	1st International Conference on Chemical, Nano and Sustainable Engineering (ICCNSE-2013)	Hotel Novotel, Kuala Lumpur	29-31 Mac 2013
3.	Ir David Bong Boon Liang	International Conference on Applied Computer and Applied Computational Science 2013	Kuala Lumpur	2-4 April 2013
4.	Assoc Prof Dr Mohd Saufee Muhammad	2nd International Conference on Advances in Computer and Information Technology (ACIT 2013)	Hotel Shangri-La, Kuala Lumpur	4-5 Mei 2013
5.	Sharifah Masniah Wan Masra	2nd International Conference on Advances in Electronic Devices and Circuits (EDC2013)	Hotel Shangri-La, Kuala Lumpur	4-5 Mei 2013
6.	Norsuzailina Mohamed Sutan	2nd International Conference on Advances in Structural, Civil and Environmental Engineering (SCEE - 2013)	Kuala Lumpur	4-5 Mei 2013
7.	Assoc Prof Dr Abu Saleh Ahmed	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
8.	Dr Syed Tarmizi Syed Shazali	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
9.	Norsuzailina Mohamed Sutan	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
10.	Prof Dr Amir Azam Khan	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
11.	Dr Darrien Mah Yau Seng	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
12.	Dr Delsye Teo Ching Lee	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
13.	Dr Hushairi Zen	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
14.	Assoc Prof Dr M. Shahidul Islam	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013

No.	Name	Conference	Place	Date
15.	Ron Aldrino Chan @ Ron Buking	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
16.	Asrani Lit	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
17.	Dr Abdullah Yassin	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
18.	Ahmad Adzlan Fadzli bin Khairi	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
19.	Mohd Farid Atan	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
20.	Prof Ir Dr Andrew Ragai Henry Rigit	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
21.	Prof Ir Dr Law Puong Ling	6th International Engineering Conference 2013 (EnCon 2013)	Hotel Hilton, Kuching	1-4 Julai 2013
22.	Norsuzailina Mohamed Sutan	Seminar Hasil Penyelidikan Sektor Pengajian Tinggi Kementerian Pendidikan 2013	EDC Hotel, UUM, Kedah	2-3 Julai 2013
23.	Mohd Azrin Mohd Said	International Conference on Advances in Mechanical Engineering (ICAME2013)	Melaka	28-29 Ogos 2013
24.	Noor Aliah binti Abdul Majid	ICE 2013 : 2nd International Conference on Ergonomics	Berjaya Times Square, Kuala Lumpur	1-4 September 2013
25.	Dr Norazzlina M. Sa'don	International Civil and Infrastructure Engineering Conference (InCIEC 2013)	Hotel Pullman, Kuching, Sarawak	22-25 September 2013
26.	Assoc Prof Dr Siti Noor Linda Taib	Soft Soil Engineering International Conference 2013	Hotel Riverside Majestic, Kuching	17-19 September 2013
27.	Assoc Prof Ir Dr Resdiansyah Mansyur	i-INOVA Product Competition (Research Product Competition Expo)	Stadium Tertutup Nilai, Negeri Sembilan	25-27 Oktober 2013
28.	Dr Ir Ting Sim Nee	9th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA) & 1st International Conference on Construction and Building Engineering (ICONBUILD)	Persada Johor Convention Centre	28-30 Oktober 2013
29.	Assoc Prof Dr Abu Saleh Ahmed	International Conference on Advances in Mechanical and Manufacturing Engineering	Kuala Lumpur, Malaysia	26-28 November 2013
30.	Dr Delsye Teo Ching Lee	1st International Conference on the Science and Engineering of Materials 2013 (ICoSEM 2013)	Kuala Lumpur	13-14 November 2013

No.	Name	Conference	Place	Date
31.	Dr Tay Kai Meng	Visual Communications and Image Processing (VCIP) 2013	Kuching, Sarawak	17-20 November 2013
32.	Dr Nordiana Rajae	2013 IEEE 5th International Conference on Engineering Education (ICEED2013)	Kuala Lumpur	4-5 Disember 2013
33.	Dr Nordiana Rajae	2nd International Higher Education Teaching and Learning Conference 2013	Curtin University, Miri, Sarawak	9-10 Disember 2013

7.2 LIST OF INTERNATIONAL CONFERENCE / SEMINAR PRESENTED BY LECTURER

No.	Name	Conference	Place	Date
1.	Dr Nicholas Kuan Hoo Tien	2013 International Congress on Natural Sciences and Engineering (ICNSE 2013)	Taipei, Taiwan	8-10 Januari 2013
2.	Prof Dr Sinin Hamdan	Second International Conference on Advances in Materials Processing and Characterization AMPC 2013	College of Engineering, Guindy Anna University, Chennai, India	6-8 Februari 2013
3.	Dr Abdul Razak Abdul Karim	The Seventh International Structural Engineering and Construction Conference (ISEC-7)	Campus Center, University of Hawaii, Manoa, Honolulu, United States	18-23 Jun 2013
4.	Prof Dr Ng Chee Khoon	The Seventh International Structural Engineering and Construction Conference (ISEC-7)	Campus Center, University of Hawaii, Manoa, Honolulu, United States	18-23 Jun 2013
5.	Assoc Prof Dr Khairuddin Sanaullah	The 2nd International Conference on Engineering and Applied Science (2013 ICEAS)	Tokyo, Jepun	15-17 Mac 2013
6.	Dr Lim Soh Fong	2013 Spring Meeting and 9th Global Congress on Process Safety	Grand Hyatt, San Antonio, Texas, USA	28 April-2 Mei 2013
7.	Prof Ir Dr Andrew Ragai Henry Rigit	12th Asian Symposium on Visualization	Tainan, Taiwan	19-23 Mei 2013
8.	Norsuzailina Mohamed Sutan	6th International Conference on Computational Methods and Experiments in Materials Characterisation	Siena, Itali	4-6 Jun 2013
9.	Dr Mohd Danial Ibrahim	5th World Tribology Congress (WTC 2013)	Palaolimpico, Turin, Itali	8-13 September 2013
10.	Dr Leonard Lim Lik Pueh	Indianapolis Fall 2013: 24th American Chemical Society National Meeting & Exposition: The "Chemistry in Motion"	Indianapolis, USA	8-12 September 2013
11.	Muhamad Fadzli bin Ashari	5th International Conference on Advanced Design and Manufacturing (ADM2013)	Valencia, Spain	25-28 September 2013
12.	Dr Tay Kai Meng	2013 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013)	Hyderabad, India	7-10 Julai 2013
13.	Ibrahim Yakub	(ICANM2013) International Conference on Exhibition on Advanced & Nano Materials	Quebec City, Kanada	12-14 Ogos 2013

No.	Name	Conference	Place	Date
13.	Assoc Prof Dr Mohd Saufee Muhammad	Science and Information Conference 2013 (SAI 2013)	London, UK	7-9 Oktober 2013
14.	Dr Delsye Teo Ching Lee	Sustainable Engineering Society (SEng) 2013 Conference	Canberra, Australia	18-20 September 2013
15.	Mohd Azrin Mohd Said	2013 International Conference on Manufacturing and Optimization (ICMO 2013)	Delhi, India	16-17 September 2013
16.	Assoc Prof Dr Nasser Rostam Afshar	35th International Association of Hydraulic Research (IAHR) World Congress	InterContinental Century City Chengdu, China	8-13 September 2013
17.	Dr Siti Kudnie Sahari	2nd International Conference on Advanced Material Engineering & Technology (ICAMET2013)	Bandung, Indonesia	28-29 November 2013
18.	Dr Mohd Danial Ibrahim	40th Leeds-Lyon Symposium on Tribology	Lyon, France	4-6 September 2013
19.	Dayang Nur Salmi Dharmiza binti Awang Salleh	IEEE International Conference on Teaching, Assessment and Learning for Engineering	Bali, Indonesia	26-29 Ogos 2013
20.	Prof Dr Amir Azam Khan	13th International Symposium on Advanced Materials (ISAM2013)	Islamabad, Pakistan	23-29 September 2013
21.	Prof Datuk Dr Khairuddin Ab Hamid	Malaysia Japan Academic Scholar Conference 2013 (MJASC 2013)	Universiti Meiji, Tokyo, Jepun	8-9 November 2013
22.	Dr Shanti Faridah Salleh	International Conference on Renewable Energy Research and Applications (ICRERA)	Universiti Meiji, Tokyo, Jepun	20-23 Oktober 2013
23.	Annisa Jamali	2013 Internatinal Conference on Control, Mechatronic and Automation (ICCMA)	Sydney, Australia	6-7 Disember 2013
24.	Dr Shafrida Sahrani	2013 Asia Pacific Microwave Conference (APMC 2013)	Seoul, Korea	5-8 November 2013
13.	Ron Aldrino Chan @ Ron Buning	31st Conference of the ASEAN Federation of Engineering Organizations (CAFEO 31)	JHCC Hotel Convention Center (Hotel Sultan), Jakarta, Indonesia	10-14 November 2013

8 PUBLICATIONS

8.1 PROCEEDINGS

Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
Dr Darrien Mah Yau Seng	Modelling of River Dynamics for Energy Harnessing	6th Engineering Conference (EnCon) 2013, 1-4 July, Kuching, Sarawak, doi:10.3850/978-981-08-7920-4_136 (Indexed by RPS)
Dr Darrien Mah Yau Seng	Water Sensitive Urban Design in Existing Urban Settings, Case Study of Dry Detention Pond in Kuching City	International Civil & Infrastructure Engineering Conference (InCIEC 2013), 22-25 September, Kuching, Sarawak (Indexed by IIIIE)
Dr Shafrida Sahrani	FDTD Method for the Analysis of the EM Field from a Moving Source	2013 Asia-Pacific Microwave Conference, APMC2013, Seoul, Korea, November 2013
Assoc Prof Dr Nasser Rostam Afshar	Evaluation of Buffered zone in Haraz river in Iran	35th International association of hydraulic research (IAHR) World Congress, 8 to 13 September, 2013, Chengdu, China.
Norsuzailina Mohamed Sutan	Characterizations of Calcium Hydroxide (C-H) Crystals in Nano Modified Binder (NMB)	1st International Conference on Chemical, Nano and Sustainable Engineering (ICCNSE-2013), 29-31 March 2013, Hotel, Novotel, Kuala Lumpur
Khairul Anwar Mohd Said	Characteristics of Carbon-supported Catalysts derived for Low-temperature Selective Catalytic Reduction: A Short Review	1st International Conference on Chemical, Nano and Sustainable Engineering (ICCNSE-2013), 29-31 March 2013, Hotel, Novotel, Kuala Lumpur
Ir David Bong Boon Liang	Palmprint Recognition Based on Bit-Plane Extraction	International Conference on Applied Computer and Applied Computational Science 2013, 2-4 April 2013, Kuala Lumpur
Assoc Prof Dr Mohd Saufee Muhammad	VEDEPSO Algorithm for Designing Unique Library of DNA Strands	2nd International Conference on Advances in Computer and Information Technology (ACIT 2013), 4-5 May 2013, Hotel Shangri-La, Kuala Lumpur
Sharifah Masniah Wan Masra	Color Blind Image Correction	2nd International Conference on Advances in Electronic Devices and Circuits (EDC2013), 4-5 May 2013, Hotel Shangri-La, Kuala Lumpur
Norsuzailina Mohamed Sutan	Calcium Carbonate Efflorescence on Pozzolanic Modified Mortar	2nd International Conference on Advances in Structural, Civil and Environmental Engineering (SCEE - 2013), 4-5 Mei 2013, Kuala Lumpur

Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
Mohd Azrin Mohd Said	Virtual Production Line Layout Modeling Using Arena Simulation Software	International Conference on Advances in Mechanical Engineering (ICAME2013), 28-29 August 2013, Melaka
Assoc Prof Dr Abu Saleh Ahmed	Biodiesel from Waste Palm Oil and Chicken Fats as an Alternative Fuel for Diesel Engine	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Dr Syed Tarmizi Syed Shazali	Effects of Automated Manufacturing System Towards Workforce's Behaviours	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Norsuzailina Mohamed Sutan	Utilization of Waste Glass in Concrete	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Prof Dr Amir Azam Khan	Phase Change and Corrosion Effect on the Failure of a High Voltage Transmission Conductor	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Dr Delsye Teo Ching Lee	Compressive Strength and Depth of Chloride Penetration of Concrete Containing Palm Oil Fuel Ash (POFA)	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Dr Hushairi Zen	Modeling and Analysis of Power Network Topology	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Assoc Prof Dr M. Shahidul Islam	Measuring Production Capacity Utilization and Its Impact on Manufacturing Performance and Environment	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Ron Aldrino Chan @ Ron Bukiing	Investigating the Effect of Oil Palm Fiber as Filler Material in HMA Mix Design	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Asrani Lit	Power Optimization for Mesh Network-on-Chip Architecture: Multilevel Network Partitioning Approach	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Dr Abdullah Yassin	Optimization of Green Energy Extraction: An Application of Cross-Flow Micro-Hydro Turbine	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Ahmad Adzlan Fadzli bin Khairi	Investigation on Water Consumption Pattern in Traditional Malaysian Kampung: An Insight Study Water and Environmental Issues	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Mohd Farid Atan	Study on the Potential of Utilizing the Agricultural Waste as Biosorbent for Heavy Metal Ions	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching

Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
Noor Aliah binti Abdul Majid	Musculoskeletal Analysis of Driving Fatigue: The Influence of Seat Adjustments	ICE 2013 : 2nd International Conference on Ergonomics, 1-4 September 2013, Berjaya Times Square, Kuala Lumpur
Norsuzailina Mohamed Sutan	Correlation Between Efflorescence Intensity and Hydration of Pozzolanic Modified Cement System	Seminar Hasil Penyelidikan Sektor Pengajian Tinggi Kementerian Pendidikan 2013, 2-3 July 2013, EDC Hotel, UUM, Kedah
Dr Norazzlina M. Sa'don	Dynamic Soil Stiffness Between WAK, SASW and SCPT Tests	International Civil and Infrastructure Engineering Conference (InCIEC 2013), 22-25 September 2013, Hotel Pullman, Kuching
Patrick Low Tiong Kie (PhD Student: Prof Ir Dr Andrew Ragai H.R)	Computational Fluid Dynamics Simulations of a Two-Steps Char Reactor	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Dayang Salyani Abang Mahmud (PhD Student: Prof Dr Amir Azam Khan)	Advanced Materials for Low Temperature Solid Oxide Fuel Cells (LT-SOFCs): A Review	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Chong Kok Hing (PhD Student: Prof Ir Dr Law Puong Ling)	A Horizontal Air-Staged Biomass-to-Heat Combustion Chamber: Development and Performance	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Prof Ir Dr Andrew Ragai Henry Rigit	Assessment of Tidal Energy Resources from Tidal Streams in Sarawak Coastline	6th International Engineering Conference 2013 (EnCon 2013), 1-4 July 2013, Hotel Hilton, Kuching
Assoc Prof Ir Dr Resdiansyah Mansyur	E-SUTRA: Expert System for Sustainable Transportation	i-INOVA Product Competition (Research Product Competition Expo), 25-27 Oktober 2013, Stadium Tertutup, Negeri Sembilan
Dr Ir Ting Sim Nee	Selection Framework for Standard Form of Contract for Malaysian Construction Projects	9th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA) & 1st International Conference on Construction and Building Engineering (ICONBUILD), 28-30 Oktober 2013, Persada Johor Convention Centre
Assoc Prof Dr Abu Saleh Ahmed	Experimental Investigation of Biodiesel from Waste Palm Oil and Chicken Fats as a Clean Fuel for Diesel Engine	International Conference on Advances in Mechanical and Manufacturing Engineering, 26-28 November 2013, Kuala Lumpur
Lee Lin Jye (PhD Student: Assoc Prof Dr Siti Noor Linda)	Lateral Instability of Piled Riverine Structures in the Estuaries of Sarawak	Soft Soil Engineering International Conference 2013, 17-19 September 2013, Hotel Riverside, Kuching
Striprabu a/l Strimari (PhD Student: Assoc Prof Dr Siti Noor Linda)	Investigation on Influence of Water Content in Cement Stabilised Serian Clayey Soil via Triaxial Test	Soft Soil Engineering International Conference 2013, 17-19 September 2013, Hotel Riverside, Kuching
Prof Dr Md Abdul Mannan	Oil Palm Shell (OPS) Renewable Green Aggregate for Construction of Rural Housings,	International Civil and Infrastructural Engineering Conference, InCIEC-2013, 22-24 September 2013, Kuching, Sarawak

Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
Dr Delsye Teo Ching Lee	Improving the Properties of Oil Palm Shell (OPS) Concrete Using Polyvinyl Alcohol (PVA) Coated Aggregates	1st International Conference on the Science and Engineering of Materials 2013 (ICoSEM 2013), 13-14 November 2013, Kuala Lumpur
Dr Nordiana Rajae	Assessment of Student Learning Outcomes in Digital Signal Processing Course in PKEK, UNIMAS	2013 IEEE 5th International Conference on Engineering Education (ICEED2013), 4-5 December 2013, Kuala Lumpur
Dr Nordiana Rajae	Towards Accreditation in Engineering Education: A Review on Learning Tools, Pedagogies and Assessment Procedures in Department of Electronic Engineering, UNIMAS	2nd International Higher Education Teaching and Learning Conference 2013, 9-10 December 2013, Curtin University, Miri, Sarawak
Dr Nordiana Rajae	Embedding Sustainability in Engineering Education	World Hybrid Conference (WHC) 2013
Dr Nordiana Rajae	A DNA Computing Approach for Determining Coloring of Graphs	World Hybrid Conference (WHC) 2013
Dr Hushairi Zen	Multipath Routing Protocol for Mobility in Wireless Sensor Networks	1st International Conference on Wireless Sensor Networks for developing Countries, 24-26 April 2013, Jamshoro, Pakistan
Dr Hushairi Zen	Intelligent Energy Management Scheme for Home Area Networks Using fair emergency demand response Programs (FEDRP)	6 th International Engineering Conference, EnCON 2013, Kuching Sarawak
Dr Hushairi Zen	Modeling and Analysis of Power Network Topology	6 th International Engineering Conference
Dr Hushairi Zen	Exact Linearization via State Feedback Algorithm for Permanent magnet Synchronous generator (PMSG) with Boost Converter	6 th International Engineering Conference
Dr Hushairi Zen	Robust Speed Control of Interior Permanent Magnet Synchronous Machine (PMSM) Using Fractional Order Control	6 th International Engineering Conference
Dr Hushairi Zen	Optimization of Green Energy Extraction: An Application of Cross-Flow Micro-hydro turbine	6 th International Engineering Conference
Dr Hushairi Zen	Fast Association Process (FAP) of Beacon Enabled for IEEE 802.15.4 in Strong Mobility	8 th Conference on IT in Asia, CITA 13, 1-4 th July, Kuching, Malaysia
Dr Hushairi Zen	Performance Evaluation of Beacon Enabled IEEE 802.15.4 MAC for mobile Wireless Sensor Networks under NS-2	8 th Conference on IT in Asia, CITA 13, 1-4 th July, Kuching, Malaysia

Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
Dr Nicholas Kuan Hoo Tien	The Mechanical Properties of Recyclable Hemp-Based Fibre Composites and Sandwich Structures	2013 International Congress on Natural Sciences and Engineering (ICNSE 2013), 8-10 January 2013, Taipei, Taiwan
Elammaran Jayamani (PhD Student: Prof Dr Sinin Hamdan)	An Investigation of Sound Absorption Coefficients of Kenaf Fiber Reinforced Urea-Formaldehyde Polymer Matrix Composite	Second International Conference on Advances in Materials Processing and Characterization AMPC 2013, 6-8 February 2013, College of Engineering, Guindy Anna University, Chennai, India
Dr Abdul Razak Abdul Karim	Assessment Guidelines of Wall-Diaphragm Connections for Masonry Buildings	The Seventh International Structural Engineering and Construction Conference (ISEC-7), 18-23 June 2013, Campus Center, University of Hawaii, Manoa, Honolulu, United States
Prof Dr Ng Chee Khoon	The Effect of Coarse Aggregate Saturation Condition on the Properties of Concrete	The Seventh International Structural Engineering and Construction Conference (ISEC-7), 18-23 June 2013, Campus Center, University of Hawaii, Manoa, Honolulu, United States
Assoc Prof Dr Khairuddin Sanaullah	Sensor Development and Spatial Temperature Variation Across Condensing Super-Sonic Steam Plume	The 2nd International Conference on Engineering and Applied Science (2013 ICEAS), 15-17 March 2013, Tokyo, Japan
Dr Lim Soh Fong	Solid State Carbon Sequestration by Utilization of Agro-wastes to Produce Value-Added Products	2013 Spring Meeting and 9th Global Congress on Process Safety, 28 April-2 Mei 2013, Grand Hyatt, San Antonio, Texas, USA
Prof Ir Dr Andrew Ragai Henry Rigit	Flow Visualisation of a Dielectric Barrier Discharge Plasma Actuator	12th Asian Symposium on Visualization, 19-23 Mei 2013, Tainan, Taiwan
Dr Mohd Danial Ibrahim	Macro-Surface Modification Through Exploitation of Rivets and Dimples - Numerical and Experimental	5th World Tribology Congress (WTC 2013), 8-13 September 2013, Palaolimpico, Turin, Itali
Norsuzailina Mohamed Sutan	Physicochemical Characterization of Polymer Composite Cement Systems	6th International Conference on Computational Methods and Experiments in Materials Characterisation, 4-6 June 2013, Siena, Italy
Dr Leonard Lim Lik Pueh	Proposed Field Scale Photovoltaic Reactor for In Situ Groundwater Remediation	Indianapolis Fall 2013: 24th American Chemical Society National Meeting & Exposition: The "Chemistry in Motion", 8-12 September 2013, Indianapolis, USA
Muhamad Fadzli bin Ashari	Accelerated Production of White Pepper using Integrated Mechanical and Enzymatic Solutions in an Automated Machine	5th International Conference on Advanced Design and Manufacturing (ADM2013), 25-28 September 2013, Valencia, Spain

Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
Dr Tay Kai Meng	<ol style="list-style-type: none"> 1) Interval-based and Fuzzy Set-based Approaches to Modeling of Fuzzy Inference Systems with the Local Monotonicity Property 2) Monotonicity Preserving SIRMs-Connected Fuzzy Inference Systems with a new Monotonicity Index: Learning and Tuning 3) A New Dempster Shafer Theory-based Ranking Method for Fuzzy Sets with Fuzzy Targets 4) Enhancing an Evolving Tree-based Text Document Visualization Model with Fuzzy c-Means Clustering 5) A New Framework With Similarity Reasoning and Monotone Fuzzy Rule Relabeling for Fuzzy Inference Systems 6) A New Online Updating Framework for Constructing Monotonicity-Preserving Fuzzy Inference Systems 	2013 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013), 7-10 Julai 2013, Hyderabad, India
Ibrahim Yakub	Characterization of Calcium Silicate Hydrate and Calcium Hydroxide in Nanosilica Binder Composites	(ICANM2013) International Conference on Exhibition on Advanced & Nano Materials, 12-14 Ogos 2013, Quebec City, Kanada
Dr Delsye Teo Ching Lee	Mechanical Properties of Concrete Produced from Waste Oil Palm Shell (OPS) Coated with PolyVinyl Alcohol (PVA) as Aggregates	Sustainable Engineering Society (SEng) 2013 Conference, 18-20 September 2013, Canberra, Australia
Assoc Prof Dr Mohd Saufee Muhammad	New Hybridizing Strategy of Differential Evolution and Particle Swarm Optimization in a Vector Evaluated Multi-Swarm Optimizer	Science and Information Conference 2013 (SAI 2013), 7-9 Oktober 2013, London, UK
Mohd Azrin Mohd Said	Improvement of Production Line Layout using Arena Simulation Software	2013 International Conference on Manufacturing and Optimization (ICMO 2013, 16-17 September 2013, Delhi, India
Dr Siti Kudnie Sahari	Defects Generation in Ge/GeO ₂ Structure	2nd International Conference on Advanced Material Engineering & Technology (ICAMET2013), 28-29 November 2013, Bandung, Indonesia
Dr Mohd Danial Ibrahim	Macro-Surface Modification on Winglets	40th Leeds-Lyon Symposium on Tribology, 4-6 September 2013, Lyon, France

Name of Lecturer	Paper Title	Name of Proceeding/Seminars/Vol./Pg
Dayang Nur Salmi Dharmiza binti Awang Salleh	Implementation of Constructive Alignment Approach in Department of Electronic Engineering, Faculty of Engineering, Universiti Malaysia Sarawak	IEEE International Conference on Teaching, Assessment and Learning for Engineering, 26-29 Ogos 2013, Bali, Indonesia
Prof Dr Amir Azam Khan	Advanced Ceramic Matrix Composites for High Energy X-Ray Generation	13th International Symposium on Advanced Materials (ISAM2013), 23-29 September 2013, Islamabad, Pakistan
Prof Datuk Dr Khairuddin Ab Hamid	New Dimension of the Look East Policy: Malaysia-Japan Research, Technology and Knowledge Transfer Partnership	Malaysia Japan Academic Scholar Conference 2013 (MJASC 2013), 8-9 November 2013, Universiti Meiji, Tokyo, Jepun
Dr Shanti Faridah Salleh	Pre-Treatment of Empty Fruit Bunch using Ionic Liquids	International Conference on Renewable Energy Research and Applications (ICRERA), 20-23 Oktober 2013, Universiti Meiji, Tokyo, Jepun
Annisa Jamali	Collision Free Control of Variable Length Hyper Redundant Robot Manipulator	2013 International Conference on Control, Mechatronic and Automation (ICCMA), 6-7 Disember 2013, Sydney, Australia
Dr Shafrida Sahrani	FDTD Method for the Analysis of the EM Field from a Moving Source	2013 Asia Pacific Microwave Conference (APMC 2013), 5-8 November 2013, Seoul, Korea
Ron Aldrino Chan @ Ron Buking	Investigating Potential Usage of Raw Oil Palm Shell as Coarse Aggregate for Conventional Pavement Mix Design	31st Conference of the ASEAN Federation of Engineering Organizations (CAFEO 31), 10-14 November 2013, JHCC Hotel Convention Center (Hotel Sultan), Jakarta, Indonesia

8.2 JOURNALS

No	Name of Lecturer	Paper Title	Name of Journals/ Vol./Pg.
1.	Dr Darrien Mah Yau Seng	Field Investigation on Anthropogenic Impacted Lowland Riparian Zones	Journal of Water Resources & Protection 5 (3), 259-265
2.	Dr Darrien Mah Yau Seng	Urban Flood Reconstruction using Bloggers' Posting on Road Inundations	Urban Planning & Design Research 1(2), 25-32
3.	Dr Darrien Mah Yau Seng	Modelling of Batang Rejang for Extreme Events	UNIMAS e-Journal of Civil Engineering, 4(3), 1-5
4.	Dr Darrien Mah Yau Seng	Evaluation of C and P Factors in Universal Soil Loss Equation on Trapping Sediment: Case Study of Santubong River	Journal of Water Resources and Protection 5(12), 1149-1154
5.	Assoc Prof Dr M. Shahidul Islam	The Dossier on the Growth Indicators of Manufacturing Industries	JMORS Science Magazine Vol. 1 Issue 3, December 12, 2013. pp. 5-7 (http://www.tfeassociates.com/jmors-sm/)
6.	Assoc Prof Dr M. Shahidul Islam	Micro Hydro Energy Potentials in Southasian Countries: An Overview	JMORS Science Magazine Vol. 1. Issue 2, November 25, 2013. pp 3-4. (http://www.tfeassociates.com/jmors-sm/)
7.	Assoc Prof Dr M. Shahidul Islam	A Scenario Analysis on Small Scale Renewable Energy and SMEs	JMORS Science Magazine Vol. 1 Issue 2, November 15, 2013 (http://www.tfeassociates.com/jmors-sm/)
8.	Assoc Prof Dr M. Shahidul Islam	Determinants of Manufacturing SMEs Growth: A Review	Journal of Manufacturing Operations Research and Sustainability, Vol. 1, No. 2, pp. 46-59.
9.	Assoc Prof Dr M. Shahidul Islam	An Approach to Optimize Machinery Capacity Utilization for Sustainable Manufacturing Performance	Journal of Manufacturing Operations Research and Sustainability, Volume 1, NO. 2. pp. 21-31.
10.	Assoc Prof Dr M. Shahidul Islam	Manufacturing Capacity Utilization and Its Impact on Production Performance and Environment	Journal of Manufacturing Operations Research and Sustainability, Vol. 1, No. 1, pp 7-12.
11.	Assoc Prof Dr M. Shahidul Islam	Measuring Production Capacity Gap: A Way of Managing Manufacturing Performance	International Journal of Productivity and Performance Management, ID IJPPM-Accepted.
12.	Assoc Prof Dr M. Shahidul Islam	An Insight Study on Water Quality and Environment in Perspective of Traditional Malaysian Villages	Research Publishing, ISBN: 978-981-07-6059-5, doi: 10.3850/978-08-7920-4_034.
13.	Assoc Prof Dr M. Shahidul Islam	Explore on Water Treatment and Supply Cost in Traditional Malaysian Villages: An Insight Study on Water and Environmental Issues	Research Publishing, ISBN: 978-981-07-6259-5, doi: 10.3850/978-981-08-7920-4_034.

No	Name of Lecturer	Paper Title	Name of Journals/ Vol./Pg.
14.	Assoc Prof Dr M. Shahidul Islam	Investigation on Water Consumption Pattern in Traditional Malaysian Kampung: An Insight Study on Water and Environmental Issues	Research Publishing, ISBN: 978-981-07-6059-5, doi: 10.3850/978-981-08-7920-4_034.
15.	Assoc Prof Dr M. Shahidul Islam	Measuring Contextual Impact of Maintenance on Machinery Capacity Utilization and Environment	Research Publishing, ISBN: 978-981-07-6059-5, doi: 10.3850/978-981-08-7920-4_034.
16.	Assoc Prof Dr M. Shahidul Islam	Optimization of Green Energy Extraction: An Application of Cross-Flow Micro-Hydro Turbine	Research Publishing, ISBN: 978-981-07-6059-5, doi: 10.3850/978-981-08-7920-4_034.
17.	Assoc Prof Dr M. Shahidul Islam	Energy Extraction Performance Analysis of Cross Flow Micro-Hydro Turbine	Research Publishing, ISBN: 978-981-07-6059-5, doi: 10.3850/978-981-08-7920-4_034.
18.	Assoc Prof Dr M. Shahidul Islam	Measuring Production Capacity Utilization and Its Impact on Manufacturing Performance and Environment	Research Publishing, ISBN: 978-981-07-6059-5, doi: 10.3850/978-981-08-7920-4_034.
19.	Assoc Prof Dr M. Shahidul Islam	Nanopore Membrane in Water Treatment Chemical Reclamation: A Pilot Study Towards Environment Sustainability	Journal of Manufacturing Operations Research and Sustainability, Vol. 1, No. 1, pp. 7-12.
20.	Assoc Prof Dr M. Shahidul Islam	Optimization of Green Energy Extraction: An Application of Cross-Flow Micro-Hydro Turbine	Journal of Manufacturing Operations Research and Sustainability, Vol. 1, No. 1.
21.	Assoc Prof Dr M. Shahidul Islam	Manufacturing Capacity Utilization and Its Impact on Production Performance and Environment	Journal of Manufacturing Operations Research and Sustainability, Vol. 1, No. 1, pp. 7-12.
22.	Prof Dr Md Abdul Mannan	Importance of Thermal Comfort for Library Building in Kuching, Sarawak	International Journal of Energy and Environment, Vol. 4, Issue 6, 2013, pp. 1003-1012 (www.IJEE.IEEFoundation.org)
23.	Prof Dr Md Abdul Mannan	Effects of Aggressive Ammonium Nitrate on Durability Properties of Concrete Using Sandstone and Granite Aggregates	World Academy of Science, Engineering and Technology, 73, 2013, pp. 1107-1111.
24.	Prof Dr Md Abdul Mannan	Performance of Concrete Grout Under Aggressive Chloride Environment in Sabah	World Academy of Science, Engineering and Technology, 73, 2013, pp. 1171-1175..
25.	Prof Dr Md Abdul Mannan	Structural Performance of Precast Floor Panel Using Oil Palm Shell (OPS) Solid Waste	Journal of Infrastructure Systems, Manuscript Number ISENG-462, http://jrniseng.edmgr.com (under review)

No	Name of Lecturer	Paper Title	Name of Journals/ Vol./Pg.
26.	Prof Dr Md Abdul Mannan	Mechanical and Durability Properties of Medium Strength Self-Compacting Concrete With High-Volume Fly Ash and Blended Aggregates	Cement and Concrete Composites (under review)
27.	Prof Dr Md Abdul Mannan	Variations on Water Absorption, VPV and Sorptivity Properties at Different Concrete Zones Using Ready Mixed Concrete	Feature Article, Research Bulletin, Faculty of Engineering, UNIMAS, Vol. 6, December 2013, ISSN 1985-2894.
28.	Dr Ivy Tan Ai Wei	Derivation of Oil Palm Shell-Based Adsorbent using H ₂ SO ₄ Treatment for Removal of Atrazine from Aqueous Solutions	Malaysian Journal of Civil Engineering, 25, 45-57
29.	Dr Ivy Tan Ai Wei	Removal of Toluene from Aqueous Solutions using Oil Palm Shell Based Activated Carbon: Equilibrium and Kinetics Study	Pertanika Journal of Science and Technology, 22(2). (In Press)
30.	Dr Ivy Tan Ai Wei	Removal of Atrazine from Aqueous Solutions using HNO ₃ Treated Oil Palm Shell-Based Adsorbent	UNIMAS e-Journal of Civil Engineering, 4 (3), 17-22
31.	Dr Ivy Tan Ai Wei	Removal of Atrazine from Water using Oil Palm Shell Based Adsorbents: Equilibrium and Kinetic Study	UNIMAS e-Journal of Civil Engineering, 4 (2), 18-23
32.	Dr Idawati Ismail	Drying-Induced Changes in the Structure of Alkali-Activated Pastes	Journal of Materials Science. 2013, 48(9), pp 3566-3577
33.	Dr Idawati Ismail	Microstructural Changes in Alkali-Activated Fly Ash/Slag Geopolymers with Sulfate Exposure	Materials and Structures. 2013, 46(3), pp. 361-373
34.	Dr Idawati Ismail	Influence of Fly Ash on the Water and Chloride Permeability of Alkali-Activated Slag Materials	Construction and Building Materials. 2013. (48) , pp. 1187-1201
35.	Dr Leonard Lim Lik Pueh	Removal of Toluene from Aqueous Solutions Using Oil Palm Shell Based Activated Carbon: Equilibrium and Kinetics Study	Pertanika Journal of Science and Technology, accepted for publication
36.	Dr Leonard Lim Lik Pueh	Derivation of Oil Palm Shell-based Adsorbent using H ₂ SO ₄ Treatment for Removal of Atrazine from Aqueous Solutions	Malaysian Journal of Civil Engineering (MJCE), 25 (1), 40-48
37.	Dr Leonard Lim Lik Pueh	Removal of Atrazine from Water Using Oil Palm Shell Based Adsorbents: Equilibrium and Kinetic Study	UJCE, 4 (2), 18-23

No	Name of Lecturer	Paper Title	Name of Journals/ Vol./Pg.
38.	Dr Leonard Lim Lik Pueh	Removal of Atrazine from Aqueous Solutions Using HNO ₃ Treated Oil Palm Shell-Based Adsorbent	UJCE, 4 (3), 17-22
39.	Dr Shafrida Sahrani	Numerical Technique for the Analysis of Electromagnetic Field by Moving Dielectric Body	IEEEJ Trans FM of Special Issue on Recent Progress in Computational Electromagnetic and Its Application, vol. 133, no. 5, pp 255-259, May 2013
40.	Dr Shafrida Sahrani	FDTD Analysis with Overset Grid Generation Method for Rotating Body and Evaluation of Its Accuracy	IEICE Trans. of Special Issue: Recent Progress in Electromagnetic Theory and Its Application, vol. E96-C, no.1, pp 35-41, January 2013
41.	Assoc Prof Dr Nasser Rostam Afsyar	Effect of Roughness on Discharge	UNIMAS e-Journal of Civil Engineering, Volume 4, Issue 3, 2013
42.	Assoc Prof Dr Nasser Rostam Afsyar	A Study on the Relationship between Climate Change and Peak Discharge in Sarawak River Basin	UNIMAS e-Journal of Civil Engineering, Volume 4, Issue 3, 2013
43.	Marini Samawi	Scission of Electrospun Polymer Fibres by Ultrasonication	Journal of Polymer 54(16): 4237-4252
44.	Dr Md Rezaur Rahman	Combined Styrene/MMA/Nanoclay Cross-linker Effect on 2 Wood-Polymer Composites (WPCs)	Journal of Bioresources, Vol. 8, no), pp. 4227-4237
45.	Dr Md Rezaur Rahman	Comparative Study of Dielectric Properties of Chicken Feather/Kenaf Fiber Reinforced Unsaturated Polyester Composites	Journal of Bioresources, Vol. 8, no.2, pp. 1591-1603
46.	Dr Md Rezaur Rahman	Study on Thermal and Biodegradation Resistance of Tropical Wood Material Composites	Journal of Applied Polymer Science. Vol. 127, No. 3, pp. 1842-1847.
47.	Dr Md Rezaur Rahman	Thermal and Decay-Resistance Properties of Tropical Wood-Plastic Composites	Journal of Composites Materials. Vol. 47, No. 12, pp. 1493-1500
48.	Dr Md Rezaur Rahman	Physico-mechanical and Decay Resistance Properties of Chemically Modified Tropical Wood Material	Journal of Applied Polymer Science. Vol. 127, No. 3, pp. 1555-1560.
49.	Dr Md Rezaur Rahman	Mechanical and Morphological Properties of Tropical Wood Polymer Nanocomposite (WPNC)	Advanced Materials Research Vol. 667, pp. 200-205
50.	Dr Md Rezaur Rahman	Thermal Stability and Decay Resistance Properties of Tropical Wood Polymer Nanocomposites (WPNC)	Advanced Materials Research Vol. 667, pp. 482-489

No	Name of Lecturer	Paper Title	Name of Journals/ Vol./Pg.
51.	Dr Md Rezaur Rahman	Maleic Anhydride Modified Unsaturated Polyester Composites Reinforced with Chicken Feather Fiber: Dielectric and Morphological Study	World Applied Science Journal, vol. 25, no. 6, pp. 899 – 907
52.	Dr Md Rezaur Rahman	Bamboo Fiber Polypropylene Composites: Effect of Fiber Treatment and Nano Clay on Mechanical and Thermal Properties	Accepted to published in Journal of Vinyl and Additives Technology
53.	Dr Hushairi Zen	Vertical Handover Decision Process for Fourth Generation Heterogeneous Wireless Networks	Asian Journal of Applied Science (ISSN: 2321-0893), Vol. 01-Issue 05, December 2013
54.	Dr Hushairi Zen	Inclined Injection of Supersonic Steam into Subcooled Water: A CFD Analysis	Advance Materials Research Vol.845 (2014) pp 101-107, Trans Tech Publications, Switzerland
55.	Dr Hushairi Zen	Optimization of Energy Extraction from In-stream Water Current: An Application of Ducted Cross-Flow	Journal of Manufacturing Operations Research and Sustainability, Vol. 1, No. 2, pp. 60-67, July 2013

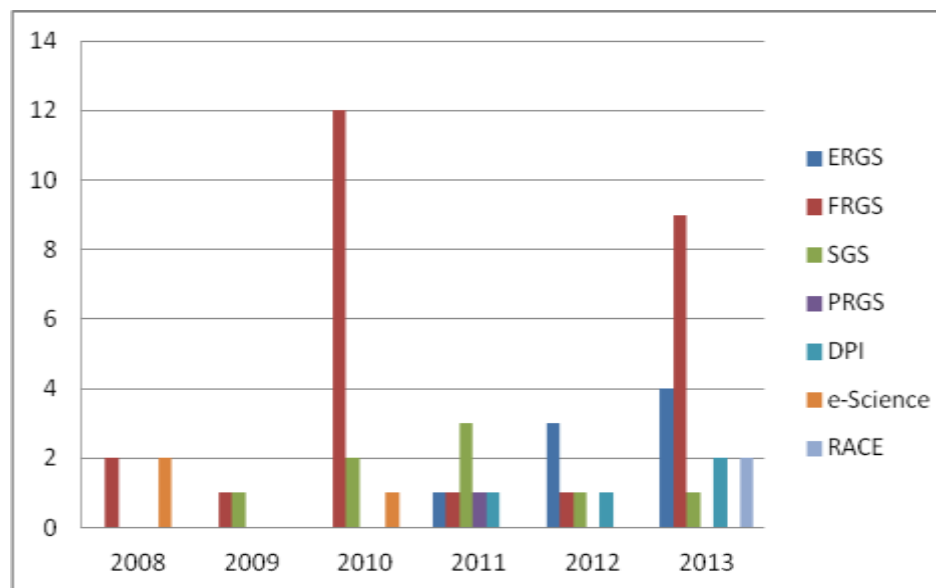
8.3 PUBLICATION AND AWARD BY STAFF STUDY ABROAD

8.3.1 Journal

No	Name of Lecturer	Paper Title	Name of Journals/ Vol./Pg.
1.	Shirley Johnathan Tanjong	Determining Quality Risk for Correlated Bivariate Normal Characteristics	The International Journal of Advanced Manufacturing Technology (in production) – DOI: 10.1007/s00170-014-5623-z

9 LIST OF RESEARCH ACTIVITIES

Year	ERGS	FRGS	SGS	PRGS	DPI	e-Science	RACE
2008		2				2	
2009		1	1				
2010		12	2			1	
2011	1	1	3	1	1		
2012	3	1	1		1		
2013	4	9	1		2		2



No.	Researcher	Co-Researcher	Grant Number	Research Title	Duration	Fund (RM)	Description
1.	Dr Delsye Teo Ching Lee	Prof Dr Ng Chee Khoo / Prof Dr Md Abdul Mannan / Norsuzailina Mohamed Sutan / Prof Dr Hilmi Mahmud (UM)	FRGS/TK04(01)/972/2013 (13)	Chloride Penetration and Time to Corrosion Initiation of Concrete Produced from Agricultural Waste	3 years	73,000.00	
2.	Dr Syed Tarmizi Syed Shazali	Prof Dr Wan Hashim Wan Ibrahim / Assoc Prof Dr M. Shahidul Islam / Assoc Prof Dr Al-Khalid Othman / Dr Abdullah Yassin / Hishammuddin Afifi Huspi / Ahmad Adzlan Khairi / Mohd Azrin Mohd Said	FRGS/TK01(01)/973/2013 (14)	Modelling of Energy Extraction From Low Velocity Water Stream with Micro Hydro Turbine	3 years	128,000.00	
3.	Dr Tay Kai Meng	Dr Delsye Teo Ching Lee / Dr Darrien Mah Yau Seng / Asrani Lit / Assoc Prof Dr Lim Chee Peng (University Deakin, Australia)	FRGS/ICT02(01)/997/2013 (38)	A Novel Theoretical Synthesis of Fuzzy Causal Modeling and Information Theory: Mathematical Extensions, Evaluations, and a Real World Application in Sarawak	3 years	68,900.00	
4.	Prof Madya Dr Siti Noor Linda Taib	Norsuzailina Mohamed Sutan / Ibrahim B Yakub / Ron Aldrino Chan@Ron Buking / Dr Norazzlina M.Sa'don / Prof Fauziah Bt Ahmad	FRGS/2/2013/TK07/UNIMAS/02/1	Strength, Morphological and Chemical Characterizations of Pavement Subbase Modified by Chemical and Industrial Waste for Durable Road Construction.	2 years	75,000.00	

No.	Researcher	Co-Researcher	Grant Number	Research Title	Duration	Fund (RM)	Description
5.	Dr Mohd Danial Bin Ibrahim	Dr Miyanaga Norifumu / Dr Nabilah Ibrahim / Muhd Fadzli Ashari	FRGS/2/2013/TKO 1/UNIMAS/02/2	Investigation of Non-Newtonian and Multiphase Laminar-Turbulent Flow Regime Rheology of Modified Nano-Macro Boundary Surfaces	2 years	96,850.00	
6.	Ir David Bong Boon Liang	Dr Tay Kai Meng / Prof Dr Ir Andrew Ragai Ak Henry Rigit / Dr Khoo Bee Ea	FRGS/2/2013/TKO 3/UNIMAS/03/1	Tuning-Free Spatial Descriptor Model For Image Quality Perception	2 years	51,000.00	
7.	Dr Nicholas Kuan Hoo Tien	Prof Dr Amir Azam Khan	FRGS/2/2013/TKO 4/UNIMAS/03/1	An investigation of the analytical tensile model and mathematical impact response formula for the novel lightweight eco-friendly Pandanus atrocapus based composite.	3 years	74,500.00	
8.	Dr Siti Kudnie Sahari	Dr. Rohana Sapawi (UNIMAS) / Norsuzailina Bt Mohamed Sutan / Prof Dato' Burhanuddin Yeop Majlis (UKM) / Prof Ibrahim Ahmad (UNITEN) / Assoc Prof Dr Azrul Azlan Bin Hamzah (UKM)	FRGS/2/2013/TKO 4/UNIMAS/02/1	Theoretical Formulation of Interfacial Layer Growth between High-k and Germanium Surface	2 years	81,000.00	
9.	Prof Dr Sinin Hamdan	Assoc Prof Dr Ismail Jusoh / Prof Madya Dr Hasnizam Abdul Wahid	FRGS/2/2013/SG0 2/UNIMAS/01/1	Sound Quality Assessment of Wood	3 years	112,000.00	
10.	Dr Abdullah Yassin	Assoc Prof Dr M. Shahidul Islam / Dr Syed Tarmizi Syed Shazali / Mohd Azrin Mohd Said	ERGS/1/2013/TKO 1/UNIMAS/02/01	A Novel Method in Measuring Cutting Edge Temperature of End Mill Tool in High Speed Machining using Infrared Radiation	2 years	132,000.00	

No.	Researcher	Co-Researcher	Grant Number	Research Title	Duration	Fund (RM)	Description
11.	Dr Onni Suhaiza Selaman	Assoc Prof Dr Nasser Rostam Afshar / Assoc Prof Dr Siti Noor Linda Taib / Dr Darrien Mah Yau Seng / Dr Magdalene Andrew Munot / Dygku Salma Awg Ismail / Dr Ena Kartina Abdul Rahman (Institut Teknologi, Brunei)	ERGS/1/2013/TK03/UNIMAS/02/01	Design and Efficiency Testing of a New Approach to Water Drainage System in Slope	2 years	80,000.00	
12.	Norazlina Bateni	Prof Dr Md Abdul Mannan / Prof Dr Ng Chee Khoon / Prof Dr FJ Putuhena / Prof Madya Ir Dr Resdiansyah Mansyur / Dr Onni Suhaiza Selaman / Dr Darrien Mah Yau Seng / Dr Delsye Teo Ching Lee / Ron Aldrino Chan @ Ron Bukiing	ERGS/1/2013/TK04/UNIMAS/03/01	Performance of Micro-Detention Pond using Honeycomb Structure for Green Pavement in Housing Area	2 years	135,000.00	
13.	Norsuzailina Mohamed Sutan	Prof Dr Sinin Hamdan / Dr Delsye Teo Ching Lee / Ibrahim Yakub / Dato' Ir Dr Mohd Saleh Jaafar (UPM) / Dr Zainal Abidin Talib (UPM)	ERGS/1/2013/TK04/UNIMAS/02/01	Developments of Durable Eco-Friendly Modified Multicomponent Binder (MMCB) Cement System Containing Ground Spend Fluidized Catalytic Cracking Unit (GSFCCU)	2 years	132,000.00	
14.	Dr Siti Noor Linda bt. Hj. Taib	Prof Dr Shenbaga Rajaratnam Kaniraj Jeyachandran / Ahmad Kamal b. Abd. Aziz / Ir. Lee Lin Jye	02(DPI19)955/2013(02)	Investigation on Lateral of Piles in Sarawak Soft Riverbank	2 years	50,000.00	

No.	Researcher	Co-Researcher	Grant Number	Research Title	Duration	Fund (RM)	Description
15.	Dr. Khairuddin Sanallah	Dr. Lim Soh Fong / Prof. Ir. Dr. Mohd Sobri Takriff / Dr Hushairi Zen / Afrasyab Khan	02(DPI23)999/2013(06)	Modeling/CFD Validation of Direct Contact Condensation of Supersonic Steam with Subcooled water	2 years	50,000.00	
16.	Dr Siti Kudnie Sahari	Norsuzailina bt. Mohamed Sutan / Ibrahim bin Yakub	02(S120)/952/2013 (04)	Germanium Oxide Growth in Dry Oxygen Ambience	1 years	9,996.00	
17.	Norsuzailina Mohamed Sutan	Dato' Ir Dr Mohd Saleh Jafar (UPM) / Dr Khamirul Amin Matori (UPM) / Ibrahim Yakub	RACE/F2/TK/UN IMAS/1	Characterizations and Morphology of Tobermorite and Jennite Like Calcium Silicate Hydrate (C-S-H) During Hydration of Nano Pozzolanic Modified Binder (NPMB)	2 years	45,000.00	
18.	Ir David Bong Boon Liang	Prof Dr Nor Ashidi Mat Isa (USM) / Dr Khoo Bee Ee (USM)	RACE/F2/TK/UN IMAS/3	Blind-PSNR Model for No-Reference Image Quality Assessment	2 years	50,000.00	
19.	Dr Tay Kai Meng	Prof Dr Lim Chee Peng (USM) / Dr Nicholas Kuan Hoo Tien / Dyg Nur Salmi Dharmiza Awg Salleh / Hazmi Hijazi Abdul Halim	RACE/F2/TK/UN IMAS/5	A Novel Interval Type-2 Single-Input-Rule-Modules Connected Fuzzy Inference System: Theoretical Analysis, Extensions and Practical Applications	3 years	50,000.00	

10 ACADEMIC RELATED ACTIVITIES

No	Date	Activities	Venue	Organizer
1	28 Januari 2013	<i>K-Sharing : Microwave Leakage Detector</i>	Makmal Microwave	Jabatan Kejuruteraan Elektronik, Fakulti Kejuruteraan
2	28 Januari 2013	<i>k-Sharing : ALL-100 Universal Programmer</i>	Makmal Microwave	Jabatan Kejuruteraan Elektronik, Fakulti Kejuruteraan
3	26-27 Mac 2013	Bengkel Persediaan Lawatan EAC (Staf Teknikal)	Bilik Mesyuarat Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan
4	30 Mac 2013	Kursus Pendek Pembinaan Blog	Koleh Kominiti Mas Gading	Jabatan Kejuruteraan Elektronik, Fakulti Kejuruteraan
5	22 Mac 2013	Majlis Perpisahan Encik Muhammad Azhan Abdullah	Bilik Mesyuarat Utama, Fakulti Kejuruteraan	Fakulti Kejuruteraan
6	25 Mac 2013	<i>Talk & Site Visit to DID/UNITEN/UNIMAS Collaborated Water Sensitive Urban Design Project in the East Campus of UNIMAS</i>	Teater Multi Meddia (TMM) Fakulti Kejuruteraan & Site Visit (behind Pra-U Main Office)	Jabatan Kejuruteraan Sivil, Fakulti Kejuruteraan
7	18 Mac 2013	<i>Words of Wisdom (WoW) - Berkah Negeriku Dengan Al-Quran</i>	Dewan Kuliah, CTF 2	IEM-SAFE UNIMAS Student Section
8	08 April 2013	Latihan Teori <i>Fluid Mechanics (Pressure and Fluid64 Static)</i>	Bilik Mesyuarat Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan

9	15-Apr-13	Latihan Teori <i>Fluid Mechanics (Series/Parallel Pump Test Rig)</i>	Bilik Mesyuarat Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan
10	17-Apr-13	Latihan Teori <i>Fluid Mechanics (Mass, Bernouli and Energy Equation)</i>	Bilik Mesyuarat Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan
11	8-Apr-13	Latihan Teori <i>Fluid Mechanics (Pressure and Fluid Static)</i>	Bilik Mesyuarat Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan
12	12 April 2013	Lawatan dari Taiyo Yuden ke Fakulti Kejuruteraan	Fakulti Kejuruteraan	Fakulti Kejuruteraan
13	19-21 April 2013	Kejohanan Sukan Mahasiswa UNIMAS (KESUMAS 2013)	sekitar UNIMAS	UNIMAS
14	19 April 2013	Latihan Amali <i>Fluid Mechanics (Series/Parallel Pump Test Rig)</i>	Makmal Fluid Mechanics, Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan
15	22 April 2013	<i>UNIMAS dan X-Fab Sdn Bhd Collaboration Meeting</i>	Bilik Mesyuarat Utama, Fakulti Kejuruteraan	Fakulti Kejuruteraan
16	1-4 Julai 2013	<i>6th International Engineering Conference (EnCon) 2013</i>	Hilton Hotel Kuching	Jabatan Kejuruteraan Mekanikal dan Pembuatan Fakulti Kejuruteraan

17	5-6 Julai 2013	<i>Pelan Strategik Fakulti Kejuruteraan 2013</i>	Damai Beach Resort	Fakulti Kejuruteraan
18	7 Julai 2013	<i>TeamBuilding Fakulti Kejuruteraan</i>	Damai Beach Resort	Fakulti Kejuruteraan
19	18 Julai 2013	Latihan Amali (<i>Distillation Unit</i>)	Makmal Unit Operation Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan	Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan
20	26 Julai 2013	Sesi Perkongsian Ilmu: Pengenalan Kepada Personal Protection Equipment (PPE)	Bilik PBL Jabatan Kejuruteraan Kimia dan Sustainability Tenaga	Fakulti Kejuruteraan Jabatan Kejuruteraan Kimia dan Sustainability Tenaga, Fakulti Kejuruteraan
21	2 Ogos 2013	Perjumpaan Naib Canselor Bersama Staf Fakulti	Dewan Kuliah , CTF 1	Fakulti Kejuruteraan
22	04 September 2013	Program Bersama Fakulti	Dewan Mutiara DeTAR PUTRA, UNIMAS	Fakulti Kejuruteraan

11 STUDENT'S ACTIVITIES

No	Date	Activities	Venue	Organizer
1	11-13 Mac 2013	Minggu Hijau 2013	Fakulti Kejuruteraan	Persatuan Pelajar Fakulti Kejuruteraan (SAFE)
2	13 Mac 2013	Program Motivasi Bersama Pelajar-Pelajar Tahun 6 SK Kampung Melayu	SK Kampung Melayu	IEM-SAFE UNIMAS Student Section
3	21 Mac 2013	Promote Engineering Program to SMK DPHA Gapor	Fakulti Kejuruteraan	IEM-SAFE UNIMAS Student Section
4	20 Mac 2013	<i>SAFE AGM</i>	Fakulti Kejuruteraan	Persatuan Pelajar Fakulti Kejuruteraan (SAFE)
5	11&12 Mac 2013	<i>Site Visit to Bengah Dam</i>	Kpg Bengoh, Padawan	Jabatan Kejuruteraan Sivil, Fakulti Kejuruteraan
6	20 April 2013	<i>CIDB Green Card Course</i>	Teater Multi Meddia (TMM) Fakulti Kejuruteraan	Jabatan Kejuruteraan Sivil, Fakulti Kejuruteraan
7	23-25 April 2013	<i>Engineering Career Fair 2013</i>	Fakulti Kejuruteraan	Persatuan Pelajar Fakulti Kejuruteraan (SAFE)
8	25 April 2013	<i>Career Talk & Open Interview by the Sunway Group Construction</i>	Ruang Serbaguna, Fakulti Kejuruteraan	Fakulti Kejuruteraan
9	27 April 2013	<i>Geology Fields Trip with Jabatan Mineral & Geosains Malaysia for KNS1102 Engineering Geology</i>	Fakulti Kejuruteraan	Jabatan Kejuruteraan Sivil, Fakulti Kejuruteraan
10	30 April 2013	<i>Talk by Ir James yak Mijek for KNS4193 Water Resources</i>	Fakulti Kejuruteraan	Jabatan Kejuruteraan Sivil, Fakulti Kejuruteraan
11	8 Mei 2013	<i>Talk by Internal Examiner Prof David Scott of Curtin University, Australia</i>	Fakulti Kejuruteraan	Jabatan Kejuruteraan Sivil, Fakulti Kejuruteraan

12	10 Mei 2013	<i>Site Visit to Viva City Jazz Suites for KNS3333 Construction Technology</i>	Viva City Jazz Suite Construction Site, Tabuan Jaya	Jabatan Kejuruteraan Sivill, Fakulti Kejuruteraan
13	10-12 Mei 2013	<i>SAFE Leadership Camp at Siar Beach Lundu</i>	Siar Beach Resort, Bau	Persatuan Pelajar Fakulti Kejuruteraan (SAFE)
14	13 Mei 2013	<i>Practical of EBX0032 Entrepreneurship (Food Selling Stalls)</i>	Fakulti Kejuruteraan	Jabatan Kejuruteraan Sivill, Fakulti Kejuruteraan
15	15-17 Mei 2013	Lawatan dari Huewei, DreamCatcher dan HAT ke Fakulti Kejuruteraan	Fakulti Kejuruteraan	Fakulti Kejuruteraan
16	15 Mei 2013	<i>Site Visit to CMS Clinker & SCIB Concrete for KNS4553 Concrete Technology</i>	Fakulti Kejuruteraan	Jabatan Kejuruteraan Sivill, Fakulti Kejuruteraan
17	17 Mei 2013	<i>IEM-SAFE UNIMAS Student Section meeting with IEM Sarawak Branch</i>	Function Room, UPC	IEM-SAFE UNIMAS Student Section
18	22 Mei 2013	Bengkel Kecemerlangan Akademik Program Kejuruteraan Sivill	Fakulti Kejuruteraan	Jabatan Kejuruteraan Sivill, Fakulti Kejuruteraan
19	Mei 2013	Majlis Makan Malam Fakulti Kejuruteraan (HOLLYWOOD NITE)	Pennview Court Hotel	Persatuan Pelajar Fakulti Kejuruteraan (SAFE)
20	Mei 2013	Majlis Penghargaan KESAUMAS 2013	Fakulti Kejuruteraan	Persatuan Pelajar Fakulti Kejuruteraan (SAFE)
21	24 June 2013	<i>IEM Care Trip to Kampung Datu, Sibul</i>	Kampung Datu, Sibul	IEM-SAFE UNIMAS Student Section
22	25 June 2013	Majlis Sambutan Hari Jadi Staf Fakulti Kejuruteraan dan Perayaan Hari Gawai	Ruang Serbaguna, Fakulti Kejuruteraan	Kelab Sukan, Rekreasi & Kebajikan Staf Fakulti Kejuruteraan
23	29 June 2013	Program Motivasi dan LDK bersama pelajar Tingkatan 3,5 dan 6 Atas SMK Lundu	Kem Pueh, Sematan	Jabatan Kejuruteraan Elektronik, Fakulti Kejuruteraan
24	27-30 Jun 2013	<i>Young Engineer Section National Summit 2013</i>	<i>Lembah Azwen, Hulu Langat dan Wisma IEM</i>	IEM-SAFE UNIMAS Student Section

11.1 COMPETITION'S AND AWARD'S

No	Student Name	Program	Award	Category	Year
1	Cathy Ambrose	Dept of Mechanical & Manufacturing Engineering	i-ENVEX 2013 (International Engineering Invention and Innovation Exhibition 2013)	Gold and Award of "Honor of Invention" from "World Invention Intellectual Property Associations"	16-19 April 2013
2	Bong Sik Hsiang	Dept of Mechanical & Manufacturing Engineering	i-ENVEX 2013 (International Engineering Invention and Innovation Exhibition 2013)	Silver	16-19 April 2013
3	Siti Noor Haizum Bt Semait	Dept of Mechanical & Manufacturing Engineering	i-ENVEX 2013 (International Engineering Invention and Innovation Exhibition 2013)	Bronze	16-19 April 2013
4	Ting Huong Hong	Dept of Mechanical & Manufacturing Engineering	i-ENVEX 2013 (International Engineering Invention and Innovation Exhibition 2013)	Bronze	16-19 April 2013
5	Curt Henning Bartholomew	Dept of Mechanical & Manufacturing Engineering	i-ENVEX 2013 (International Engineering Invention and Innovation Exhibition 2013)	Bronze	16-19 April 2013
6	Nur Syakina Jamali	Department of Chemical Engineering and Energy Sustainability	IEM Gold Medal Award 2012/2013	Best final year engineering student	20 April 2013
7	Andrea Anak Sow	Dept of Civil Engineering	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
8	Nabil Fikri Bin Othman	Dept of Civil Engineering	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
9	Noor Hamizah Bt Mohammed Ashaari	Dept of Electronic Engineering	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
10	Siti Noor Athierah Binti	Dept of Electronic	Anugerah Kecemerlangan Zecon	Anugerah Akademik	1 November

	Adan	Engineering	2013	Fakulti	2013
11	Daryl Kendawang Anak Vincent Martin Wong	Dept of Electronic Engineering	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
12	Mohd Hafizul Bin Masdar	Dept of Electronic Engineering	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
13	Norazlin Binti Ali Hossien	Dept of Mechanical & Manufacturing Engineering	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
14	Paul Berayang Sylvester Sali	Dept of Mechanical & Manufacturing Engineering	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
15	Deny Anak Nerei	Department of Chemical Engineering and Energy Sustainability	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
16	Watiqah Binti Chali	Department of Chemical Engineering and Energy Sustainability	Anugerah Kecemerlangan Zecon 2013	Anugerah Akademik Fakulti	1 November 2013
17	Mohd Iqmal Bin Mamat	Dept of Mechanical & Manufacturing Engineering	NACES 2013	3rd Place Technical Powerpoint Presentations	8-10 November 2013
18	Lennevey Kinidi	Department of Chemical Engineering and Energy Sustainability	NACES 2013	3rd Place Technical Powerpoint Presentations	8-10 November 2013
19	Nur Fazliana Binti Aziz	Department of Chemical Engineering and Energy Sustainability	NACES 2013	3rd Place Technical Powerpoint Presentations	8-10 November 2013





12 LIST OF ACADEMIC STAFF & QUALIFICATIONS

Name	Qualifications	Professional Membership
Professor Dr Wan Hashim Wan Ibrahim	PhD (Civil Engineering) (Purdue University) MSc (Civil Engineering) (Purdue University) BSc (Civil engineering) (Purdue University)	BEM : 26451A
Professor Ir. Dr Law Puong Ling	Post-Doctoral (United States Environmental Protection Agency, RTP, NC, USA) ScD (Environmental) (University of Massachusetts, USA) MSc (Environmental) (University of Massachusetts, USA) MSc (Civil) (University of Massachusetts, USA) BSc (Civil) (University of North Dakota, USA)	BEM : 12272 IEM : Civil 23070 - Corporate Member
Professor Dr F.J. Putuhena	PhD (Civil Engineering)(State University of New York at Buffalo, USA) MSc (Engineering Hydrology) (New Castle upon Tyne, UK) Ir. (Civil Engineering)(University of Indonesia, Jakarta)	
Professor Dr Ng Chee Khoon	Ph.D. (National University of Singapore) B.Eng. (Hons.) Civil (UTM)	
Professor Dr Shenbaga Rajaratnam Kaniraj Jeyachandran	Ph.D. (Geotechnical Engineering) (Indian Institute of Science, Bangalore) M.Eng (Soil Mechanics and Foundation Engineering) (Indian Institute of Science, Bangalore) M.Tech (Systems and Management) (Indian Institute of Technology, Delhi) B.Eng (Civil Engineering) (Madras University, India)	
Professor Dr Md Abdul Mannan	PhD (Civil Engineering) (Universiti Malaysia Sabah) MSc (Civil Engineering) (Universiti Kebangsaan Malaysia) BSc (Civil Engineering) (Rajshahi University, Bangladesh)	

Associate Professor Dr Mohammad Ibrahim Safawi Mohd Zain	PhD (Concrete) (Tohoku University, Japan) MEng (Fluid Mechanics) (Centerbury University) BEng (Hons) (Civil & Structural) (Sheffield University)	BEM : 22566
Associate Professor Dr Azhaili Baharun	PhD (Building Engineering – Energy Efficiency) (University of Leeds, UK) BSc (Hons) (Civil Engineering) (University of Hartford, USA)	BEM : 43605A
Associate Professor Dr.Nasser Rostam Afshar	PhD (Civil Engineering-Hydraulic Structure) (Roorkee University- India) M.Eng(Engineering Hydrology)(School of Hydrology , Roorkee University India) B.Tec(Agricultural Engineering)(P.A.U Ludhiana India)	
Associate Professor Dr Siti Noor Linda Taib	PhD (Geotechnical Engineering)(University of Manchester, United Kingdom) BSc (Civil Engineering) (Case Western Reserve University, Ohio, USA)	BEM : 49452A IEM : G28840
Dr Delsye Teo Ching Lee	PhD (Civil Engineering) (Universiti Malaysia Sabah) BEng (Civil and Construction) (Curtin University of Technology, Perth) DipEng (Civil Engineering) (Inti College Malaysia)	BEM : 38838A IEM : G23436
Dr Norazzlina M. Sa'don	PhD (Civil Engineering)(University of Auckland, New Zealand) MSc (Distinction) Civil Engineering, Cardiff University, Wales, UK. BEng (Honours) Civil Engineering, Universiti Malaysia Sarawak.	BEM : 33626
Dr Onni Suhaiza Selaman	PhD (Engineering Hydrology), UNIMAS. MEng (Engineering Management)(UTM) BEng (Hons)(Civil Engineering)(UTM) DipEng (Civil Engineering) (UTM)	BEM : 30057A
Dr Siti Halipah Ibrahim	PhD (University of Leeds, UK) M.Sc (Housing) (University of Science Malaysia, Penang) B.Sc.(HBP) (University of Science Malaysia, Penang)	

Dr Gaddafi Ismaili	PhD (Civil & Structural Engineering) (Universiti Sains Malaysia, Penang) MSc (Distinction) (Safety, Health & Environment Engineering) (Universiti Teknologi Malaysia, Kuala Lumpur) MSc (Structural Engineering) (Universiti Sains Malaysia, Penang) BEng (Hons) (Civil Engineering) (Universiti Malaysia Sarawak, Kota Samarahan) DipEng (Civil Engineering) (Universiti Teknologi MARA, Kota Samarahan) PreSci (Physics) (Institut Teknologi MARA, Semariang)	BEM : 54864A IEM : G34314
Dr Abdul Razak Abdul Karim	PhD (Civil Engineering)(University of Auckland, New Zealand) MSc Structural Engineering, Cardiff University, Wales, UK. BEng (Hons) Civil Engineering, Universiti Malaysia Sarawak.	BEM : 34227
Ir. Dr Ting Sim Nee	PhD (Curtin University) MEng (Engineering Management) (RMIT University, Melbourne) BEng (Hons) (Civil Engineering) (University of Melbourne) Victorian Certificate of Education (Wesley College, Melbourne)	BEM : 13892 IEM : 23438
Dr Mohamad Raduan Kabit	Ph.D (School of Civil Engineering, University of Queensland, Australia) MSc. In Transport Planning and Engineering (University of Southampton, U.K.) BEng (Hons)(Civil Engineering)(Universiti Malaysia Sarawak, Malaysia)	BEM : 55632A
Dr Fauzan Sahdi	PhD (Geotechnical Engineering) (The University of Western Australia) BEng (Civil Engineering) (UNIMAS)	BEM : 55127A
Dr Idawati Ismail	PhD (University of Melbourne) MEng (Civil and Structure) (UTM, Johor) BEng (Hons) (Civil Engineering) (UTM, Johor)	

Dr Darrien Mah Yau Seng	Post-Doc (USM) PhD (Water Resources Engineering) (UNIMAS) MEng (By Research) (Civil Engineering) (UNIMAS) BEng (Hons) (Civil Engineering) (UNIMAS) Diploma in Civil Engineering (Politeknik Ungku Omar, Ipoh)	BEM : 44507 R IEM : G 24079
Dr Leonard Lim Lik Pueh	PhD (Environmental Geotechnics) (Cantab) MEng (Civil - Environmental Management)(UTM) BEng (Civil - Environmental)(UTM)	BEM : 46408A IEM : 25755
Dr Raudhah Ahmadi	PhD (University of Sheffield, UK) MSc (Distinction) (Structural Engineering) (University of Sheffield, UK) BEng (Hons) (Civil Engineering) (UNIMAS)	
Charles Bong Hin Joo	Graduate Engineer (Civil), IEM, BEM. MEng (Civil-Hydraulics & Hydrology) (UTM). BEng (Hons) (Civil) (UNIMAS). Dip. (Civil) (Polytechnic Kuching).	
Nor Azalina Rosli	MSc. (Environmental Engineering) (USM) BEng (Hons) (Civil Engineering) (USM)	
Norsuzailina Mohamed Sutan	MSc (Structural Engineering and Construction)(UPM) BSc (Civil Engineering)(CSULB, USA)	BEM : 37011 A
Rohaida Affandi	MSc (Construction Management) (UTM) BSc (Construction Management) (UTM)	
Zamri Bujang	MSc (Highway and Transport Engineering) (University Putra Malaysia) Bachelor (Hons.) (Surveying Science and Geomatic) (Universiti Teknologi MARA)	
Abd Azim Abdullah	MEngSc (Structural Engineering) (University of New South Wales) BEng (Hons) (Civil Engineering) (UKM)	BEM : 51574A

Ahmad Kamal Abdul Aziz	MEng (Geotechnical Engineering)(University of Manchester) BEng (Hons)(Civil Engineering)(University Teknologi Mara)	
Azida Rashidi	MEng (Civil) (Uni of Canterbury) BEng (Hons) (Civil) (Salford University)	
Dygku Salma Awg Ismail	MSc. (Geotechnique)(UiTM, Shah Alam) BEng (Hons)(Civil Engineering)(UiTM, Shah Alam) Dip (Civil Engineering) (UiTM, Kota Samarahan)	BEM : 52619A
Rosmina Ahmad Bustami	MEng Civil Engineering (Hydraulics) (UNIMAS) BEng (Hons)(Civil Engineering)(UNIMAS)	BEM : 62077 R
Ron Aldrino Chan @ Ron Buking	MSc (Road Management and Engineering) (with merit) (University of Birmingham) BEng (Hons) (Civil) (UNIMAS) Diploma (Civil Engineering) (UTM)	IEM : G 29605
Professor Dr Amir Azam Khan	Palmes Academiques, TWAS Laureate 2001 PhD (Materials and Surface Engineering) (University of Limoges, France) Masters ((Materials and Surface Engineering) (University of Limoges, France) BEng (Metallurgical Engineering and Materials Science), (UET, Pakistan)	
Professor Dr Sinin bin Hamdan	PhD Materials Mechanics (Loughborough England) M Sc (Welding) (Brunel University of West London) BSc (Hons) (Physics) (UKM)	
Associate Professor Dr M. Shahidul Islam	PhD (Manufacturing Operations) (Dublin City University, Ireland) MEng (Industrial and Production Engineering) (Bangladesh University of Engineering & Technology) B.Sc (Mechanical Engineering) (Bangladesh University of Engineering & Technology)	

Associate Professor Dr Abu Saleh Ahmed	PhD (Energy) (Kyoto University, Kyoto) MEng (Mechanical) (UM, Kuala Lumpur) BScEng (Hons) (Mechanical) (BUET, Dhaka) Member of Institute of Engineers Bangladesh (MIEB)	
Dr Abdullah Yassin	BEng (Hons) (Mechanical engineering and Materials) (UKM) MSc (Computer Integrated Manufacturing) (Loughborough University) Dr. Eng (Marchhining) (Kanazawa University)	BEM : 70682A
Dr Mohd Danial Ibrahim	Dr. Eng (Science & Technology) (Tokai University, Japan) MEng (Mechanical Engineering) (Tokai University, Japan) BEng (Hons) (Mechanical Engineering) (Tokai University, Japan) Grad IEM	BEM : GE52109A
Dr Magdalene Andrew Munot	PhD (Remanufacturing) (Monash University, Australia) MSc (Manufacturing System Engineering) (UPM) BEng (Hons) (Chemical & Bio Process Engineering) (Bath University, UK)	BEM : GE42852
Dr Syed Tarmizi Syed Shazali	MSc (Eng) (Advanced Manufacturing Systems) (Liverpool) BEng (Hons) (Mechanical) (UiTM) Diploma in Mechanical Eng (UTM)	BEM : GE29445A
Dr Shahrol Mohamaddan	PhD in Ergonomics (Loughborough University, UK) MEng (Mechanical Engineering)(Shibaura Institute of Technology, Japan) BEng (Mechanical Engineering)(Shibaura Institute of Technology, Japan)	
Dr Nicholas Kuan Hoo Tien	PhD (Engineering) (The University of Liverpool, UK) MSc (Advanced Engineering Materials) (The University of Liverpool, UK) BEng (Hons)(Materials Engineering) (Universiti Sains Malaysia)	BEM : GE49529 R IEM : G 27506

Marini Sawawi	MEng (Mechanical Engineering) (UTM) BEng (Mechanical Engineering & Manufacturing Systems)(UNIMAS)	
Ervina Junaidi	MSc (Mechanical Engineering)(University of Leeds, UK) BEng (Hons)(Mechanical and Manufacturing Systems Engineering)(UNIMAS) Dip. (Mechanical Engineering) (UTM)	BEM : 43045A
Siti Nor Ain Musa	MEng (Mechanical System Engineering)(Gunma University, Japan) BEng (Mechanical System Engineering)(Gunma University, Japan)	BEM : 52808A IEM : G34860
Annisa Jamali	Msc. In Mechatronics Engineering (International Islamic University Malaysia) BEng. (Hons) in Mechatronics Engineering (International Islamic University Malaysia)	BEM : 63088A
Mohd Azrin Mohd Said	MSc in Manufacturing System Engineering (Universiti Putra Malaysia, UPM) B.Eng (Hons) in Mechanical and Manufacturing Engineering (UNIMAS)	BEM : 65600A
Mohd Fareez Edzuan Abdullah	Master of Engineering (Mechanical), Meiji University 2010-2012, Japan Bachelor of Engineering (Mechanical Informatics), Meiji University 2008-2010, Japan Diploma of Mechanical Engineering in Technical Japanese, Universiti Industri Selangor 2005-2008, Malaysia	BEM : 80282A
Ahmad Adzlan Fadzli Khairi	MEng (Mechanical) (Ritsumeikan University, Japan) BEng (Mechanical) (Ritsumeikan University, Japan)	BEM : JS85047 - no pendaftaran sementara
Noor Aliah Abdul Majid	BEng (Mechanical) (Meiji University, Japan) MEng (Mechanical) (Meiji University, Japan)	
Mohd Syahmi Jamaludin	M.Eng (Mechanical System)(University of Takushoku, Japan) B.Eng (Mechanical System)(University of Takushoku, Japan)	BEM : 81239 A

Muhamad Fadzli Ashari	M.Eng (Meiji University, Japan) B.Eng (Meiji University, Japan) ,	BEM : 79977A
Rasli Muslimen	MSc. (Manufacturing)(Conventry,UK) BEng (Hons)(Mechanical Engineering - Aeronautic)(UTM, Skudai)	
Ana Sakura Zainal Abidin	MSc. (Automotive Engineering)(Conventry, UK) BEng (Mechanical Engineering)(UTM, Skudai)	BEM : 55216R
Hishammudin Afifi Huspi	Bachelor of Engineering (Mechanical), UTM Master of Engineering (Mechanical), UTM	BEM : 66272A
Abg Mohd Aizuddin bin Abg Mohd Mohtar	MEng (Acoustical Engineering)(Univeristy of Southampton)	
Professor Datuk Dr Khairuddin b. Ab. Hamid	PhD (Electronic Systems Engineering) (University of Essex, United Kingdom) MSc (Electrical Engineering) (University of Hawaii, USA) BEng (Hons.)(Electrical Engineering) (UTM)	
Associate Professor Dr Al-Khalid Hj Othman	PhD (Digital Signal Processing - Underwater Acoustic Networks) (University of Newcastle, UK) MSc (Information Technology- Digital)(Nottingham University) BEng (Hons)(Electrical and Electronic Engineering)(Nottingham Trent University)	BEM : 31422A
Associate Professor Dr Wan Azlan Wan Zainal Abidin	PhD (Computer Science & Communication) (Kyushu Universitiy, Japan) MEng (Telecommunication)(University of Technology Sydney, Australia) BEng (Hons)(Electronics and Communication)(University of Bristol, UK)	BEM : 66682A
Dr Thelaha Masri	PhD (Electrical Engineering) (UTM) MEng (Electronics & Telecommunication) (UNIMAS) BEng (Hons) (Electronics & Telecommunication) (UNIMAS) Dip. (Electrical Engineering) (UiTM)	

Dr Hushairi Zen	PhD in Engineering (Australia) MEng (Electronic and Telecommunication) (UNIMAS) BEng (Hons) (Electronic and Telecommunication) UNIMAS	
Dr Kismet Hong Ping	PhD (Systems Science) (Nagasaki University, Japan) MSc (Digital Communication Systems) (Loughborough University, UK) BEng (Hons) (Electronics and Telecommunication Engineering) UNIMAS	BEM : 37017A
Dr Lakshmanan a/l Gurusamy	PhD (Universiti Kebangsaan Malaysia) MSc (Universiti Kebangsaan Malaysia) Engineering Council Part II (Engineering Council, UK)	BEM : 33039R
Dr Rohana Sapawi	PhD (Kyushu University, Japan) MSc (Microelectronics) (UKM) BEng (Hons) (Electrical and Electronics) (UPM)	
Mohd Faizrizwan Mohd Sabri	MEng (Electronic)(La Trobe, AUS) BEng (Electric & Electronic)(Nagasaki, JPN)	BEM : 71933A
Ng Liang Yew	MSc (Electrical Engineering) BSc (Electrical Engineering)	BEM : 37018A
Sharifah Masniah Wan Masra	MSc (Electronic)(Cardiff, UK) BEng (Hons)(Telecommunication)(UM)	BEM : 37014R
Ir. David Bong Boon Liang	MSc (Computer Control & Automation)(NTU, Singapore) BEng (1st Class Hons)(Electrical Engineering)(UTM)	BEM : 13195 IEM : 17676
Sakena Abdul Jabar	MPhil (Optical Communication Engineering) (University of Hertfordshire, Hatfield, UK) M.Sc (Optoelectronic Systems), MMU, Manchester, UK B.Sc Hons (Industrial Physics), UTM, Skudai, Johor Diploma In Science, UITM, Shah Alam	

Martin Anyi	MEng (Computer and Telecommunication)(UKM) BEng (Hons)(Electronics and Telecommunication)(UNIMAS)	
Dr Ngu Sze Song	PhD (University of Glasgow, UK) MEng (Electrical Engineering)(University of Adelaide, South Australia) BEng (Hons)(Electronics Engineering)(Multimedia University, Cyberjaya)	
Dyg Nur Salmi Dharmiza Awg Salleh	MEng (Electronics and Applied Physics) Tokyo Institute of Technology BEng (VLSI System Design) Ritsumeikan University	
Norhuzaimin Julai	MSc (Advanced Electronic Engineering) (Warwick, UK) BEng (Hons)(Electrical and Computer Engineering) (Ohio State University)	
Hazmi Hijazi Abdul Halim	M.Eng (Electrical and Electronic System)(Tokai University, Japan) B.Eng (Electrical and Electronic Engineering) (Tokai University, Japan)	
Abdul Hafiz Abdul Karim	MEng (Electrical Electronic System Engineering) (Tokai University, Japan) BEng(Electrical Electronic Engineering) (Tokai University, Japan)	BEM : 79808A
Azfar Satari Abdullah	BEng(Electronics & Telecommunication Engineering) (UNIMAS)	
Associate Professor Dr Mohd Saufee Muhammad	DEng (DNA Computing) (Mayji University, Japan) MSc (Electrical) (Western Michigan University, US) BEng (Hons) (Electronic Computer System) (Salford University, UK) Diploma (Electrical Engineering - Power) (UTM, Malaysia)	BEM : 37012A

Dr Tay Kai Meng	PhD in Electrical and Electronic Engineering, USM, Malaysia Master of Science in Electrical and Electronic Engineering, USM, Malaysia Bachelor of Engineering (Hons) in Electrical and Electronic, University of Hertfordshire, UK	
Dr Nordiana Rajae	PhD (DNA Computing) (Mayji University, Japan) MSc (Microelectronics) (University of Newcastle Upon Tyne) BSc (Hons) Electronics and Information Engineering (Kyushu Institute of Technology)	BEM : 37013
Dr Siti Kudnie Sahari	MSc (Microelectronics)(Universiti Kebangsaan Malaysia) BEng (Hons)(Electronics and Telecommunication Engineering)(UNIMAS)	BEM : GE50652A
Dr Shafrida Sahrani	DEng (Computer Science) (Tokyo University of Technology, Japan) M.Eng (Computer Sciences - Mobile Networks)(Tokyo University of Technology, Japan) B.Eng (Information Networks)(Tokyo University of Technology, Japan)	
Maimun Huja Husin	MEng (Electric - Mechatronics & Automatic Control) (UTM) BEng(Electronics & Telecommunication Engineering) (UNIMAS)	BEM : 57646A
Asrani Lit	MEng (Electrical - Microelectronics & Computer System) (UTM) BEng (Hons) (Computer Engineering) (UTM)	BEM : 0816A
Shamsiah Suhaili	MSc. (Electrical & Electronic Engineering)(USM) BEng. (Hons)(Electrical& Electronic Engineering)(USM)	
Associate Professor Dr Mohammad Omar Abdullah @ Mak Khoon Ling	PhD (Mechanical & Manufacturing Eng.) (UH) (United Kingdom) M.Eng. (Petroleum Engineering) (UTM) B.Eng. (Hons) (Petroleum & Natural Gas Engineering) (UTM)	BEM : 75176A

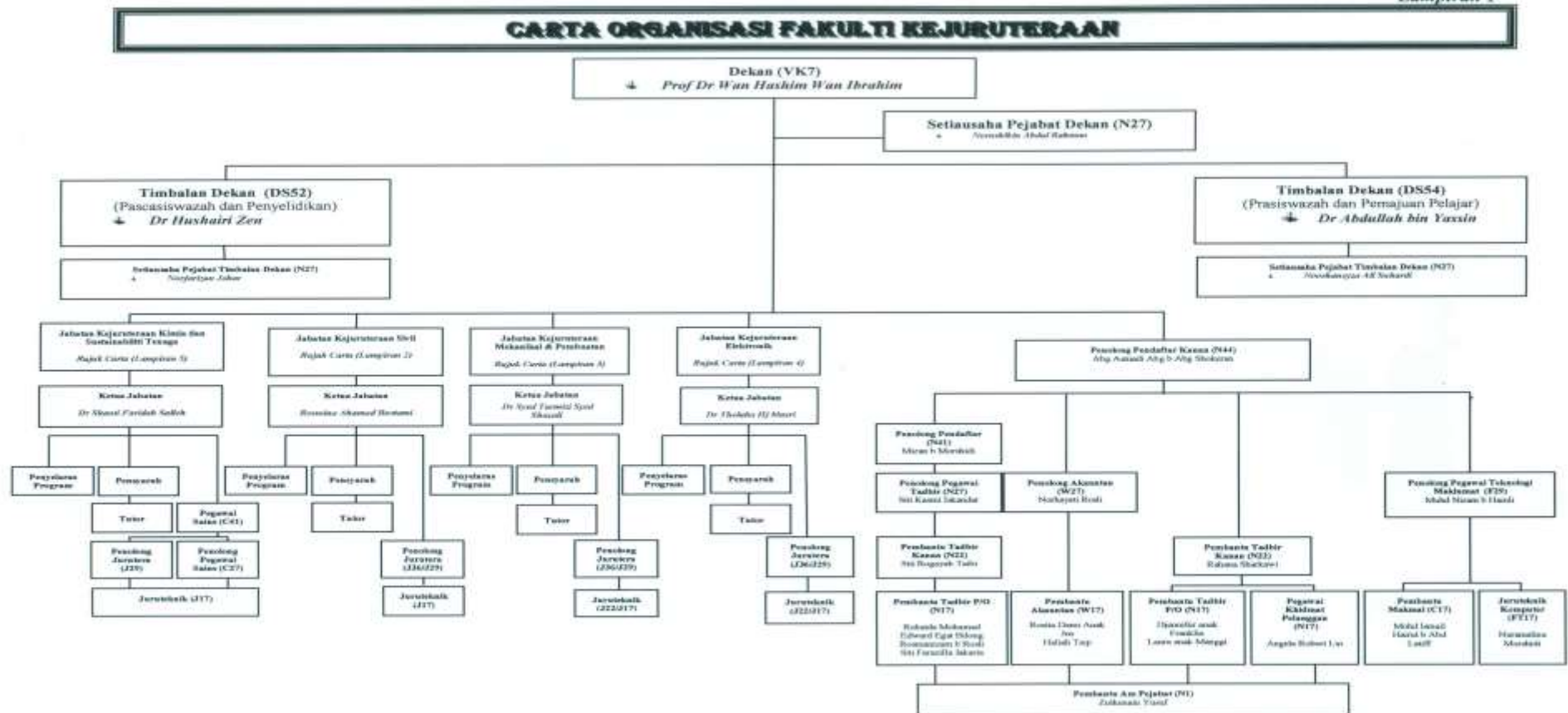
Associate Professor Dr Khairuddin Sanaullah	PhD (Chemical Engineering) (University of Birmingham, UK) MSc (Nuclear Engineering) (Quaid-e-Azam University, Islamabad Pakistan) B.Eng (Chemical Engineering) (N.E.D University Karachi, Pakistan)	
Dr Rubiyah Baini	PhD (Chemical Engineering - Drying Technology)(Aus) MSc. (Eng) (Process Safety and Loss Prevention)(UK) BEng (Chemical and Process Engineering)(UKM, Bangi)	BEM : 37019
Dr. Ivy Tan Ai Wei	PhD (Chemical Engineering) (USM) BEng (1st Class Honours) (Chemical Engineering) (UTM)	BEM : 60933A
Dr Shanti Faridah Salleh	PhD (Chemical Engineering)UPM MSc (Advanced Process Eng) Loughborough Uni. BEng (Hons) (Chemical Engineering) Loughborough University	BEM : 43044A
Dr Lim Soh Fong	PhD (Chemical Engineering) (National University of Singapore) BEng (1st Class Honours) (Chemical Engineering) (UTM)	BEM : 60360R
Dr Md Rezaur Rahman	PhD Polymer Engineering (University Malaysia Sarawak) M.Phil Polymer Engineering (BUET) M Sc (Advance Polymer Technology) (CU) BSc (Hons) (Chemistry) (CU)	
Nazeri Abdul Rahman	MSc. (Thermal Power and Fluid Engineering)(UMIST,UK) BEng (High Hons) (Petroleum and Natural Gas Engineering) (New Mexico Tech, USA) Cert. (Practical Petroleum Engineering) (Eastern New Mexico, USA) Cert. (Lifelong Learning - Foreign Languages) (Sunderland, UK)	BEM : 37095A

Mohd Farid bin Atan	M.Eng (Diplôme d'Ingénieur) (Chemistry and Process Engineering) (Ecole Supérieure de Chimie Physique et Electronique de Lyon, ESCPE Lyon, FRANCE) B.Eng (Hons) (Chemistry and Process Engineering) (Ecole Supérieure de Chimie Physique et Electronique de Lyon, ESCPE Lyon, FRANCE)	BEM : GE74164A
Nur Syuhada binti Ahmad Zauzi	MSc (Polymer Engineering) (Universiti Sains Malaysia, USM, Malaysia) BEng (Polymer Engineering) (Universiti Sains Malaysia, USM, Malaysia)	BEM : 78776A
Ibrahim bin Yakub	M.Eng (Chemical) (Universiti Kebangsaan Malaysia) BEng (Chemical Engineering) (UPM)	BEM : 62509A
Mohamed Afizal bin Mohamed Amin	MEng (Bioprocess) (Universiti Teknologi Malaysia, UTM) BEng (Chemical) (Universiti Malaysia Pahang, UMP)	BEM : GE-81899-A
Khairul Anwar bin Mohd Said	BEng (Chemical Engineering) (UMP) MEng (Bioprocess) (Universiti Teknologi Malaysia, Malaysia)	

13 ORGANIZATION CHART

13.1 FACULTY OF ENGINEERING

Lampiran 1



13.2 DEPARTMENT OF CIVIL ENGINEERING

Lampiran 2



2/5

Dikemaskini pd: 16 Januari 2014

13.3 DEPARTMENT OF ELECTRONIC ENGINEERING

Lampiran 4



4/5

Dikemaskini pd : 16 Januari 2014

13.4 DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

Lampiran 3



3/5

D:\mywork\lnd.pdf : 10 Januari 2014

13.5 DEPARTMENT OF CHEMICAL AND ENERGY SUSTAINABILITY ENGINEERING

Lampiran 5



3/3

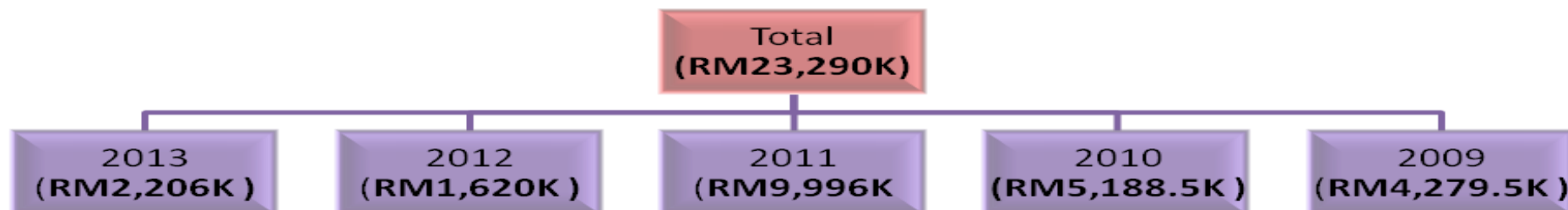
Dikemaskini pd : 22 Januari 2014

13.6 ACADEMIC MANAGEMENT COMMITTEE

GARTA ORGANISASI JAWATANKUASA UNIT PENGURUSAN AKADEMIK, FAKULTI KEJURUTERAAN



14 FINANCIAL REPORT



Kod Akaun	Butiran	Budget Amaun 2014 (Diluluskan) RM
21101	Perjalanan Dalam Negeri - Pengajaran & Pentadbiran	85,000.00
21103	Perjalanan Dalam Negeri - Latihan Industri	14,000.00
24501	Sewa Peralatan	11,000.00
26799	Bahan Kimia	150,000.00
27101	Suratkhabar & Majalah	4,000.00
27102	Alatulis & Lain-lain Bekalan Pejabat	65,000.00
27798	Bekalan Bahan Penyelidikan dan Pengajaran (Inventori)	350,000.00
27799	Bekalan Bahan Penyelidikan dan Pengajaran (Pakai Habis)	650,000.00
28901	Alat Pengajaran (Penyelenggaraan)	380,000.00
29302	Syarahannya Sambilan	75,000.00
29411	Keraian Pejabat	18,100.00
29415	Cenderahati	2,000.00
	Jumlah (RM)	1,804,100.00

2013 MAJOR OUTCOMES AND QUICK WINS 2013-2014

No	Major Output 2013
1	BEng (Hons) Chemical Engineering received accreditation award from Board of Engineers Malaysia (BEM) for 2 years (2013-2015)
2	Memorandum of Agreement between UNIMAS and Limoges University, France
3	Memorandum of Agreement between UNIMAS and Dermaga Builders Sdn Bhd
4	Successfully conducted ENCON 2013 (Flagship Engineering conference)
5	Increased number of Student activities at UNIMAS and national level (award)
6	
7	
8	
9	

2013 NEWS PAPER CUTTING



Unimas wins in two categories at symposium. 8 January 2013, The Borneo Post



Unimas engineering undergrads win five medals, one award. 27 April 2013, The Borneo Post



RESEARCH COLLABORATION: Manyin (second left) witnesses the exchange of MoA between Unimas, represented by Mohamad Kadim (left), and Lalle representing University of Limoges. Also seen is Peter Ungles. The signing ceremony took place during ENCon 2013. — Bernama photo.

Unimas and French university collaborate on PhD programme

KUCHING: Universiti Malaysia Sarawak (Unimas) signed a memorandum of agreement (MoA) on a joint PhD programme with University of Limoges, France yesterday.

The collaboration will see Unimas Engineering PhD candidate Dayang Salyani Abang Mahmud take up research on low temperature and high conductivity ceramic ionic conductors for solid oxide fuel cells under joint supervision of Limoges University's Prof Dr Jean Claude Lalle and Dr Nicolas Claudet, and Unimas Prof Dr Amir Azam Khan and Dr Magdalene Andrew Miodot.

The MoA follows a general memorandum of understanding (MoU) signed on Jan 17, 2008 by French Member-HEI's (Higher Education Institutions), Unimas and 10 other Malaysian universities.

The MoA defines the main activities and precise topic of research outlined under the previous MoU.

The MoA between Unimas and University of Limoges was signed by Unimas vice-chancellor Prof Dato Dr Mohamad Kadim Bahari and Lalle. Second signatories were the university's Faculty of Engineering dean, Prof Dr Wan Hashim Wan Ibrahim and Ungles.

The signing took place after the opening of the Sixth International Engineering Conference (EnCon 2013) at Hilton Hotel. It was

organised by Unimas' Faculty of Engineering.

Infrastructure Development and Communication Minister Dato Sri Michael Manyin Jawong witnessed the signing. Also present was Unimas deputy vice-chancellor Prof Dr Peter Songan.

"The University of Limoges has been declared a fishpole (technology pole) in the fields of Micro Electronics, Advanced Materials and Water Resource Science by the French government.

"The university's Laboratory of Ceramic Processing Science and Surface Treatment is a specialised research laboratory in Ceramics and Surface Engineering. More than 250 scientists and researchers are linked to this laboratory, a scientific hub in Europe. The laboratory is also conducting research on materials for renewable energy," Mohamad Kadim said.

Unimas also signed an MoA with Dermagn Builders Sdn Bhd to transfer industry and society the product of research in clean water from green technology.

This collaboration binds the two organisations to a venture in manufacturing water treatment machinery for industrial and domestic applications, explore potential engineering consultancy project in these areas by bringing together research skills and business experience,

along with future development in water treatment technology and machinery.

The MoA between Unimas and Dermagn Builders was signed by Mohamad Kadim and the company's executive chairman Dato Che Mat Wanik. Second signatories were Wan Hashim and Dermagn Builders' managing director Mohd Hafes Che Mat.

Unimas also signed an MoU with Universiti Tenaga Nasional (Uniten). Unimas was represented by Mohamad Kadim and Unites by its vice-chancellor Dato Seri Prof Muzakir Yusoff.

Second signatories were directors of the Centre of Excellence for both universities namely Unimas director of Centre of Excellence for Renewable Energy (CoERE), Assoc Prof Dr Asha'li Baharum and Unites director of Centre of Renewable Energy (CRE), Prof Dr Abdul Halim Shamsuddin.

"The signing of this MoU will enable both universities to plan cooperation in renewable energy, promoting cooperation in areas such as research collaboration in biomass, Bio-Fuel and Solar Thermal Power Generation," said Mohamad Kadim.

Other collaborations included joint facilitation and supervision of post-graduate studies, exchange of academic staff, joint research, teaching activities and student exchange programmes.

Mini-HEP the way to power up remote areas, says Manyin

By Geryl Oglivry Ruckaith
reporters@theborneopost.com

KUCHING: Researchers and engineers are urged to come up with a solid proposal to build mini-hydroelectric projects to provide energy for the rural population that are cut off from the electricity grid.

Also extending the challenge to the academic fraternity and higher learning institutions, Infrastructure Development and Communication Minister Dato Sri Michael Manyin Jawong said mini-hydroelectric dams would benefit longhouses in the interiors until such a time when the government could build roads for them and connect them to the power grid.

"We have vast rural areas. Considering the likes of Baram and such, to connect the electricity grid is very costly. Due to the non-existence of road infrastructure, we just cannot simply connect these areas to the grid.

"While waiting for the road to come in, the mini-hydro projects would enable the interior population to enjoy electricity," Manyin told reporters after officiating at the Sixth International Engineering

We have vast rural areas. Considering the likes of Baram and such, to connect the electricity grid is very costly. Due to the non-existence of road infrastructure, we just cannot simply connect these areas to the grid.

Dato Sri Michael Manyin Jawong, Infrastructure Development and Communication Minister

Conference (EnCon 2013) organised by the Faculty of Engineering of Universiti Malaysia Sarawak (Unimas) at Hilton Hotel here yesterday.

Also present were Unimas vice-chancellor Prof Dato Dr Mohamad Kadim Suhaidi, deputy vice-chancellor Prof Dr Peter Songan, Faculty of Engineering dean Prof Dr Wan Hashim Wan Ibrahim and Assoc Prof Dr Andrew Ragai Henry Rigit who is EnCon 2013 local organising committee chairman.

The Tebedu assemblyman pointed out that to build roads and connect a longhouse to another in the interiors could cost up to RM100 million, considering the state's geographical terrain and scattered population.

He cited Australia as a country which has successfully introduced mini-hydro projects for its rural population.

In his speech earlier, Manyin

said about 23 per cent of the state's population, including more than 700 longhouses and villages, have yet to be connected with roads.

"Some of these interior areas might not have road access within the next 10 years. People in places like Bario, Ba Kelalan, Baram might not be able to see the electricity grid within the next decade. In this sense, we are calling for experts and engineers to produce proposals for the implementation of mini-hydroelectric projects to benefit those outside the power grid."

Manyin also highlighted the need to close the digital gap between the rural and urban population.

Anticipating that illiteracy might increase in rural communities without access to internet and electricity, he feared the matter would become a political issue if the communities continued to be left behind.

Unimas and French university collaborate on PhD programme. 3 July 2013, The Borneo Post

Mini-HEP the way to power up remote areas, says Manyin. 3 July 2013, The Borneo Post

Foreign NGOs, press taken to task

(THE BORNEO POST, 3/7/2013, Pg 1)

Armchair reporters out on a witch hunt to smear Sarawak's good name, says minister

By Geryl Ogilvy Ruekeith
reporters@theborneopost.com

KUCHING: Foreign NGOs and media organisations critical of the state's alleged poor handling of its forest resource should come to Sarawak to experience the rainforest first-hand, before continuing to harp on the issue.

Infrastructure Development and Communications Minister Dato Sri Michael Manyin said unscrupulous individuals often criticised the state for destroying its environment and forests based on reports by armchair reporters out on a witch hunt to smear the good name of Sarawak.

He said foreign NGOs and media organisations often published baseless articles, claiming that the state was destroying its natural forest and habitats for the animals and the indigenous people in favour of mega development projects such as hydro-electric dams.

Manyin said the state adhered strictly to the environmental impact assessment (EIA) and social impact assessment reports which must be carried out before the implementation of any (mega) projects.

"If you travel by land or fly across Sarawak, you will see the vast area of rainforests. All these allegations about destroying animal habitats

Go have a look at our environment, forest rehabilitation, ecotourism destinations and tell the whole world about it.

Dato Sri Michael Manyin, Infrastructure Development and Communications Minister

are not true. In fact, Sarawak has a proper and sustainable forest management in place. It is also vigorously promoting its ecotourism to the world. Our tourism products include the Mulu Cave, which is recognised as a Unesco heritage site.

"Go have a look at our environment, forest rehabilitation, eco-tourism destinations and tell the whole world about it," the Tebedu assemblyman said when officiating at the opening of the Sixth International Engineering Conference (EnCon 2013) organised by Unimas' Faculty of

See also Page 9

Engineering here yesterday.

Also present were Unimas vice-chancellor Prof Dato Dr Mohamad Kadim Suhaidi, deputy vice-chancellor Prof Dr Peter Songan, Faculty of Engineering dean Prof Dr Wan Hashim Wan Ibrahim and Assoc Prof Dr Andrew Ragal Henry Right who is EnCon 2013 local organising committee chairman.

Manyin said the theme

of the conference 'Energy and Environment' was most appropriate to reflect the awareness issue considering that the region was currently choked by haze due to the 'slash-and-burn' technique of clearing farmland.

"We need to find a long term solution to these headaches and inconveniences," he said, adding that the subject of sustainable development had been of great concern in recent years and the emphasis on all things 'green' had increased dramatically.

He said renewable energy was attracting worldwide attention as individual countries continued with their respective agenda towards ensuring energy security, containing rising energy cost and preparing for a low carbon economy.

With hydropower dominating the renewable energy resources in the state, Manyin said discussion on renewable energy development must take into consideration its hydropower agenda.

In this regards, Sarawak Corridor of Renewable Energy (SCORE) served as the main thrust to propel the state to a developed



SEE FOR YOURSELF: Manyin (left) arrives to officiate at the opening of the conference, accompanied by Mohamad Kadim and Peter (right). — Photo by Kong Jun Liang

state status by 2020.

"Besides the general financial incentives, competitively-priced electricity provides a unique

ingredient to attract multi-nationals to set up manufacturing facilities on our shore. To date, numerous agreements and term

sheets are committed to take up the electrical power from Bakun and Murum hydropower projects.

"Sarawak Energy is entrusted with the responsibility to continue negotiating with interested parties as it seeks to develop the remaining capacity in a sustainable manner encompassing four aspects of financial, technical, environmental and social."

Manyin added that four more hydropower dams had been earmarked for construction - to vastly reduce carbon emission.

Earlier, Mohamad Kadim said EnCon 2013 was organised in collaboration with Institution of Engineers Malaysia (Sarawak branch), Pakistan's Quaid-e-Awam University of Engineering, Science and Technology (Quest) and Unimas Centre of Excellence for Renewable Energy (CoERE).

A pre-conference workshop was held on Monday while yesterday and today will see the presentation of the scientific programme consisting of six keynote lectures and more than 100 papers from 10 countries in 18 oral presentation sessions.

These papers covers a wide range of topics including green technology, smart materials for energy efficiency and environment.

The conference will conclude with a technical forum on Energy and Environment tomorrow.

Foreign NGOs. Press taken to task. 3 July 2013, The Borneo Post

Come up with mini hydro proposals, researchers, engineers urged

KUCHING: Researchers, academicians, engineers attending the 4th International Engineering Conference (InCon 2013) organised by Universiti Malaysia Sarawak (UNIMAS) here have been challenged to come up with solid proposal on constructing mini hydroelectric plants for the people in rural areas like Baram and Belaga.

Minister of Infrastructure Development and Communications Datu Sri Michael Manyan Jasing said the state had vast rural areas, especially in Baram, and the rural areas were not easy to be supplied with electricity.

"To connect the grid to all the small longhouses and villages in rural areas could be very costly as these places are hard to reach as there are no roads. So while waiting for roads to be built, I would like to suggest that the researchers and academicians come up with proposals on how to build mini hydroelectric plants so that the rural community can benefit from the electricity generated," Manyan told reporters after officiating at the 4th International Engineering Conference (InCon 2013) at Hilton Kuching here, on Tuesday.

According to Manyan, mini hydroelectric plants like some built in Australia have been successful.

"So I would like the academicians, the universities to really come up with solid proposals that will benefit rural areas, especially Baram," he said.

Manyan said it was difficult and costly to build roads to connect one area with another as the rural areas were so far apart.

"It is not that we don't want to build, but because the money is not there yet," he said.



UNIMAS Vice-Chancellor Prof Dato' Dr Mohamad Kadirin Saad (2nd) with presenting a souvenir to Datu Sri Michael Manyan Jasing, while UNIMAS Engineering Faculty Dean Prof. Dr Wan Hashim Wan Ibrahim (left) and Associate Prof. Dr. Andrew Rajagokan (right) look on. PHOTO: KAMARUZZAMAN

He reiterated that mini hydroelectric plants would definitely be cost effective because each plant would be localised.

Earlier in his speech, Manyan said sustainable development was defined as development that would meet the needs of the present without compromising the ability of future generation to meet their own needs.

He said sustainable development embodied socio-economic wellbeing in reducing poverty, respecting human rights and long-term economic viability, and environmental health in pursuing sustainable patterns of production and consumption, protecting natural resources and responsible environmental management.

"This call for synergies and trade-offs to be made amongst economic, social and environmental values, to be achieved in a transparent and accountable manner. From the provision of energy to support our activities,

renewable energy resources if developed and managed sustainably, can bring about wide-ranging benefits while providing the community with an avenue to correct unsustainable practices," he said.

UNIMAS Vice-Chancellor Prof Dato' Dr Mohamad Kadirin Saad, in his speech, said the subject of sustainable development had been of great concern in recent years and the green emphasis had increased dramatically.

He said the theme for this year's conference "Energy and Environment" was appropriate as it reflected the urgency of this very important issue.

He said InCon 2013 offered six keynote lectures and more than 100 papers from 10 countries were presented in 18 sessions.

"These papers covered a wide range of topics, including green technology, smart materials for energy efficiency and environment," said Dr Mohamad Kadirin.

Come up with mini hydro proposals, researchers, engineers urged. 4 July 2013, New Sarawak Tribune