

## RESEARCH ACTIVITIES 2016

[illegible]

# DR MOHAMMAD NUZAIHAN TERBAIK

**DR Mohammad**  
Nuzaihan Md Nor dari  
Institut Kejuruteraan  
Nano Elektronik (INEE)  
Universiti Malaysia Perlis  
(UniMAP) muncul Johan  
Pertandingan Projek  
Penyelidikan Inovasi  
Nanoteknologi (PIN)  
Peringkat Kebangsaan  
2016 di Technology Park  
Malaysia, Bukit Jalil,  
Kuala Lumpur, baru-baru  
ini.

Tesis beliau bertajuk  
Pembangunan  
Biopenderia Wayar-Nano  
Silikon Novel untuk  
Pengesanan DNA Virus  
Denggi berjaya menambat  
hati juri, sekali gus  
membawa pulang wang  
tunal RM1,500, trofi dan  
sijil.

PIN dianjurkan  
sempena Program  
Nano Kebangsaan

2016 (NanoKEB 2016)  
bagi memberi peluang  
kepada pelajar peringkat  
sarjana dan doktor  
falsafah menghasilkan  
penyelidikan kreatif dan  
inovatif bagi mencari  
penyelesaian terhadap  
masalah seperti tenaga dan  
alam sekitar, penjagaan  
kesihatan dan perubahan  
pertanian dan makanan  
serta elektronik  
dan sistem.

Foto: Mycom-UMAP



**DR Mohammad Nuzaihan (tengah) bersama pemenang lain.**

## Unimap cipta produk *hybrid wireless*, menang emas di Seoul

**KANGAR 27 Dis.** - Produk *Hybrid Wireless Fiber FCC OC24m* yang membolehkan kemudahan internet diakses bukan sahaja dalam kadar berkelajuan tinggi tetapi juga yang rendah memperoleh pingat emas pada Pameran Rangkaian Cipta Antarabangsa (CSIF) 2016 yang berlangsung di COEX Seoul, Korea Selatan, baru-baru ini.

Rangkaian produk oleh penyelidik Universiti Malaysia Perlis (Unimap) iaitu Dr. Mohd. Rashidi Che Beson bersama dengan Prof. Dr. Syed Al-We Al-Jundi, Syed Jamil dan Prof. Madya Ir. Dr. Anuar Mat Saifur telah berjaya meraih perhatian jurijuri antarabangsa dengan produk *hybrid wireless* dan fiber optik itu berpotensi untuk meningkatkan rangkaian yang dinamik merangkumi kelajuan tinggi yang mesra alam sekitar.

Sistem produk ini menawarkan komunikasi yang pantas dan selamat nyediaan jalur lebar yang pantas untuk pelbagai aplikasi penting seperti *FTTH-to-the-Home* (FTTH) di kawasan luar bandar, kereta api berkelajuan tinggi, *Internet of Things* (IoT) serta untuk kegunaan industri minyak dan gas, ujar beliau dalam satu kenyataan di sini.

SIF merupakan pameran ciptaan terbesar di dunia bagi pencipta dan penyelidik mem-

The Awards Ceremony of Seoul International Invention Fair 2016

DR. MOHD RASHIDI CHE BESON (empat dari kiri) bersama penyelidik Unimap dan yang memenangi pingat dalam SIF 2016 di Seoul, Korea Selatan, baru-baru ini.

pameran idea-idea baharu dan produk mereka kepada pengeluar, pelabur, penguat, syarikat pesenan dan orang awam.

Ia dianjurkan oleh Pejabat Harta Intelektual Korea (KIPO) dan disokong oleh pertubuhan antarabangsa oleh Pertubuhan Harta Intelektual Dunia (WIPO) dan Persekutuan

Antarabangsa Persatuan-persatuan Paten (AIPA).

Pameran selama empat hari itu juga menyaksikan penyelidik Unimap membawa pulang empat pingat emas, empat pingat perak dan empat pingat gangsa daripada lebih 639 produk yang mengambil bahagian daripada lebih 31 buah negara.

Tiga lagi produk yang menyumbangkan pingat emas adalah *Sub-Based Sensor For E-Cell Detection* hasil penyelidik Prof. Dr. Uda Hashim dan Dr. Mohammad Nazulian Md Nor; *Photovoltaic Powered Uninterrupted Power Supply* (UPS) kekan Prof. Madya Dr. Muzamir Isah dan *Uni-Res-A Novel Resonant Acoustic Sensor* yang merupakan hasil penyelidikan Dr. S. Raguhanthan.

Di samping itu, dua lagi produk penyelidikan hasil rekahan Dr. Midhat Nabil Ahmad Salimi dan Dr. S. Raguhanthan menerima anugerahan sebagai *Topical International Research Council of Thailand and Institute of Applied Computer Science, Poland*.

### Malaysia Technology Expo (MTE) PWTC (18<sup>th</sup> -20<sup>th</sup> Feb 2016)



Prof Dr Uda Hashim, Ir Dr Mohd Khairuddin and Dr Ruslinda seen here with the former vice chancellor of UniMAP, Prof Emeritus Datuk Dr Kamaruddin Hussin at the exhibition.

### Biopartnering Exhibition, Bukit Minyak Penang (23<sup>rd</sup> May 2016)



Prof Dr Uda Hashim and team representing INEE to the exhibition attended by the Ministers and Bionexus division.

**ICOMEIA 2016 (10<sup>th</sup> -12<sup>th</sup> Aug 2016)**



The 2<sup>nd</sup> International Conference on Mathematics, Engineering and Industrial Applications 2016 (ICoMEIA2016) at BP Samila Beach Hotel & Resort, Songkhla Thailand.

**Telemedicine Conference (16<sup>th</sup> Aug 2016)**



Datuk Dr Noor Hisham Abdullah, Director General of Health, Ministry of Health Malaysia and INEE's representative, Ms Nor Azizah at Sunway Medical Centre, KL



**IEE ICSE 2016 (17<sup>th</sup> -19<sup>th</sup> Aug 2016)**



**The 1<sup>st</sup> International Biosensing Technology Workshop and Conference, De La Salle University, Manila, Philippines (19<sup>th</sup> -21<sup>st</sup> Sept 2016)**



Dr Ruslinda A. Rahim as the invited speaker for this international conference and was accompanied by Ms Nurhamidah A Halim.

### **Pertandingan Projek Penyelidikan Inovasi Nanoteknologi Kebangsaan (10<sup>th</sup> Oct 2016)**



Dr Mohamad Nuzaihan won the first place for PhD category. Seen here with other participants representing INEE, Mr Mohd Zaki and Mr Azrul Syafiq

### **I-Inova16 USIM (9<sup>th</sup> Nov 2016)**



Prof Dr Uda Hashim and his student, Ms Nor Azizah Parmin won the special award

ICAMN 2016, KL (23<sup>rd</sup>-24<sup>th</sup> Nov 2016)



Prof Dr Uda Hashim as the keynote speaker at the International Conference on Advanced Materials and Nanotechnology (ICAMN2016) in Kuala Lumpur

IRIS'16 (24<sup>th</sup> Nov 2016)



Dr Voon Chun Hong at the International Engineering Research and Innovation Symposium 2016 at Melaka.



**Seoul International Invention Fair, SIIF2016 COEX Korea (1<sup>st</sup> – 5<sup>th</sup> Dec 2016)**



Dr Mohamad Nuzaihan proudly representing INEE to Korea and brought home two medals.

**13<sup>th</sup> Asian Conference on Analytical Sciences, ASIANALYSIS XIII (9<sup>th</sup> -12<sup>th</sup> Dec 2016)**



Ir Dr Mohd Khairuddin and Mr Conlathan both went to attend the international conference held at The Empress International Convention Center, Chiang Mai Thailand.

## Wisdom Fair, Speak Your Mind

In collaboration with Majlis Professor UniMAP, has invited three prominent academias from INEE to participate in this academic event held monthly

### Integrity in scientific research - Ir Dr Mohd Khairuddin (29<sup>th</sup> July 2016)



**WISDOM FAIR**  
SPEAK YOUR MIND

**INTEGRITY IN SCIENTIFIC RESEARCH**

Integrity is the quality of being honest and having strong moral principles, and it involves a broad area in academic works. Today, our publications are observed, studied, and benchmarked by many in Malaysia as well as abroad.

- ✓ Are we publishing scholarly papers?
- ✓ Are we moving towards the right direction?
- ✓ Are we genuine in our publications and student supervision?
- ✓ Are we taking enough precautions to stay away from breach of integrity in academic publications?

29 Julai 2016 (Jumaat) | 3.00 ptg  
Bilik Seminar Stanton, PPK Pembuatan  
Kampus Alam Pauh Putra  
Semua Warga UniMAP Dijemput Hadir

Ir. Dr. Mohd Khairuddin Md Arshad  
Institute of Nano Electronic Engineering

[www.unimap.edu.my](http://www.unimap.edu.my) UniversitiMalaysiaPerlis

### Women scientist: we need to be seen and heard - Dr Ruslinda A Rahim (12<sup>th</sup> Aug 2016)



**WISDOM FAIR**  
SPEAK YOUR MIND

**Semua Warga Kampus Dijemput Hadir**

**Women Scientists : We Need to be Seen and Heard**  
RUSLINDA A. RAHIM

**LINGUISTIC LIMBO : Language lacerations or Legitimate Lull ?**  
HARSHITA AINI HAROON

12 Ogos 2016 (Jumaat) | 3.00 ptg  
Bilik Seminar Stanton,  
PPK Pembuatan Kampus Alam Pauh Putra

[www.unimap.edu.my](http://www.unimap.edu.my) UniversitiMalaysiaPerlis



Research dilemma among academic staff: towards publication or commercialization – Prof Dr Uda Hashim (23<sup>rd</sup> Sept 2016)

**IN COLLABORATION WITH**

**INSTITUTE OF NANO ELECTRONIC ENGINEERING PRESENTS**

**WISDOM FAIR**  
SPEAK YOUR MIND

**RESEARCH DILEMMA AMONG ACADEMIC STAFF:  
TOWARDS PUBLICATION OR COMMERCIALIZATION?**

'If you want to know the answer, join us to this event'

by **PROFESSOR DR UDA BIN HASHIM**  
DIRECTOR OF INEE

**'Avoid stress and unnecessary pressure in research'**  
**'Enjoy your life and be passionate in research for better future'**

**3:00 pm | Friday 23rd of Sept 2016 | BEYOND EXPECTATIONS**

Bilik Seminar Seri Siantan  
PPK Pembuatan Pauh Putra