

31 MEDALS GARNERED BY UMP RESEARCHERS IN ITEX 2012



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Universiti Malaysia Pahang (UMP) researchers garnered 31 medals – five gold medals, 17 silver medals and nine bronze medals in the International Invention, Innovation and Technology Exhibition 2012 (ITEX) held in Kuala Lumpur Convention Centre on May 19, 2012 recently.

Dr D.M. Reddy Prasad from the Faculty of Chemical & Natural

Resources Engineering, together with researchers - Associate Professor Dr. Md Maksudur Rahman Khan, Dr. Mohammad Dalour Hossen Beg, Professor Dato' Dr. Rosli Mohd Yunus, Dr. Iqbal Ahmed and Ong Huey Ruey took home the gold medal for their work titled, "Development of Jatropa Oil based Bio-Adhesive for Plywood Application."

Other works that won the gold medals

were a study by Professor Dr. Korada Viswanatha Sharma from the Faculty of Mechanical Engineering titled, "New Coolants for Enhanced Performance in Automobile Radiators and Manufacturing Process."

The research was also a joint effort with researchers Dr. Kumaran Kadirgama, Dr. Rizalman Mamat, Professor Dr. Rosli Abu Bakar, Wan Azmi Wan Hamzah, Dr. DM Reddy Prasad and Dr. Arun Gupta.

The third gold medal belonged to researchers from Faculty of Mechanical Engineering - Ahmad Basirul Subha Alias, Asnul Hadi Ahmad, Dr. Mahadzir Ishak @ Muhammad, Ir. Mohd Rashidi Maarof and Mohd Sazali Salleh for their work on "Heat Regulator System in A Furnace."

Two more gold medals were awarded to Dr. Ahmad Razlan Yusoff, Hazami Che Hussain, Muhamad Hafifi Mansor from Faculty of Manufacturing Engineering for their work on "Intelligent Milling Tools for High Productivity in Machining Operation"

while Dr Fathima Shahitha, Professor Dr Mashitah Mohd Yusoff and Dr. Chong Kwok Feng from the Faculty of Industrial Sciences & Technology, for their research titled "Metal Nanofibers with Unmatched Surface Area for Electronic Application."

The 17 silver medals were contributed by research works carried out by the Centre for

Modern Languages & Human Sciences (PBMSK) (1), Faculty of Computer Systems & Software Engineering (FSKPP) (1), Faculty of Technology (FT) (2), Faculty of Electrical & Electronics Engineering (FKEE) (4), Faculty of Chemical & Natural Resources Engineering (FKKSA) (3), Faculty of Mechanical Engineering (FKM) (2) and Faculty of Industrial Sciences & Technology (FIST) (4).

Among the interesting research works conducted were electronic 'angklung' created by the Dean of Faculty of Electrical & Electronics Engineering, Ir. Zulkeflee Khalidin, Nik Mohd. Zaitul Akmal Mustapha and Wan Norhisham Mohd. Rashid as well as a kit to check the liver's condition called Akinnah Intervention Kit, produced by Abdul Kamil Jamaludin, Associate Professor Dr. Muhammad Nubli Abdul Wahab dan Tuan Sidek Tuan Muda.

The nine bronze medals were contributed by FIST (3), PBMSK (2), FSKPP (1), FKEE (1), FKKSA (1) and FKASA (1).

UMP Vice-Chancellor, Professor Dato' Dr. Daing Nasir Ibrahim, in a meeting with the researchers, said he was proud with their achievements and hoped that the success attained would spur more new findings discovered through better innovative means with the benefits and expertise extended and enjoyed by the people and country.



2ND DSSCM SEMINAR ON INCULCATING WORK SAFETY CULTURE

The seminar was also a platform where participants could share their experience and expertise as well as discuss about the new direction in OSH's leadership and management, be it at the national level or globally

A second seminar on developing and sustaining work safety culture in Malaysia (DSSCM II) was held at Astaka Hall, Universiti Malaysia Pahang (UMP) in Gambang on May 24, 2012.

It was jointly organised by Faculty of Technology, UMP, Higher Education Leadership Academy (AKEPT), Centre for Continuing Educational and Professional Development (CENFED) and Malaysia Occupational Safety and Health Officers Association (MySHO).

The theme was 'Driving Zero Harm through Effective Leadership in Developing Safety Culture for the Survival of Future Generation', focusing on topics relating to action and behavior of workers at workplaces and adopting safety culture.

It was officially closed by Human Resource Deputy Minister, Senator Dato' Maznah Mazlan.

In her speech, Dato' Maznah said although Malaysia had a comprehensive legal framework on occupational safety such as the Occupational Safety and Health Act 1994 (Act 514) which was under the ministry's purview, risks of accidents and dangers at workplaces were still high if awareness on these things was low among employers and employees.

"In view of this, the ministry's occupational health and safety department (DOSH) is serious in its enforcement aspect to ensure that employers and employees adhered to the provisions under Act 514 and all related legal subsidiaries," she added.

She also said the employers



themselves had a bigger role to play - which was to make sure a safe working place for employees instead of putting too much effort on making profits so much so that their safety was compromised.

She reminded occupational safety and health officers as well as occupational safety and health committees in work places to carry out their functions with credibility and integrity.

The Programme Chairman and Faculty of Technology Lecturer, Dr Norazura Ismail said the seminar could help inculcate safe work culture in work places by instilling zero-harm mindset.

She added that this could be done by creating the awareness and instilling the habit at institutes of higher learning and industries for the good of the future generation.

The seminar was also a platform where participants could share their experience and expertise as well as discuss about the new direction in OSH's leadership and management, be it at the national level or globally.

"Malaysia's vibrant economic development is fuelling the growth of a variety of domestic industries.

"As such, it is a must for organisations in every industry to give high commitment in developing

and maintaining a conducive working place that is healthy and safe by combining three or four components - employees, employers, environment and behavior," she said.

Eight local and foreign professionals and experts were invited to share their knowledge and expertise in the seminar. Among them were DOSH director Professor Dato' Dr Ir Johari Basri with his paper titled, 'Future Challenges in Developing & Sustaining Safety Culture' AKEPT Deputy Director (Leadership, Research and Innovation Centre), Associate Professor Dr. Mohd Fadzil Mohd Idris who spoke on 'Effective Leadership in Developing Safety and Health in Higher Education: Transition from Education to the Workplace' and Golder Associates Inc Consultant from Hawaii, USA Jas Singh with his paper - 'Dynamic of Industrial Hygiene Assessment in Oil and Gas Industries'.

Others included Social Security Organisation (SOCISO) Deputy Chief Executive (Operation), Dr. Mohammed Azman Aziz Mohammed, Dean of Faculty of Mechanical Engineering, Professor Dr. Zahari Taha, Malaysian Institute of Nuclear Technology (MINT) Waste Technology Group Chief, Dr Mohd Abdul Wahab Yusof, INFINEON Technologies (Malaysia) Sdn. Bhd. Occupational Safety and Health Senior Manager, Dr Khatijah Jumangat and Associate Professor Dr Ahmad Rahman Songi.

More than 300 participants from various industries attended the seminar that included exhibitions by at least 12 agencies from the public and private sector.