

## **UniMAP SCORES 14 MEDALS AND 2 SPECIAL AWARDS AT SIIF 2016 KOREA**

Kangar, 4 December – Universiti Malaysia Perlis (UniMAP) researchers won 14 medals and two special awards at the Seoul International Invention Fair (SIIF) 2016 that took place at COEX, Seoul, South Korea.

During the four-day exhibition which began on 1 December, UniMAP researchers took home four gold medals, four silver medals and six bronze medals among 639 participating products from over 31 countries.

The UniMAP product Hybrid Wireless-Fiber Utilizing Flexible Cross Correlation (FCC) Code for Future Network Accessibility developed by Dr. Mohd Rashidi Che Beson, Prof. Dr. Syed Alwee Aljunid Syed Junid and Prof. Madya Ir. Dr. Anuar Mat Safar contributed a gold medal at the exhibition.

Three other gold award-winning products were the Saw Based Sensor For E-Coli Detection invented by Prof. Dr. Uda Hashim and Dr. Mohammad Nuzaihan Md Nor, the Photovoltaic Powered Uninterrupted Power Supply (UPS) invented by Prof. Madya Dr. Muzamir Isa and Uni-Fez®: A Novel Fertilizer From Agricultural Waste by Dr. S. Rangunathan.

Additionally, two more research products created by Dr. Midhat Nabil Ahmad Salmi and Dr. S. Rangunathan received special awards by the National Research Council of Thailand and Institute of Applied Computer Science, Poland.

Dr. Mohd Rashidi said that the Hybrid Wireless-Fiber FCC OCDMA he developed by with his co-researchers provides high speed internet access by low-cost users.

He added that this integration between wireless and fibre-optics has the potential to dynamically enhance high-speed networks which is also environmentally friendly.

“This system offers great mobility and can provide stable bandwidth for a number of applications like Fibre-to-the-Home (FTTH) in rural areas, high-speed trains, the Internet of Things (IoT) and oil and gas industry applications,” he said in a statement here today.

SIIF is the largest invention exhibition in the world for inventors and researchers to show off their new ideas and products to manufacturers, investors, distributors, licensing companies and the public.

It is organised by the Korean Intellectual Property Office (KIPO) and supported internationally by the World Intellectual Property Organisation (WIPO) and the International Federation of Inventors' Association (IFIA).