Research

UMP bags 10 medals and The Best Award for Consumer Electronics

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A highly efficient light-emitting diode (LED) system known as MP-Rediac LED Stick was awarded a gold medal and special award “The Best Award for Consumer Electronics” in the Malaysia Technology Expo (MTE) 2020 which was held for three days from 20 February 2020 in the Putra World Trade Center (PWTC), Kuala Lumpur.

This product was invented by Ts. Ikram Mohd Rashid from the Faculty of Electrical & Electronic Engineering Technology together with Hisaji Noda With a unique feature where it does not produce heat at high temperature and does not require heat sink compared to the existing products.

“The efficiency of the LED UMP Rediac system is high at 157 lm/W. This LED system can be applied not only to LED products but also in garden lights, floodlights, street lights and other LED applications.

“This product can also solve the problems faced by night market traders, travellers, mechanics and users to obtain a light source at night.

“This product is mobile and does not require a power supply from the utility,” he said.

The other three gold medals were won by Dr. Chin Siew Choo from the Faculty of Civil Engineering Technology with a project entitled OHE-CRETE: Sustainable Building Materials, Ts. Dr. Waheb Abdul Jabbar Shaif Abdullah from the Faculty of Electrical & Electronic Engineering Technology (Project: NB-IoT-FMWS) and Nor Azhar Ahmad from the Faculty of Computing (Project: HeDoo Space, Teach & Learn - An Environmental IoT Analysis Modules & Generic Circuit Board).

Meanwhile, UMP bagged six silver medals through Associate Professor Dr. Agus Geter Edy Sutjipto (Faculty of Industrial Sciences & Technology, Development of Inert Ceramic for Industrial Application), Dr. Mohd Shaiful Zaidi Mat Desa (Faculty of Chemical & Process Engineering Technology, Development of Improved Durability and Low-Cost Solid Ankle-Cushion Heel [SACH] Prosthetic Foot), Dr. Nadzirah Mohd Mokhtar (Faculty of Civil Engineering Technology, MD Solution: MD Compact Unit for Industrial Wastewater Treatment), Associate Professor Dr. Noraziah Ahmad (Faculty of Computing, Efficient Distributed Database Replication Systems for Online Selling Website), Dr. Wan Isni Sofiah Wan Din (Faculty of Computing, Enhancement of Single Path to Multipath Clustering in Wireless Sensor Network for Energy Conservation) and Dr. Ahmad Firdaus Zainal Abidin (Faculty of Computing, Rex-Chain: Root Exploit Detection and Blockchain).

Also present visiting the exhibition was the Chairman of the UMP Board of Directors, Dato’ Sri Ibrahim Ahmad, accompanied by the Dean of Research, Professor Dr. Md. Mustafizur Rahman and the Manager of the Research and Innovation Department, Hazmin Aris.

According to Dato’ Sri Ibrahim, this exhibition is a platform for researchers to showcase their invention to the public and industries.

“UMP is blessed with young and motivated researchers in inventing research products and innovation.

“The university has been playing a vital role in formulating strategies and executing initiatives to boost the research and innovation performance in UMP via research grants at the university, national, industrial and international levels,” he said.

The participation and success obtained by UMP is a positive sign and a proud moment when the research products and invention are recognised.

The participation also opens collaboration opportunities with the industries including small and medium enterprises (SME) or any relevant parties which ultimately benefits the public, in parallel with the UMP tagline, Communitising Technology.

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