

## 1. Background

It is our great pleasure to introduce the establishment of IEICE Malaysia Section (Fig. 1) to all general readers of IEICE Global Plaza. IEICE Malaysia Section was officially established as the twelfth IEICE International Section in February 2015 upon the authorization by the IEICE Board.

This section endeavors to support the IEICE mission with the aim of promotion of scholarly growth, industrial advancement, and cultivation of human resources. We are committed to facilitate and support all IEICE activities held in Malaysia, and also to act as liaison between IEICE and the IEICE members from Malaysia Section. IEICE Malaysia Section will also continue to provide follow-up support especially to Malaysian students studying in Japan who have returned to the homeland, of which was the original objective of the establishment of IEICE International Sections Representative Program. As of March 2016, we recorded a total of 102 members with IEICE Overseas membership.

## 2. Current Research Focus

The current research focus includes but not limited to the following:

- Cryptography and Information Security
- Internet of Things
- Cloud Computing
- Big Data Processing
- Renewable Energy Research
- Optical Wireless Technology
- Intelligent Autonomous Control
- Artificial Transportation Systems
- Biology Information Systems
- Wireless Convergence
- New Generation Networks

## 3. Key Personnel

The key personnel appointed for IEICE Malaysia Section:

- Representative: Prof. Dr. Swee-Huay Heng, Multimedia University (MMU)
- Deputy Representative: Dr. A.S.M. Mukter-Uz-Zaman, MMU

Swee-Huay HENG, Member (Faculty of Information Science and Technology, Multimedia University, Melaka, 75450 Malaysia).

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Fig. 1 Establishment of IEICE Malaysia Section

## 4. Recent Activities

### 4.1 IEICE Sponsored Lecture 2015

We have the pleasure of inviting Prof. Yasuhiro Iwasawa (Fig. 2), the Director of Innovation Research Center for Fuel Cells, the University of Electro-Communications, to deliver a lecture entitled “Development of Advanced Fuel Cells Toward the Future Green Society Studied by X-Ray Absorption Fine Structure (XAFS) and Related Techniques” in MMU, Cyberjaya on 14 December 2015. This lecture was attended by 40 participants who consisted of IEICE Malaysia members, researchers from Fuel Cell Institute of National University of Malaysia (UKM), researchers from MIMOS Berhad, as well as lecturers and students from MMU. Fig. 3 was the group photo taken after the lecture session.

### 4.2 IEICE Sponsored Lecture 2016

On 2 December 2016, we are honored to have Dr. Goichiro Hanaoka (Fig. 4), the Leader of the Advanced Cryptosystems Research Group, Information Technology Research Institute, National Institute of Advanced Industrial Science and Technology (AIST, Japan), to

share with us a lecture entitled “Towards User Friendly Cryptography,” at Pullman Kuala Lumpur City Centre, Malaysia. This lecture was attended by about 40 participants who consisted of professors and lecturers from several universities from Malaysia, researchers from MIMOS Berhad, as well as lecturers and students from MMU. Fig. 5 shows the participants paying attention to the lecture sharing by Dr. Hanaoka. We also took the opportunity to explain the benefits of IEICE membership to encourage new joiners.

### 4.3 Visit to the University of Electro-Communications

The Section Representative, Prof. Heng visited University of Electro-Communications in Chofu, Tokyo, on March 26, 2015. A short meeting was held with the President of UEC, Prof. Takashi Fukuda, the Vice President (Education Strategy), Prof. Kazushi Nakano, and Prof. Takahashi (Fig. 6).



Fig. 2 Sharing by Prof. Iwasawa



Fig. 3 Group Photo after the Lecture Session



Fig. 4 Sharing by Dr. Hanaoka



Fig. 5 Lecture Participants

Prof. Heng also took the opportunity to visit the Center for Photonic Innovations led by Prof. Kohzo Hakuta. The achievements and research work carried out in this research center are very impressive and future collaboration opportunity is to be explored. The center website is <http://www.cpi.uec.ac.jp/>. Overall, this was a very fruitful trip and we look forward to foster a closer collaboration with UEC. Fig. 7 was the photo taken with Prof. Hakuta and Prof. Takahashi during the visit.

#### 4.4 Visit to the Fuel Cell Institute of UKM

Accompanied by Prof. Heng and Dr. Mukter, Prof. Iwasawa visited the Fuel Cell Institute of UKM after the IEICE Sponsored Lecture session on 14 December 2015. The visit was welcomed by Prof. Dr. Abu Bakar Mohamed, the Director of Fuel Cell Institute, and Prof. Ir. Dr. Hj. Wan Ramli Wan Daud, the Founder and Ex-Director of Fuel Cell Institute. We had the opportunity



Fig. 6 Photo with the UEC President, Vice President, and Prof. Takahashi



Fig. 7 Visiting Prof. Hakuta

to visit several laboratories and were impressed with the research work carried out there. Fig. 8 and Fig. 9 show the lab visit and group photo respectively.

#### 4.5 Launching of IEICE Malaysia Section Website

IEICE Malaysia Section official website (Fig. 10) has been developed and launched successfully with the URL:



Fig. 8 Visiting the Lab



Fig. 9 Posed for Group Photo



Fig. 10 IEICE Malaysia Section Website



<https://ieicemalaysia.org>. Recent activities and information will be updated and shared regularly via the website. Please feel free to stop by our website and stay in touch with us.

## 5. Strategies of the Section

Some strategies are outlined as follows in extending the IEICE membership and strengthening Section collaboration network and engagement:

- Recruit more IEICE members by conducting membership recruitment drive periodically and publicizing the benefits of IEICE membership
- Establish collaboration and conduct joint activities with IEICE Societies, IEICE local and international sections, and other potential collaborators
- Foster member engagement through regular section meetings, discussions and other events/activities
- Encourage publications in IEICE Transactions and IEICE Proceedings and the use of I-Scover

## 6. Plans and Key Milestones in 2017 Fiscal Year

We envisage the following activities to take place:

- Organizing an IEICE Workshop on Information Security
- Organizing a General Meeting for Fiscal Year 2017-2018
- Organizing joint academic talk(s) with other society or organization
- Conducting regular committee meetings
- Planning for IEICE Workshop/Conference in 2018

## 7. Call for Collaboration and Support

In the pursuit of local, regional and international network and collaboration, IEICE Malaysia Section looks forward to strengthen its local, regional and global linkages through research and academic collaborations with IEICE Societies, IEICE local and international sections and other potential collaborators.

We also look forward for an effective interaction platform among local sections and international sections so that more collaborative activities can be arranged to facilitate and support information sharing and knowledge transfer for the benefit of IEICE members and researchers in general. We also seek for the best level of support from all as we embark on this exciting and challenging journey.

You are most welcome to get in touch with us at the following address: *IEICE Malaysia Section, Faculty of Information Science and Technology, Multimedia University, Jalan Ayer Keroh Lama, 75450 Melaka, Malaysia (Attention: Prof. Dr. Swee-Huay Heng)* or via email at [info@ieicemalaysia.org](mailto:info@ieicemalaysia.org).

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**Swee-Huay HENG** (Member)

Prof. Dr. Swee-Huay Heng is currently a Professor at Faculty of Information Science and Technology (FIST), Multimedia University (MMU), Malaysia. She was the Vice President (Research & Development) of MMU from 2013 to 2017, and the Dean of FIST from 2011 to 2013. She received her D. Eng. degree from Tokyo Institute of Technology in 2004. Her research interests cover Cryptography and Information Security. She was the Program Chair of ProvSec 2010 and CANS 2010. She has published over 120 refereed journal and conference papers to date, and has been invited to serve as Technical Program Committee of many international security conferences and also as regular Reviewer of various journals.

