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2016 ANNUAL GENERAL MEETING
The 3rd IEEE International Circuits and System Symposium (ICSyS) was held from 2nd September to September 4th, 2015 at Holiday Villa, Langkawi. This conference aims to provide a platform for researchers in circuits and systems area to meet and discuss on the recent development in the field. The conference was attended by more than 40 participants including postgraduate students, university lecturers, researchers, and companies. Other than the paper presentations from participants, a workshop on Millimeter-Wave Integrated Circuit Design Using Silterra 0.13um RF CMOS was given by Nazif Emran bin Farid, Siti Maisurah binti Mohd Hassan and Rasidah binti Sanusi from Telekom R&D Malaysia. Besides, keynotes were shared by Prof Hsueh-Ming Hang and Prof Ljiljana Trajkovic on 3D Videos: Some Challenging Topics and Communication Networks: Traffic Data, Network Topologies and Routing Anomalies respectively.

Written by,
Lim Yang Wei

Group photo of ICSyS 2011 participants.

Invited Keynote Speakers: Prof Hsueh-Ming Hang (left) and Prof Ljiljana Trajkovic (right).
September 2nd, 2015 IEEE CAS (Malaysia) has successfully organized a Distinguished Lecturer Program at Dewan Persidangan Universiti (DPU), Universiti Sains Malaysia (Main Campus). This event was co-organized with USAINS Info Tech Sdn. Bhd and it has attracted many researchers from academic and industries. The seminar that focused on “Technology and Standard for Virtual-view 3D Systems” was given by CAS DLP Lecturer Prof Hsueh-Ming Hang. The topics cover includes MPEG Standard, stereographic display, image and based rendering (DIBR) technique. Essential technique in building a virtual-view system has also been discussed by the speaker. The audiences have given positive feedback on the event and would like more similar events to be organized in the future.

Written/Edited by,
Astral Bahari Jambek & Lim Yang Wei
On 10th October 2015, DIY Arduino Workshop sessions were organized at the SMK Pondok Upeh and SMA Maahad Al-Mashoor Al-Islami Balik Pulau, Pulau Pinang. The DIY Arduino Workshop sessions were conducted by 30 tutors USM Students’ Society of Electrical and Electronic Engineering (SEE) and one advisor from USM. Total of 80 students from both schools participated in this workshop. They learned about the concept and functionality of Arduino, then built a simple digital piano using the provided Arduino design kit with simple electronic components.

This workshop successfully introduced Arduino to secondary students and encouraged them to develop their own Arduino-based project. All in all, this is a great platform for students to get involved and cultivate passion in the field of Electrical & Electronics Engineering.

Written/Edited by,
Mohd Tafir Mustaffa & Tan Chee Phang

Group photo of Arduino Workshop 2015 participants.
Universiti Teknologi Petronas, 28th October 2015, the IEEE CAS Society Malaysia Chapter (IEEE CAS M) with the collaboration of CSIMAL, UTP and EE Department UTP has successfully conducted the 3rd series of the IEEE CAS Society Malaysia Chapter High-Tea Networking Event. The theme of the event is *Internet of Things (IoT) for Sustainable Living*. It aims to be a platform for intellectual interaction between IEEE members, fellows, engineers and academicians, to share knowledge and opportunities.

The program started with a welcoming remark from the Head of EE Department, UTP, Assoc. Prof. Dr. Rosdiazli Ibrahim. The program was later enlightened by the announcement of IEEE CAS M award winners for undergraduate, Master and PhD students led by Assoc. Prof. Dr. Tang Tong Boon, the Head of the Award Committee. This time, IEEE CAS M was delighted to have Prof. Hiroo Sekiya from Chiba University representing IEEE CAS Japan Chapter and Dr. Alan Harvey, the chair of IEEE CASS Victoria Section, from RMIT University to join the High Tea.

In the event, IEEE CAS M also conducted the Higher Education Student Project Exhibition Day where the students could communicate and present their work using a scholarly poster. The poster presentation was the first exercise of educational activity performed by IEEE CAS M during High Tea event.

This half-day program ended with the Higher Education Student Project Exhibition Day and networking session. Details of the event: [http://cas.ieeemy.org](http://cas.ieeemy.org)

Written/Edited by,
*Nurul Amziah Md Yunus & Che Nur Hamizah*

Clockwise from top left: Group photo of the attendees for 2015 Networking High Tea event, A token of appreciation presented by Dr. Nurul Amziah Md Yunus, the Chair of IEEE CAS M to Prof. Dr. Hiroo Sekiya from Japan Chapter and Participants at High Tea event.
IEEE CASS Malaysia chapter visited IEEE CASS Shikoku Chapter on October 4 – 5th, 2015 at Tokushima, Japan to strengthen the link between two chapters. Some social/cultural activities were done on the first day that includes visit to Aizumicho Historical Museum and Mount Bizan. A joint seminar by both Malaysia and Tokushima representatives was held at the Center for Information Technology on the second day. IEEE CASS meeting between two Chapters was held after the seminar, followed by visit to Nonlinear Circuits Laboratory and university semiconductor fabrication clean room. During the meeting, several key points has been agreed – involvement of CASS Shikoku Chapter in ICSys’17 as TPC and steering committee, involvement in BioPro’16 as speaker and joint seminar between Malaysia-Shikoku chapters in 2016.

Written by,
Lim Yang Wei

Group photo with speakers and participants of the joint seminar between CASS (Malaysia) and CASS (Shikoku).

Farewell dinner hosted by Dr. Yoko Uwate, Dr. Yoshifumi Nishio and Dr. Tetsushi Ueta.
November 23rd, 2015, five delegates from IEEE CAS Society Malaysia Chapter visited the Taipei Chapter Chair, Prof Ke-Horng Chen, and his colleague Prof Huang-Ming Chen at National Chiao Tung University (NCTU). The meeting started with a talk by IEEE CASS student member Mr. Lam Ghai Lim on his research work about “Helical Capacitance Sensor Design for Hold-up Measurement in Two-phase Stratified Flow”. Some possible collaboration was discussed after the talk that includes invitation on events and conferences from both sides, research collaboration in the areas of mixed signal and digital system design, assistance in silicon chip implementation from Taipei Chapter, student exchange and visiting professor program. The meeting was successfully concluded with a tour to the Mixed-Signal and Power IC Lab as well as the System Integration and Silicon Implementation Lab of NCTU.

Written/Edited by,
Tang Tong Boon & Lim Yang Wei
November 24th, 2015, Prof Hsin Chen of National Tsing Hua University (NTHU), Taiwan, hosted the Malaysian delegates. Prof Chen was the key organizer of 2015 Asia-Pacific School on Bio-inspired Systems and Prosthetic Devices (BioPro) sponsored by IEEE CAS Society Outreach Initiatives. The activities started with the presentation from postgraduate students of Prof Chen on their research work about neural engineering. Later, a tour to Taiwan National Chip Implementation Center (CIC) and National Nano Device Laboratories was conducted. A 3-week IC training course organized by CIC for postgraduate students in this year was discussed during the tour. It is of common interest to both the CIC and the Malaysia Chapter that the course will be extended to foreign researchers visiting Taiwanese universities. After the tour, Prof Chen (NTHU) and Dr Tang (UTP) have agreed to collaborate in two research projects related to neural engineering. In addition, they will collaborate to host BioPro 2016 in Kuala Lumpur, Malaysia.

Written/Edited by,
Tang Tong Boon & Lim Yang Wei

From left: Presentation delivered by NTHU postgraduate students, Group photo at Taiwan National Chip Implementation Center and Demonstration at Taiwan National Nano Device Laboratories.
28th October 2015, the 2015 IEEE CAS Malaysia Chapter Networking High Tea event was held at the Multi-Purpose Hall, Universiti Teknologi Petronas (UTP) Malaysia. The event was enlivened with the announcement of IEEE CAS M award winners for undergraduate, Master and PhD students.

IEEE CASS (M) Innovation Awards

The CAS Innovation Awards recognized outstanding final year projects that have illustrated innovation in the theory and/or applications of circuits and systems. Each award included an honorarium and a certificate. The awardees were invited to travel to IEEE CAS High Tea event to receive the award.

The nominees must be a full-time undergraduate from Public or Private Higher Education Institutions in Malaysia. Either the nominator or the nominee must be an IEEE CAS member at the time of nomination. Award recipients were:

- Mr. Muhammad Rizwan bin Che Noh from Universiti Malaysia Perlis (UniMAP) with project entitled ‘Development of Smart Cleaning System for Photovoltaic Module’. Project advisor: Mohd Natashah Norizan and Ili Salwani Mohamad

- Miss Suraya Nafila Bt Rozaidi from Universiti Teknologi Petronas (UTP) with project entitled ‘Presenter Tracking for Video Recording on INTEL Galileo Board’. Project advisor: Dr. Fawnizu Azmadi Hussin

- Miss Lee Xin Yi from Universiti Putra Malaysia (UPM) with project entitled ‘Integrated Controlling and Monitoring System for Lab on a Chip using NI Myrio-1900’. Project Advisor: Dr. Nurul Amziah Md Yunus

Written/Edited by,
Nurul Amziah Md Yunus & Che Nur Hamizah

Project advisor to Miss Suraya Nafila Bt Rozaidi is receiving the award.
Awards & Recognition

IEEE CASS Malaysia Chapter Awards

IEEE CASS (M) Master Dissertation Award

The CAS Master Dissertation Awards were awarded to outstanding master dissertations that have contributed to the advancement of the theory and/or applications of circuits and systems. The award includes an honorarium and a certificate.

With his project entitled ‘Cost Efficient Standard Cell Library Timing and Power Validation Techniques’, the IEEE CAS (M) Master Dissertation Award was received by Mr. Jaafar Khadair Kadam Al Frajat from Universiti Putra Malaysia (UPM). His thesis advisor is Dr. Fakhrul Zaman Rokhani.

Written/Edited by,
Nurul Amziah Md Yunus & Che Nur Hamizah

Mr. Jaafar Khadair Kadam Al Frajat receiving his IEEE CAS (M) Master Dissertation Award.

IEEE CASS (M) Doctoral Dissertation Award

The CAS Doctoral Dissertation Awards recognize outstanding doctoral dissertations that have contributed to the advancement of the theory and/or applications of circuits and systems. The award includes an honorarium and a certificate.

IEEE CAS (M) Doctoral Dissertation Winner Award was awarded to Dr. Jagadheswaran Rajendran from Universiti Malaya (UM) with project entitled ‘Multiband LTE Power Amplifier for Handset Application’. His thesis advisor is Dr. Harikrishnan Ramiah.

Written/Edited by,
Nurul Amziah Md Yunus & Che Nur Hamizah

Dr. Jagadheswaran Rajendran receiving his IEEE CAS (M) Doctoral Dissertation Award.
All CASS members are invited to the 2016 Annual General Meeting of IEEE Circuits and Systems Society (CASS) Malaysia Chapter.

Date : 29th January 2016 (Friday)
Time : 2.00 pm – 5.00 pm
Venue : Laksamana Room, Marina Putrajaya (located beside Pullman Hotel, Putrajaya)

Agenda:
i. Chair’s Welcoming Remark
ii. Accept Minutes of 2015 Annual General Meeting
iii. Annual Activity Report For 2015 Session
iv. Annual Financial Report For 2015 Session
v. Dissolution of 2015 Committee
vi. Election of 2016 Committee
vii. Related Matters

**Lunch, refreshment and tea break will be provided during the AGM.