Report on Visit to University Putra Malaysia, Kuala Lumpur, Malaysia

IEEE CAS Chapter Secretary from Hyderabad Section, Mr. Mohammed Arifuddin Sohel visited the IEEE CAS Malaysia chapter in Kuala lumpur, Malaysia. The meeting was hosted at University Putra Malaysia(UPM), KL, Malaysia on morning of 11th November 2014. The host was Dr. Noorul Amzia Md. Younus, Vice chair of IEEE CAS Malaysia and Assistant Professor in Electrical Engineering department of UPM. She first took the visiting members for a campus tour, specially to the Microelectronic and Nanoelectronic labs of the campus, and demonstrated the recently established clean room facility for performing MEMS based experiments.

![Dr. Noorul Amzia with Arif Sohel with Mohammed Anwer(student) outside the MEMS Lab.](image)

The meeting was scheduled from 10.30 AM to 12.30 PM in the meeting room of Faculty of Engineering. The meeting was presided by Dr. Mariam bint Md. Isa, Past chair of IEEE CAS Malaysia and was attended by Head of Department Prof. Wan Zuha and other faculty members and students of Analog VLSI Design class. The meeting started with a presentation by Dr. Noorul in which she presented the activities of IEEE CAS Malaysia due to which it has received the Best Chapter Award for three consecutive years consecutively. She also presented the details of the Electrical Engineering department of UPM and highlighted about the research activities of the faculty.

This was followed by a presentation by Mr. Arif Sohel on the activities of IEEE CAS Hyderabad Section which has been established recently in year 2012. Mr. Arif then elaborated about his parent institute, the Muffakham Jah College of Engineering and Technology and the research activities of the ECE Department of the college. He then went ahead with a half hour technical talk on Sigma Delta Analog to Digital Converter. Later, Mr. Mohammed Anwer, accompanying student from India, presented a talk on Wide Band Low Noise Amplifiers. There was an interested technical discussion that ensued after the talks.
After the technical talks, there was a very fruitful discussion on possible collaboration activities. The following matters were discussed.

- Mr. Arif Sohel highlighted the research activities in the VLSI Design Centre of ECE Department, MJ CET which he heads and informed the members that the center has started an online course on Analog CMOS Amplifier Design in collaboration with his Ex Student who is working in Texas Instrument, USA and is taking classes to Indian Students on the above course by coming online every Saturday through SKYPE mode. This online classes and lectures have a great potential for information and knowledge sharing between countries and there was detailed discussion on conduct such activities between Malaysia and Hyderabad chapters in general and UPM and MJ CET in particular.

- The Malaysia chapter provided the CFP of the International Symposium being organized by them in September 2015. Mr. Arif also suggested that the IEEE international conferences being organized by the chapters can have the members from interacting countries as members of TPC committee to improve collaboration and participation in the conference.

- There was a discussion between Mr. Arif and Dr. Wan Zuha on possible MoU between UPM and MJ CET for student and faculty exchange program.

- The Malaysian chapter is conducting a student Project Design Contest and paper presentation contest every year and encouraging student to become IEEE CAS members. A similar activity will be planned in Hyderabad Section.

- Further discussion on sharing of DLP lectures, Workshop information and other collaboration activities was done.

The meeting ended with a sumptuous lunch hosted by the ECE Department and mementoes were presented to the visiting members.
Mr. Arif Sohel and faculty and students of UPM who participated in the Technical Talk

The visiting team then took an overnight journey to UniMAP, Perlis about 450 Kms from Kaula Lumpur. After spending a short time on Langkawi island the team visited the AMBIENCE lab of School of Microelectronic Engineering(SoME) at UniMAP on 12th November 2014. Dr. Asral Bahari Jambek, Treasurer of IEEE CAS Malaysia was the host at UniMAP. The meeting started at 2.30 PM with a talk by Dr. Sharir, Head of School, on the research avenues in SoME followed by a talk on research in Analog Design area by Prof. Sudhanshu Jamwal. Mr. Arif Sohel then highlighted about the research activities in the Hyderabad Section.

The main purpose of going to UniMAP, Perlis was to have a look at the MEMS and Device Fabrication lab which has the start of Art, Class 5 Clean room with the latest equipment. The visiting team got an opportunity to spend a couple of hours in the clean room facility and a good interaction followed.

Arif Sohel with members of AMBIENCE lab and in the clean room facility.

The visiting members returned to Kaula Lumpur on 13th morning and visited Genting Highlands, Twin towers and returned to Hyderabad in the night of 13th November 2014.

Report by

Mohammed Arifuddin Sohel

Secretary, IEEE CAS Chapter, Hyderabad Section
Travel report for the Networking CASS Chapters in Asia-Pacific countries.

On behalf of IEEE CASS Japan Chapter, Hiroo Sekiya(Senior member, IEEE) and Tomoharu Nagashima(Student member, IEEE) visited Prof. T. J. Liang, who is a chair of the IEEE CASS Tainan Chapter, at 9:30-13:00, November 26 for making a strong network and good friendship between IEEE Circuits and Systems Society (CASS) Tainan and Japan Chapters. The meeting place is National Cheng-Kung University, Tainan, Taiwan.

I talked about the chapter activities of Japan and Tainan. In addition, the government support, industrial-company collaboration, and university support for our common research field, which is a power-electronics one, are explained and discussed together. In our conclusion, it is important to encourage students for making the basement of CASS research field. Tainan, Taipei, Shikoku, and Japan chapters have a plan to held TJCAS(Taiwan-Japan Joint Conference on Circuits and Systems) at Tokushima, Japan in 2015. We confirmed that both the chapters will do their best for success in the new conference.

Japan-chapter student representation, who is Tomoharu Nagashia, also talked with master and Ph. D course students of Tainan chapter actively. They discussed own researches, education systems, and cultures friendly. After that, we enjoyed lunch and promised that we would keep in touch for making deep partnership.

It is our common recognition that the research networks among Asia-Pacific countries are quite important. Because after our visiting Seoul chapter two years ago, Seoul and Japan chapters keep good partnership. I hope to keep exchange visit program in Region 10 for making stronger networks among Asia-Pacific countries.

Reported by Hiroo Sekiya
Graduate School of Advanced Information Science, Chiba University
Prof. T. J. Liang (right) and H. Sekiya

With Tainan chapter's students
IEEE CASS Networking Visit Report

Date of Visit : 24th November 2014
Venue : CASS Korea Chapter, Ajou University, South Korea
Host : Prof. Myung Hoon Sunwoo

Name of delegates:
- Dr. Maryam Mohd Isa (Past-chair, CAS M)
- Dr. Nurul Amziah Md Yunus (Vice-chair, CAS M)
- Dr. Noor Ain Kamsani (Secretary, CAS M)
- Dr. Fakhrul Zaman Rokhani (Ex-comm, CAS M)
- Mr. Kang Chung Hong (Student Member, CAS M)

Agenda :

1. Technical Talk on “Crosstalk Aware Error Control Coding Techniques For Reliable and Energy Efficient Network on Chip”, Dr. Fakhrul Zaman Rokhani


3. Technical Talk on “Train Track Misalignment Based on Inertia Measurement Unit” by Mr Kang Chun Hong

4. Discussion with on possible collaborations on student mobility and summer school programs.

Prepared by,
Dr Noor Ain Kamsani
Secretary, CAS M
Group photo with Prof. Byung Kwan, Kim, Vice President for External Relations

Mr. Kang Chun Hong delivering a talk.
Dr Nurul Amziah Md Yunus delivering a talk.

Dr Fakhrul Zaman Rokhani delivering a talk.
Group photo with Prof. Myung Hoon Sunwoo and Prof. Yang Hoe Seok

Dinner at the end of the visit
1. Visiting Chapter:
IEEE CASS Shanghai Chapter

2. Visiting Officer(s):
   Prof. Peilin Liu (Shanghai Jiao Tong University), Chapter Chair
   Prof. Di He (Shanghai Jiao Tong University), Chapter Secretariat

3. Visiting Student(s):
   Mr. Zhenqi Wei (Shanghai Jiao Tong University)

4. Host Chapter:
IEEE CASS Shikoku Chapter

5. Host Officer(s):
   Prof. Yoshifumi Nishio (Tokushima University), Chapter Chair
   Prof. Yoko Uwate (Tokushima University), Chapter Treasurer

6. Visiting Date:
   November 16, 2014

7. Detail:
   IEEE CASS Shanghai Chapter visited the IEEE CASS Shikoku Chapter on
   November 16, 2014.
   In the morning, Prof. Peilin Liu (Shanghai Chapter Chair), Prof. Di He (Shanghai
   Chapter Secretariat) and Mr. Zhenqi Wei (Ph. D. student in Shanghai Chapter) visited
   Shikoku Chapter in Takamatsu. Prof. Peilin Liu introduced the main research areas of
   the Shanghai Key Laboratory of Navigation and Location Based Services in Shanghai
   Jiao Tong University. Prof. Di He gave an oral presentation entitled “Wireless
   Positioning Approach Based on Stochastic Resonance”. And Mr. Zhenqi Wei gave a
   talk entitled “High-Efficient Queue-Based Spin Locks for Network-on-Chip
   Processors”. Some students from the Shikoku Chapter also presented some talks, such
as “Synchronization Phenomena on a Complex Network with Local Bridge of Coupled Chaotic Circuits” and so on. After the talks, we discussed future cooperation between two chapters.

In the afternoon, Prof. Peilin Liu and Mr. Zhenqi Wei continued to visit Shikoku Chapter in Tokushima. They introduced the research works to the CAS members and students in the Tokushima University. And Prof. Yoshifumi Nishio introduced some activities in the Shikoku Chapter.

Through this activity, the friendship between these two IEEE CASS Chapters is deepened, and it provides a very good communication opportunity for the young researchers and students from both sides. Prof. Yoshifumi Nishio and Prof. Peilin Liu expressed the common wishes to continue this activity in the future.

8. Pictures:

Photo 1: Prof. Yoshifumi Nishio and Prof. Peilin Liu hold the talks in Takamatsu together

Photo 2: Prof. Peilin Liu introduces the research works in Takamatsu
Photo 3: Prof. Di He gives his talk in Takamatsu

Photo 4: Mr. Zhenqi Wei gives his talk in Takamatsu
Photo 5: Mr. Zhenqi Wei gives his talk in Tokushima
Visit Report - 2014 Networking CASS Chapters in Asia-Pacific Countries

Visiting Chapter: Tainan Chapter
Visiting Chapter's Chair: Tsorng-Juu Peter Liang
Host Chapter: Hong Kong Chapter
Host Chapter's Chair: W H Lau
Visiting Officer: Tsorng-Juu Peter Liang
Visiting Student: Kai-Hui Kevin Chen
Visiting Schedule: Nov. 28-29, 2014

Brief Description of Visit:

Nov. 28, 2014:
My student, Kevin, and I took the flight CI0931 from Kaohsiung, Taiwan to Hong Kong in the morning. Due to the delay of the flight, we arrived Hong Kong at about 11:30, then dropped our luggage in the hotel and had lunch. We arrived at City University of Hong Kong to visit Prof. Ricky W. H. Lau, Prof. Henry S. H. Chung, and Prof. Wong Kowk Wo. We had a great talk about linking the CASS chapters among the Asia-Pacific countries and had the chance to know each others' research conditions. We also had an impressive lab tour in the Centre for Smart Energy Conversion and Utilization Research, which was leaded by Prof. Henry Chung.

Nov. 29, 2014:
Because of the flight arrangement, we stayed in the hotel to do some works in the morning and have a lunch on our way to Hong Kong Airport.

Conclusions and Suggestions:
Thank the great support from IEEE CAS Society. The chapters can be linked in depth for future cooperation between CASS Chapters.

Fig. 1 Visiting Centre for Smart Energy Conversion and Utilization Research