

**REPORT FOR  
COMSOC DISTINGUISHED LECTURER TOUR**

**Name of Lecturer: Hsiao-Hwa Chen**

**Region: AP**

**Location: Xiamen and Fuzhou, China**

**July 17-24, 2017**

Under the support of ComSoc, I had made my second Distinguished Lecture tour after I was appointed as a DL for ComSoc. In this DL tour, I traveled from Taiwan to China, and stayed in Xiamen and Fuzhou and gave three lectures in three universities (including the days for my arrival and departure) from July 17 to 24, 2017. Please note that my initial plan for this DL tour starts from July 18 and end on July 23. Due to the fact that there is no direct flight from Taiwan to China every day, and thus I had to make some adjustment in my schedule accordingly.

This DL tour was very successful. I delivered my talks in two major universities in Xiamen city, which is one of the most dynamic cities in China in terms of its economical development, and another talk in Fuzhou city, which is the capital city of Fujian Province of China. The three major universities where I delivered my DL talks are Xiamen University and Ji-Mei University in Xiamen city, and Fuzhou University in Fuzhou city. The topic of my DL talks is “Complementary Coded Code Hopping Multiple Access”.

My first DL talk was given in Xiamen University on July 19, 2017, and hosted by Professor Yuliang Tang, who is working in the Department of Communication Engineering, School of Information Science and Technology, Xiamen University, China. I have to mention that the logistic arrangement for my DL talk in Xiamen University was done mostly by Professor Xuemin Hong, who is also working intensively in wireless communications. I have to thank him for his lot of time spent to make the arrangement for my DL talks, not only in his own university (i.e., Xiamen University), but also in other two universities, including Ji-Mei University (also in Xiamen city) and Fuzhou University (in Fuzhou city). As a matter of fact, Professor Xuemin Hong is the person who invited me to give my ComSoc DL talks in his university at the beginning. For this, he spent a lot of time to help me to get in touch with the professors in other two universities in Fujian Province, including Ji-Mei

University and Fuzhou University. This was a lot of effort. Without the helps made by Professor Xuemin Hong, my DL tour in Fujian Province will not be a successful one.

I have also to mention that my first DL talk given in Xiamen University, China, is also coincided with the workshop organized by Professor Yuliang Tang. Therefore, it was indeed great to have a lot of (about 100 people) post-graduate students and faculty members listening to my DL talk. My talk is about a new multiple access technology (called code hopping multiple access technique), which has its potential to be used in the futuristic wireless communications. Thus, my talk had attracted a lot of attention in the audience, and in the Q&A session after my talk, there were a lot of people asking questions about the issues I raised up in my talk. Therefore, I would like to say this was a very successful talk, which can be the basis to inspire a lot of joint research effort after the talk due to the common interest there. Fig. 1 shows the picture when I delivered my DL talk in Xiamen University.



Fig. 1. I delivered my DL talk in Xiamen University, China, on July 19, 2017.

My second DL talk was given in the Ji-Mei University, which is located about 30 kilometers away from Xiamen City. Professor Xuemin Hong drove his car to bring me to the Ji-Mei University, which has a very nice campus with a large area and a lot of green plantations. The Ji-Mei University was founded by an overseas Chinese, who has been very active in donating his money to establish a lot of high-learning

institutions in China, especially in the southern China region. As a matter of fact, he was also the person who established Nanyang Technological University of Singapore, which has been a worldwide famous university and one of the key universities in Singapore. I used to work in the National University of Singapore from 1992 to 1997, and thus know very well the another major university, Nanyang Technological University of Singapore, in Singapore.

My DL visit in the Ji-Mei University was hosted by Professor Jiachun Zheng, the Information Engineering College, Ji-Mei University, China. My talk in Ji-Mei University attracted a lot of students as well as some faculty members. More than 200 students attended my talk, mostly the 4<sup>th</sup> year undergraduate students, together with some post-graduate students. Fig. 2 shows the scenario when I delivered my DL talk in the Ji-Mei University. Due to the fact that most of the audience in this DL talks are undergraduate students, I tried very hard to explain the works covered in my talk in a comprehensive way, so that they can understand the major contents contained in my talk.



Fig. 2. My Second DL talk given in the Ji-Mei University, China, on July 21, 2017.

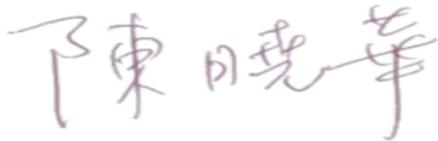
My third talk in this DL tour was given in Fuzhou University, China, which is located about 300 kilometers north from Xiamen City. In fact, Fuzhou is the capital city of Fujian Province of China, and Xiamen is only a second largest city in Fujian Province. Therefore, in order to go to Fuzhou for my DL talk, I had to take high-speed railway train from Xiamen to Fuzhou, and it took us 2.5 hours in one way from Xiamen city to Fuzhou city. I traveled to Fuzhou accompanied by a student of Prof. Xuemin Hong, Xiamen University, and my travel to Fuzhou city was very smooth. I started from Xiamen in the early morning of July 22, and arrived at Fuzhou city by the noon. My DL talk started from 14:00 in School of Physics and Information Engineering, Fuzhou University, and was hosted by Professor Chong-Hui Chen, who is a very senior Professor in the School of Physics and Information Engineering, working in satellite and wireless communications for many years. My DL talk was given in a meeting room of the School of Physics and Information Engineering, Fuzhou University, as shown in Fig. 3 of this report. More than 50 faculty members and post-graduate students, most of which are PhD students of the School of Physics and Information Engineering, Fuzhou University.



Fig. 3. My DL talk given in the School of Physics and Information Engineering, Fuzhou University, on July 22, 2017.

I returned to Xiamen right after my DL talk, to make it easier for me, as well as my host, as I do not want to trouble my host in Fuzhou University to arrange for my hotel in Fuzhou City again.

Before the end of this DL tour report, I am obligated to express my sincere thanks to all the people involved to make it possible, including the Director of ComSoc Membership Services, Dr. Zhensheng Zhang, who is the person giving me the support I need to make it a success, the APR CCC Chair/DLT/DSP Coordinator, Dr. Eiji Oki, ComSoc Staff Cronin Carol, as well as ComSoc Beijing Chapter Chair, Professor Xiaofeng Tao. Last but not the least, I should say “thank you” to all my hosts of my DL talks in three universities. In particular, Professor Xuemin Hong, Xiamen University. I deeply appreciate all of your helps and supports.



Professor Hsiao-Hwa Chen, ComSoc Distinguished Lecturer  
Department of Engineering Science  
National Cheng Kung University  
1 Da-Hsueh Road, Tainan City, 70101 Taiwan  
E-mail: hshwchen@ieee.org  
Tel: +886-6-2757575 ext. 63320  
Fax: +886-6-2766549  
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