REPORT FOR
COMSOC DISTINGUISHED LECTURER TOUR
Name of Lecturer: Hsiao-Hwa Chen
Region: Europe, Middle-East, & Africa Region 8
Location: Helsinki (Finland), Oslo (Norway) and Grimstad (Norway)
August 11-August 24, 2018

Under the support of ComSoc, I have made a Distinguished Lecture tour in August 2018. In this DL tour, I traveled from Taiwan to two Nordic countries, and stayed in Helsinki (Finland), Oslo (Norway), and Grimstad (Norway) to give three lectures in three locations from August 11 to 24, 2018 (including the days for my arrival and departure).

This DL tour was very successful. I delivered three DL talks in three different institute or universities in Finland and Norway, and one is located in Helsinki, and the other two are located in Oslo and Grimstad, respectively, Norway. The topic of my DL talks was “Complementary Coded Code Hopping Multiple Access – A NOMA Scheme”.

I left Taiwan on August 11, 2018, for Hong Kong, in order to catch my flight to Helsinki in the morning of August 12, 2018. In this way, I had to stay over-night in Hong Kong, due to the fact that there is no direct flight from Taiwan to Helsinki.

My first DL talk was given in VTT of Finland in Helsinki on August 13, 2018, and hosted by Dr. Tao Chen, who is a Senior Scientist working in the VTT, which is an abbreviation of its Finnish name. The English name of VTT is “Technical Research Center of Finland Ltd”. VTT is one of the leading research and technology organizations in Europe. Its research and innovation services give its partners from both private and public all over
the world a competitive edge. VTT was established about 75 years ago as a Finnish government funded research institution. Today, VTT has its net turnover that has reached 258 million Euros, and it has about 2,368 employees working in it. VTT has in total 1,530 customers of both domestic and international. Therefore, VTT has witnessed the prosperity and technological development of Finland and has made its huge contributions to the country.

![Fig. 1 Dr. Hsiao-Hwa Chen’s DL talk made in VTT, Helsinki, Finland, on August 13, 2018.](image)

After my first DL talk given in VTT, Helsinki, Finland, I went to my second stop, that is the University of Oslo, Norway, on August 16, 2018. The University of Oslo is one of the oldest universities in the Nordic countries, and it enjoys a very rich tradition in its research excellence. It created five Nobel Prize Winners, including the 1973 Nobel Prize Winner in Physics, Prof. Ivar Giaever, for his works in electrical engineering. Therefore, it is obvious that the University of Oslo plays a pivotal role in
many of the changes taken place in Norway over the last 200 years. In connection with its bicentennial ceremony in 2011, it published the stories about the University’s huge contributions made to the country. Currently, there are 28,000 students and 6,000 employees in the University of Oslo, which has eight faculties, two museums, and several research centers. In addition, the University of Oslo has ten Norwegian Centers of Excellence.

Therefore, it is certainly an honor for me to be invited to deliver a ComSoc DL talk in the University of Oslo. My talk was given on August 17, 2018, and my host was Dr. Josh Yan Zhang, who is a full Professor working in the Department of Informatics, the University of Oslo.

Fig. 2 Dr. Hsiao-Hwa Chen’s DL talk made in the Department of Informatics, the University of Oslo, on August 17, 2018.
After my visit to the University of Oslo, Norway, I started my journey to another Norwegian University, the University of Agder, which is located about 300 kilometers away from Oslo. There are two campuses in the University of Agder; one is located in Kristiansand, and the other is located in Grimstad. My host, Prof. Frank, Li, is working in the second campus, the University of Agder in Grimstad. Grimstad is a small Norwegian town by the northern sea in the southern Norway. It is a very peaceful and beautiful small town, which is a very nice place to live. The University of Agder is the largest university in the southern Norway area, with over 13,000 students and 1,400 faculty and staff members. It is one of the most modern universities in Norway, and currently it is still growing and consolidating its position for its high-quality research and study programs both on the national and international levels. The University of Agder seeks to be an open and inclusive university that is characterized by a rich culture of cooperation and aims to be on the cutting edge of innovation, education, and research. The University of Agder has six faculties, plus a Teacher Education Unit. My host, Prof. Frank Li, is working in Engineering and Science Faculty.

My DL talk was given on August 21, 2018. The talk was attended by both post-graduate students and faculty members. My talk was followed by a well responded Q&A session, and many interesting questions were asked after the talk. Hopefully the discussions made after my talk can stimulate some follow-up research works on the code hopping multiple access scheme, which is the main topic of my DL talk.
My DL tour in two Nordic countries (in three different locations) was ended on August 23, 2018. 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. Song Guo, who is the person giving me the support I need to make my DL tour a success, the ComSoc Finland Chapter Chair, Dr. Harri Saarnisaari, and ComSoc Staff Cronin Carol. Last but not the least, I should say “thank you” to all my hosts of my DL tour in three locations. In particular, Dr. Tao Chen, VTT of Finland, Prof. Josh Yan Zhang, The University of Oslo, and Prof. Frank Li, the University of Agder, Grimstad, Norway. I deeply appreciate all of your helps and supports.
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