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Mikael Skoglund at Royal Institute of Technology (KTH), Stockholm, Sweden as a postdoctoral researcher in September 2012 and joined our department on March 2013 as an Assistant Professor.

It is indeed a great pleasure and meaningful turning point of my life that I came across with the new job at City University of Hong Kong. This is my first time in Hong Kong. I am still trying to learn many of local stuffs. However, I am quite confident that through the support, expertise, and richness of the people I have met in our department, I will be given the opportunity to contribute to this stimulating environment and grow as an academic.

Up to this point, I do not describe what type of research I am conducting. My research interest is in general areas of communication theory and communication signal processing. The emphasis of my current research is on multiple-input multiple-output (MIMO) wireless communication systems. MIMO signaling schemes allowing the transmitter to adapt to the channel state information (often called closed-loop MIMO) have become a promising technology for the next generation wireless standards and beyond. Over the past few years, much work has been done to investigate solutions in this area. However, there are still many problems to be addressed in the closed-loop MIMO such as channel correlation, closed-loop in fast fading channel, and imperfection in channel feedback. My current research goal is to develop and analyze schemes/algorithms to make the closed-loop MIMO practical and validate them. Furthermore, I am planning to develop a research program at CityU based on solving both theoretical and applied problems arising in communication and signal processing area. I believe teaching is an integral part of a career in research. Teachers shape the way students look at engineering problems and motivate incoming graduate students to involve in advanced research problems. I also would like to identify students' interests, tailor research, and guide students for having desired effects.

There would be many of challenges and obstacles ahead of me. However, I always try to convince myself in such a way that 'you can become whatever you want to be, if you constantly contemplate on the object of desire with faith' (-The Bhagavad Gita). You have the power to act, but you do not have the power to influence the result. Thus, you must act without the anticipation of the result but without succumbing the inaction.

## 學生校友通訊站

### Exchange Study Programme

#### My Exchange in University of Washington, Seattle

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##### Why for exchange programme?

- IELTS result ready a year ago
- want to be more independent by living on my own
- want to experience life staying in dorm
- want to widen my horizon and meet people with different cultural backgrounds
- want to improve my English

##### Arrival and Orientation

It is no good to be alone when you go abroad and experience the cultural shock. Therefore, my school has something special — a homestay before the start of my quarter. After I arrived on 9th Sept, I got a veteran host living in Tacoma and he hosted three more guys studying at the same school. During the eleven days, the host had taken us four to travel around, including visiting observatory of mountain St. Helen (one of the most active volcanos in the world). I was so surprised that the cities in the US are so dispersedly populated. Fortunately, bus service was not bad.



International orientation started on 12th Sept. They held several activities like camping so that people could meet each other. Through the activities I met friends coming from different countries. I moved into dorm on 20th Sept and the school started officially on the 24th.

I still remember my shock when everything has been switched to English — after my arrival, I found that I could not adapt to their

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accent and I had great difficulty in having conversations with each other. Fortunately I eventually got used to English.

### **The Campus**

The campus is a big one! It takes 20 minutes to walk from one side to the other side. There is no school bus but lots of public buses available on campus. The University has great facilities such as libraries, several canteens, sports facilities, indoor swimming pool and yacht dock! And more importantly, the campus is very beautiful! The school has done a good job in promoting a green campus. Also the buildings are beautifully designed in different styles. Some are already more than 100 years old but still in very good condition. And just like the rest of Seattle, there are coffee shops every two or three buildings.

### **My Dorm Life**

I lived in school dorm because other forms of residence in the US require contract of at least 9 months. Haggett Hall, the place where I lived in, has hexagonal-shaped rooms. It has a big lounge and shared facilities so people can make friends and meet others easily. Unfortunately, due to homework, I have been too busy to enjoy my dorm life.



### **My classes**

It was more time demanding in courses when compared with that of CityU. Coursework mark was weighed at least 60% and I had homework every week. In one of the courses, the homework took me at least 10 hours a week. Therefore I was given no alternative but to work hard. Fortunately teaching of some of the lecturers is really good and getting a decent grade is not that difficult if you put effort into it.

### **People I met and out of classroom**

I started to know other international students through homestay, orientation activities and everyday classes.



We travelled to different places in Seattle during weekends. Our activities included roller skating, ice skating, yachting, visiting art museums, visiting flight museum, etc.

### **Travelling around**

I have been to several places with my friends other than Seattle, including:

- mid-October: Portland, Oregon
- mid-November: Vancouver, British Columbia
- Winter Break: Miami, Florida; Key West, Florida; Orlando, Florida; New Orleans, Los Angeles



### **Home Sweet Home**

My winter break trip ended on 4th Jan and I got back to Seattle for a few days. On 7th Jan 2013, I was back to Hong Kong. Although I missed Hong Kong, I missed my friends there too!



### **What I gained**

It was a great exchange experience which has widened my horizons a lot. It has been a good opportunity to make friends from other countries so as to understand their cultures and thinking. It will also be a good training for students to manage your life independently without others' assistance. It has provided me with a chance to explore the difference between the educational systems between Asian countries and in America.