Prof Tony Quek delivered a lecture series at the following locations:

1. **Chengdu, China – 6 March 2018**
   Lecture Venue: University of Electronic Science and Technology of China (UESTC)
2. **Chengdu, China – 7 March 2018**
   Lecture Venue: Southwest Jiaotong University (SWJTU)
3. **Beijing, China – 12 March 2018**
   Lecture Venue: Beijing Jiaotong University (BJTU)
4. **Beijing, China – 12 March 2018**
   Lecture Venue: University of Science & Technology Beijing (USTC)

**Chengdu, China**
My first stop of this tour was University of Electronic Science and Technology of China (UESTC). My host was Prof. Zhi Chen of UESTC. UESTC is a research-intensive university in Chengdu, China, with many highly ranked disciplines in national ranking. The title of my lecture was “Proactive Network Management meets Network Intelligence.” Recent breakthroughs in artificial intelligence and machine learning, including deep neural networks and the availability of powerful computing platforms are providing us with technologies to perform tasks that once seemed impossible. In the near future, autonomous vehicles, intelligent mobile networks, and intelligent internet-of-things (IoT) will become a norm and AI will be one of the key technologies to make all these possible. In this talk, we looked at the use of network intelligence for proactive network management in some wireless networks like content-centric networks and ultra-dense networks. Furthermore, I shared some interesting future problems that need to be tackled in this area. There were about 30 people attending the talk, including undergraduate students, postgraduate students, and faculty members. Following my talk, we had an excellent Q&A session.

I gave my second DL talk at Southwest Jiaotong University (SWJTU). My host was the ComSoc’s Chengdu chapter chair, Prof. Zheng Ma of SWJTU. The topic of my talk was “Massive, Ultra-Dense, Delay, and Intelligence”. In the future wireless systems, new services, applications and devices will drive requirements on data rate, ubiquity of data services, latency, cost, and reliability and further drive data traffic growth. To meet the above challenges, new technologies have been developed and investigated all around the world. Furthermore, the recent breakthrough in artificial intelligence and machine learning are providing us with technologies to perform tasks that once seemed impossible. In this talk, I discussed a few key characteristics of future wireless networks and investigated several related research problems in future wireless systems. There were about 40 people...
attending the talk, including postgraduate students and faculty members. Following my talk, we had lots of discussions after the talk. In the evening, Prof. Ma hosted a simple dinner together with colleagues in SWJTU.

Beijing, China
My third stop of this tour was Beijing Jiaotong University (BJTU) and my host was Prof. Ai Bo of BJTU. The topic of my talk was “Massive, Ultra-Dense, Delay, and Intelligence”. In the future wireless systems, new services, applications and devices will drive requirements on data rate, ubiquity of data services, latency, cost, and reliability and further drive data traffic growth. To meet the above challenges, new technologies have been developed and investigated all around the world. Furthermore, the recent breakthrough in artificial intelligence and machine learning are providing us with technologies to perform tasks that once seemed impossible. In this talk, I discussed a few key characteristics of future wireless networks and investigated several related research problems in future wireless systems. There were about 30 people attending the talk, including postgraduate students and faculty members. Following my talk, we had lots of discussions after the talk. Prof. Bo hosted a simple lunch together with colleagues in BJTU.

My last stop of this tour was University of Science and Technology Beijing (USTB) and my host was Prof. Haijun Zhang of USTB. The topic of my talk was “Massive, Ultra-Dense, Delay, and Intelligence”. In the future wireless systems, new services, applications and devices will drive requirements on data rate, ubiquity of data services, latency, cost, and reliability and further drive data traffic growth. To meet the above challenges, new technologies
have been developed and investigated all around the world. Furthermore, the recent breakthrough in artificial intelligence and machine learning are providing us with technologies to perform tasks that once seemed impossible. In this talk, I discussed a few key characteristics of future wireless networks and investigated several related research problems in future wireless systems. There were about 20 people attending the talk, including postgraduate students and faculty members. Following my talk, we had lots of discussions after the talk.