A Seminar on the Challenges of 5G Mobile Networks Research

On April 5th DTU held a seminar entitled “The Challenges of 5G Mobile Networks Research”.

Attendees included Professor Kumbesan Sandrasegaran, from the Electrical Engineering department of the University of Technology, in Sydney, Australia, Dr. Ha Dac Binh, Dean of DTU Faculty of Electrical Engineering, DTU lecturers, post-graduates and students.

Professor Sandrasegaran

In January, at the 5G Mobile Networks seminar hosted at DTU, Professor Fumiyuki Adachi from the Research department at the Organization of Electrical Communication of Tohoku University in Japan briefed attendees on the capabilities and advances of 5G mobile networks. In April, Professor Sandrasegaran talked about further research opportunities and challenges of putting 5G into practice.

Attendees from Electrical Engineering enjoying Professor Sandrasegaran's presentation

Much is expected of 5G networks because they hold considerable advantages in capacity, connection, coverage, signaling efficiency, battery consumption in comparison with 4G. There are, however, technological challenges of standardization and the application of 5G services, including infrastructure, device usage, coverage and services.

Professor Sandrasegaran said: *"Perfecting 5G network deployment globally will be a long journey that will take much time and research. We anticipate that next-generation mobile networks will provide users with higher throughput, more stable connections and improved coverage."*

(Media Center)