

**REPORT FOR
COMSOC DISTINGUISHED LECTURER TOUR**

Name of Lecturer: Liangping Ma

Region: North America

Location: Calgary and Winnipeg, Canada

June 19-22, 2018

At the invitation from Prof. Mohamed Helaoui of University of Calgary and that from Prof. Jun Cai of University of Manitoba, I gave a talk titled "QoE-based Video Communication in Wi-Fi, LTE and 5G" to the Southern Alberta Chapter on June 20th and the same talk to the Winnipeg Chapter on June 22nd.

The subject of the talks was about modern video communication, including video streaming and interactive video communication, which has become an important part of our everyday life. Described were the underlying technologies and various design approaches to optimizing the Quality of Experience (QoE) of the video. Covered were a wide range of technologies, including the those commercially deployed such as DASH, WebRTC, Wi-Fi and LTE, and the new technologies from 5G.

IEEE ComSoc members, working professionals and students attended the talks. Some of the audience showed strong interests in the commercialization of video communication and the prospect of 5G accelerating the deployment of advanced video communication technologies. The audience appreciated IEEE ComSoc for supporting these talks that brought the latest development about video communication and 5G to the local chapters. As the speaker, I enjoyed discussing with the audience about the impressive work and research that they had done.

I would also like to thank Dr. Song Guo (Director Membership Services), Dr. Wahab Almuhtadi (Director, ComSoc North America Region), Dr. Anader Benyamin (DLT North America Coordinator), and Ms. Carol Cronin (ComSoc Executive and Volunteer Services Administrator) for their support. I would also like to thank Prof. Mohamed Helaoui and Prof. Jun Cai for organizing the events and Telus and University of Manitoba for providing the venues for the events.



Figure 1 Liangping Ma (first from the right) presenting " QoE -based Video Communication in Wi-Fi, LTE and 5G " to the Winnipeg Chapter; Prof. Jun Cai (second from the right) – ComSoc Winnipeg chapter chair, June 22, 2018.

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