

BIOGRAPHY:

Tho Le-Ngoc obtained his B.Eng. (with Distinction) in Electrical Engineering in 1976, his M.Eng. in Microprocessor Applications in 1978 from McGill University, Montreal, and his Ph.D. in Digital Communications 1983 from the University of Ottawa, Canada.

During 1977-1982, he was with Spar Aerospace Limited as a Design Engineer and then a Senior Engineer, involved in the development and design of the microprocessor-based controller of Canadarm (of the Space Shuttle), and SCPC/FM, SCPC/PSK, TDMA satellite communications systems.

During 1982-1985, he was an Engineering Supervisor of the Radio Group of 15 engineers in the Department of Development Engineering of SRTelecom Inc., developed the new point-to-multipoint DA-TDMA/TDM Subscriber Radio System SR500. He was the architect of this first digital microwave TDMA system.

In 1985, he joined the Department of Electrical and Computer Engineering of Concordia University, where he is currently a Professor. He was the Director of the Signal Processing and Communications Research Centre during 1995-1998.

His research interest is in the area of wireless digital communications with a special emphasis on Modulation, Coding, and Multiple-Access Techniques.

He is currently Leader of the Major Project "Broadband Satellite Communications" of the Canadian Institute of Telecommunications Research (CITR), a National Network Centre of Excellence (NCE). This Major Project collaborates closely with the Advanced Satcom Project, a major research initiative of the Government of Canada, and involves researchers from seven Canadian universities and the Communications Research Centre (CRC) of Canada.

He is a Senior Member of the Ordre des Ingénieur du Quebec, and a Fellow of the Institute of Electrical and Electronics Engineers (IEEE).

Since 1985, he has been a consultant to several companies in wireless communications.