

Abstract

About 3 decades ago in Korea, the strong demand for building the secure communication systems was raised by the government due to the military and political conflicts between two Koreas. The first priority at that time was to provide the top level confidentiality service in our own way since cryptographic technologies are very sensitive and export-controlled from the advanced countries. With the limited references on cryptography, a Korean team had to research and develop our own style secure devices used for radio communication for islands, data communication for diplomatic channels. etc. In this talk, the speaker will introduce how the cryptographic research was advanced and an interesting history on developing Korean block ciphers compared with international progress mainly discussed at Crypto conferences. This will help the audience to understand the current researches in Korea.