A former biometrics professor at the Polytechnic Institute of New York University, Bon Sy has made numerous contributions to the development and implementation of biometric technology. Many companies nowadays use the physiological or behavioral characteristics of their employees as a means of identification. However, there are still privacy and security issues with the technology that require further development.

To find an answer to the problems in terms of implementing biometric technology, Bon Sy currently conducts research regarding the secure information processing of private data. The goal of the research is to find a way for multiple biometric security vendors to exchange private data without actually giving away personal information.

He also pushes for the further development of biometric technology through voice biometrics. In addition, he advocates the development of biometric technology relying on centralized video surveillance software such as Zoneminder.