



TECH TALK
BIONYM

“The Nymi and Your Identity”

Dr. Karl Martin (CEO and Co-Founder, *Bionym*)

Speaker Bio

Karl Martin is the CEO and co-founder of Bionym. He holds BAsC (Engineering Science, 0T1), MASc (ECE, 0T3), and PhD (ECE 1T0) degrees, all from the University of Toronto. His expertise is in biometrics, security, and privacy. He has served as an expert witness in these areas and was also an instructor for a senior level ECE course at UofT. He has been quoted by several major media outlets, including the CBC, CNN, BBC, The Economist, The New York Times, Time Magazine, and Wired. He is also an active volunteer within the IEEE Toronto Section.



Abstract



This talk introduces the world's first wearable technology device that seeks to create persistent identity. The Nymi uses a wearer's unique electrocardiogram (ECG) to authenticate. Once authenticated, it is then able to send off a secure, digitally signed credential to nearby devices through Bluetooth Low Energy, using proximity detection and gesture recognition to create a seamless, dynamic experience. The Nymi will not only be able to replace older identity prompts such as passwords, PINs and keys, but will also allow for personalized experiences in retail, hospitality and more. Think about how your technology would behave differently if it really knew who you were.