Frank R. Kschischang - nominated by the IEEE Canada

Frank Kschischang is a Professor of Electrical Engineering at the University of Toronto where, with the exception of a year as a Visiting Scientist at MIT, he has spent his entire academic career. Frank distinguished himself early with excellent research results, and over the years, has established himself as one of the top coding theorists domestically and internationally. His work on the trellis structure of codes and on their factor-graph representations is particularly strong. Frank's work spans both the theoretical and the practical, ranging from the Pontryagin duality of multiplicative and convolutional factor graphs, to the VLSI implementation of high-speed decoders.

Frank Kschischang has served the engineering community in many ways. He was Associate Editor for Coding Theory of the IEEE Transactions on Information Theory, and served as Chair and Technical Program Chair for several IEEE conferences. He will be the general co-Chair for the 2008 IEEE International Symposium on Information Theory to be held in Toronto. He has also served for many years as an executive member of the Canadian Society of Information Theory.

Frank Kschischang has been the recipient of many honours during his career including several "Professor of the Year" awards at the University of Toronto and Fellow of the IEEE. Tonight we have the opportunity to again bestow a well-earned honour on this distinguished engineer.

Ladies & gentlemen and Madam President, please welcome Frank Kschischang as a Fellow of the Engineering Institute of Canada.