



Alberto Leon-Garcia - nominated by IEEE Canada

Alberto Leon-Garcia is a pioneer in techniques for the design, operation and management of communication networks. His fundamental research on the characterization and modeling of various types of traffic flows in such networks has led directly to significant improvements in the design of algorithms and hardware for network switches, an area in which he is internationally recognized. The work ultimately led to the design and fabrication of an all-optical switch that led the industry by several years.

A remarkable feature of his work, beyond his outstanding research, has been in the area of professional training. His first textbook is now recognized as an engineering classic, in use by top universities around the world for almost two decades. His more recent second book is rapidly achieving like status. Alberto has also focused on the training of industry network professionals, having designed and implemented several very effective Master's programs geared to their needs. These programs have been enthusiastically endorsed by the Canadian telecommunications industries and count many senior executives among their graduates.

Alberto Leon-Garcia is a professor in the Department of Electrical and Computer Engineering at the University of Toronto. His career in fundamental and applied research, university education and the training of industry professionals has been truly outstanding. The impact of his enormous contributions is felt in every corner of the telecommunications sector in Canada and abroad. How fortunate we are this evening to be joined by Alberto so that we can also recognize his accomplishments in Canadian engineering. A most fitting way to do so is by the conferring of an EIC fellowship.

Ladies & gentlemen and Mr. President, please welcome Alberto Leon-Garcia as a Fellow of the Engineering Institute of Canada.