



Savvas Chamberlain - nominated by IEEE Canada

Savvas Chamberlain founded DALSA Corporation in Waterloo in 1980 and today serves as its Chairman. DALSA is a world leader in the design and manufacture of ultra-high performance image sensors and professional digital cameras. During his 30-year career as a professor at the University of Waterloo, Savvas Chamberlain made many important contributions and published more than 100 papers in refereed scientific journals and conference proceedings. He was integral to building a world-class electrical engineering program and through his efforts and leadership, the University's first microelectronics laboratory was established.

Savvas Chamberlain has led a distinguished scientific career making numerous important contributions to the field microelectronics. His research significantly contributes to the theory of modeling and design of small geometry VLSI MOSFET devices which are used globally in the semiconductor industry to design higher performance devices such as microprocessor silicon chips and cell phones. His contributions also include quantum efficiency improvements in photodiodes, and a new theory in charge transfer efficiency in small geometry charge-coupled devices (CCDs). This work is used to design high speed, high sensitivity CCD image sensors in industrial and consumer digital cameras. His work enables the introduction of new CCD technology which now proliferates DALSA Corporation and companies worldwide.

Savvas Chamberlain is a generous supporter of the University of Waterloo as well as many local charities, and has served as a member on many professional committees. He is a Fellow of the Canadian Academy of Engineering and the IEEE, Distinguished Professor Emeritus and Honorary Degree recipient of the University of Waterloo, and Premier's Catalyst Award winner for Lifetime Achievement in Innovation. Tonight we honour a distinguished career with Fellowship in the EIC.

Ladies & gentlemen and Mr. President, please welcome Savvas Chamberlain as a Fellow of the Engineering Institute of Canada.