



The Engineering Institute of Canada

2023 Award Citation

EIC Fellow



Alfred Yu

Nominated by IEEE Canada

Dr. Alfred Yu, Professor at the University of Waterloo, is an internationally renowned innovator, leader, and educator in ultrasonics. His inventions in high frame rate ultrasound imaging have transformed clinical ultrasound scanners and have critically advanced cardiovascular diagnostics. His landmark discoveries in therapeutic ultrasound have bridged the knowledge gap between ultrasonics and biology. Alfred's professional achievements have been recognized by numerous prestigious prizes, including NSERC E.W.R. Steacie Memorial Fellowship, IEEE Ultrasonics Early Career Investigator Award, Frederic Lizzi Award, and Ontario Early Researcher Award. He is an AIUM Fellow.

Alfred is a distinguished, multifaceted leader in professional organizations. He is the Editor-in-Chief of the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (UFFC). He is also the Program Chair of IEEE Ultrasonics Symposium, and a Community Leader of the AIUM Basic Science & Instrumentation Group, and a board member of IEEE UFFC Society and ISTU.

Alfred is also an outstanding educator. He received the IEEE Real World Engineering Project Award for his design of high-quality, tested, society-focused project courses for engineering students worldwide. He inaugurated the IEEE Ultrasonics School Series that has now become the flagship education event of the IEEE UFFC Society. He is the Past Chair of ISTU Education Committee.

Ladies and gentlemen, and Ms. President, please welcome Alfred Yu as a Fellow of the Engineering Institute of Canada.