



EIC Fellow

Hugh H.T. Liu

Nominated by IEEE Canada / Canadian Society for Mechanical Engineering

Dr. Hugh H.T. Liu, a Professor at the University of Toronto Institute for Aerospace Studies, is an internationally renowned researcher in aircraft systems and control. Before his academic appointment, he had several years' industrial experience, leading the development of aircraft environmental control systems. He has made significant research contributions in autonomous unmanned systems development, cooperative control, multidisciplinary design optimization for aircraft systems, fault detection and active fault tolerant control for flexible aircraft, as well as integrated modeling and simulation.

Dr. Liu has published 45 technical papers in leading journals, over 130 papers in prestigious international conferences, and 3 book chapters, and received a US/Canada patent for his work on motion synchronization. Much of his research has been demonstrated successfully for engineering applications, and he has created a start-up to commercialize technologies developed in his lab. A leader in his professional community, Dr. Liu serves on editorial boards and technical committees of international professional societies.

He is a Fellow of CSME, an Associate Fellow of AIAA, and active member of IEEE and CASI. Dr. Liu's work was recently honored with an Inventor of the Year Award from the University of Toronto.

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