

Jean W. Zu - nominated by the Canadian Society for Mechanical Engineering

Jean Zu is a Professor in the Department of Mechanical and Industrial Engineering at the University of Toronto. As a researcher in the field of vibration and dynamics, her main contributions have been in the modeling and simulation of nonlinear vibration systems, particularly automotive belt drives. Applying her expertise, she has successfully collaborated over the past decade on research projects with many organizations, the most prominent of these being Tesma International and Litens Automotive Group, a subsidiary of Magna International. She and her research team developed two commercial software packages on the static and dynamic analysis of automotive accessory belt drive systems and automotive timing belt drive systems. This software has greatly enhanced these companies' product design, function and reliability, allowing them both to gain significant competitive advantage and increase revenues.

Jean Zu has devoted much time to the CSME, serving as Membership Chair and now as Senior Vice President. As Membership Chair, Jean introduced several initiatives to promote membership including the design of a new brochure, the introduction of new membership regulations and the organization of CSME workshops, Student Nights and the CSME Forum. As a result of her efforts, CSME membership has strengthened.

We are pleased to have this opportunity tonight to pay tribute to Jean Zu for the many contributions she has made to her University, to industry in Canada, to the engineering profession and to the Canadian Society for Mechanical Engineering.

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