



Jesse Zhu - nominated by the Canadian Society for Chemical Engineering

Jesse Zhu is a Professor and Canada Research Chair in the Department of Chemical and Biochemical Engineering, Particle Technology Research Centre, at the University of Western Ontario. He is a world-leading expert in and has made major contributions to the application and understanding of particle technology. His work has contributed in particular to the chemical, materials, pharmaceutical and environmental industries, with several technologies licensed in Canada and internationally.

Jesse Zhu's major contributions to particle technology have resulted in significant advances in fine powder flow enhancement technologies, powder feeders and dispensers; hydrodynamics and scale-up of circulating fluidized beds; flow and regime demarcation in downer reactors and turbulent fluidized bed reactors; and development of circulating fluidized beds for liquid-solid and gas-liquid-solid bioreactors. Jesse's pioneering work in applying liquid-solid fluidized bed reactors to the biochemical and environmental industry has led to several new technologies including an extremely efficient wastewater treatment technology.

Jesse Zhu has chaired and co-chaired several national and international conferences and has served on the editorial boards of many journals. He has received many prestigious awards including the Syncrude Canada Innovation Award for his distinguished contributions to the field of chemical engineering, and the Bantrel Award in Design and Industrial Practice for significant achievement in product or process design or multidisciplinary design-directed research or production. He was elected a Fellow of the Chemical Institute of Canada and was recently inducted as a Fellow of the Canadian Academy of Engineering. We take pride this evening in adding to this impressive list of accolades by welcoming Jesse Zhu into the ranks of EIC Fellows.

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