



The Engineering Institute of Canada

2023 Award Citation

K.Y. Lo Medal

(recognizes significant engineering contributions at the international level)



Jingxu (Jesse) Zhu

Nominated by the Canadian Society for Chemical Engineering

Dr. Jesse Zhu is a Distinguished University Professor and CRC-Tier 1 at Western University. He is a world-renowned expert in particle technology and multiphase systems with more than 480 journal publications, over 50 granted patents, and total citations over 19,000 (Scopus H-index 56 and Google Scholar 67).

Working closely with students, colleagues and industry, he has made outstanding contributions in many areas of particle technology, including the development of several new fluidization theories and the extensive experimental and modelling work on new types of fluidized reactors. Several technologies from his research have been successfully converted to commercial applications in chemical, materials, environmental and pharmaceutical industries in Canada and abroad.

Dr. Zhu has received many awards, including the R.S. Jane award from the Canadian Society for Chemical Engineering, the Life-time Achievement Particle Technology Award from the American Institute of Chemical Engineers, and the Hellmuth Prize from Western University. Zhu is also a Fellow of the Engineering Institute of Canada, Royal Society of Canada, and Canadian Academy of Engineering. He has also chaired 20+ professional conferences in Canada and internationally.

Ladies and gentlemen, and Ms. President, please welcome Jesse Zhu as a recipient of the 2023 KY Lo Medal of the Engineering Institute of Canada.