

EIC Fellow

Jiujun Zhang

Nominated by the Canadian Society for Chemical Engineering

Since Dr. Zhang joined the National Research Council of Canada (NRC), he has played a bridging role for both fundamental engineering and emerging engineering issues. Through extensive collaboration with industries, he has developed many collaborations both nationally and internationally, which have been of great value in promoting engineering advances in local and National Canadian companies.

Dr. Zhang has been a major contributor to electrochemical engineering science and technology, and has achieved a strong international reputation and recognition for his work on catalysis and electro-catalysis for various applications. One important area of Dr. Zhang's work addresses the major barrier that hinders Polymer Electrolyte Membrane Fuel Cell commercialization, that is the use of expensive platinum catalysts.

The outcome of Dr. Zhang's (and his team's) research work has resulted in collaborations with major companies, such as Ballard, AFCC and Toyota, and the transfer of generated core knowledge of catalysts and catalyst layers to Canadian fuel cell developers helping to accelerate their commercialization processes. He has also been an invited or keynote speaker, and a chairman/co-chairman for several national and international engineering related conferences and workshops, demonstrating his leading status in the global engineering science and technology community.

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