



Zhe (Rita) Liang

Senior Combustion Scientist

Hydrogen Technologies Directorate, Canadian Nuclear Laboratories



Zhe (Rita) Liang holds a Ph.D. in Mechanical Engineering from the University of Calgary. She currently serves as a Senior Combustion Scientist at Canadian Nuclear Laboratories (CNL) in the Hydrogen and Tritium Technologies Directorate, where she leads a team and directs hydrogen safety research projects relevant to the nuclear and clean energy industries. Her present work involves developing risk assessment tools, leading experimental studies on hydrogen dispersion, combustion, and recombiner technologies, and representing CNL in international forums. Before this role, she was a Combustion Scientist in the Reactor Safety Division, where she led hydrogen programs supporting the CANDU industry and Canadian Nuclear Safety Commission.

Dr. Liang has participated in numerous international collaboration projects sponsored by the OECD and the European Commission, and she chaired a committee of members from 15 OECD countries for a report on hydrogen management. She is highly active in the professional community, serving as the Vice President for the International Association for Hydrogen Safety (2021-2024) and as a Registered Professional Engineer in Ontario, Canada. She is also a regular reviewer for several international journals on hydrogen energy and nuclear engineering.