

Webinar Invite

Join us on March 20, 2024, 8:30 a.m. EST (UTC-4)

Overview of Canadian R&D Capabilities to Support Advanced Reactors

Growing concerns regarding energy security and climate change are driving increased interest in nuclear power as a clean energy option, including small modular reactors (SMRs) that employ a range of technologies and open new roles and markets. SMRs are advanced nuclear reactors that have a power capacity of up to 300 MW(e) per unit which extend beyond traditional reactors, offering the opportunity of safer, cheaper, and more efficient generation of emissions-free electricity, as well as heat for industrial processes. Various institutions within Canada such as universities and Canadian Nuclear Laboratories are conducting research, collaborating at the national and international level and are participating in Government of Canada programs to establish capabilities to support the safe design, deployment and future operation of SMRs. An overview snapshot of the SMR deployment landscape in Canada and innovative supporting research within Canada will be discussed.

Free webcast!



March 20, 2024
8:30 am EST (UTC-4)

Register NOW at:

<https://attendee.gotowebinar.com/register/7529902463690815322>

Who should attend:
policymakers, managers,
regulators, students, general
public



Ms. Lori Walters, Manager of the Advanced Reactor Materials & Chemistry Branch at Canadian Nuclear Laboratories (CNL), is responsible for a team of 30 scientists, engineers and technologists who focus on materials and corrosion testing under CANDU and advanced reactor conditions including supercritical water, high temperature gas and molten salt environments. She has been with CNL for over 28 years providing technical and programmatic leadership on both CANDU technologies and GEN IV systems. Ms. Walters holds BSc and MSc degrees in Mechanical Engineering from the University of Manitoba. And during her time at CNL has established technical expertise in the areas of irradiation deformation and damage of in-core materials, materials performance, and in-core testing.

Upcoming Webinars

17 April 2024, Multiphysics Depletion & Chemical Analyses of Molten Salt Reactors, Dr. Samuel Walker INL, USA

22 May 2024, GIF/IAEA panel discussion on Regulatory Activities in support of SMRs and Advanced Reactor Systems

05 June 2024, Directed Energy Deposition Process of Corrosion Resistant Coating for Lead-Bismuth Eutectic Environment, Gidong Kim, UNIST, Korea