

## Course Overview

**Note: There is no pre-requisite for this course. Even if you did not take Part 1 of the course in 2020 November, there is no problem, you can still register for this offering.**

The CNS CANDU Technology and Safety Course, held for the last many years in a physical setting over 3 days in March, has had to be cancelled/postponed to 2022 March on account of the COVID-19 pandemic.

In order to provide a partial replacement for the full course, an on-line course is being organized, offered over a number of days separated in time. The first slice took place on 2020 November 13, and the second slice will now be offered on two half-days, 2021 March 22 and 23, from 8 am to 11:30 am (Toronto local time).

This on-line offering will have a small number of presentations on the technology of CANDU reactors, on:

- CANDU fuel management and operation
- Detectors for CANDU safe operation,
- Nuclear Steam Supply System (NSSS) and BOP, and
- Reactor and plant **control**.

The CNS is presenting this course to enhance the professional and technical capabilities of its members (and non-members) working in, or interested in, the nuclear industry. The course is ideally suited for beginning professionals, but also beneficial to experienced professionals. Come broaden your nuclear knowledge beyond your specific area of work and your own area of expertise.

## Course Agenda

### 2021 March 22, Toronto local time (am)

08:00 Opening remarks, instructions

08:10-9:40 “CANDU Fuel Management and Operation”, by Ben Rouben, 12 & 1 Consulting

9:40-10:00 Break

10:00-11:30 “Detectors for CANDU Safe Operation”, by Jingliang Hu, SNC-Lavalin Candu Energy Inc.

### 2021 March 23, Toronto local time (am)

08:00 Introduction, Feedback

08:05-9:35 “Nuclear Steam Supply System (NSSS) and BOP”, by George Bereznai, Ontario Tech University

9:35-9:50 Break

9:50-11:20 “Reactor and Plant **Control**”, by Gilbert Raiskums, Terrestrial Energy

11:20 Closing remarks

### Registration

Please register on-line via the link on the Course web page, which you can reach directly by [clicking here](#) or via the [CNS web site](#).

The registration fees are shown below, and include HST (HST # 87048889RT)

- CNS Member: \$150.00 [Must be a CNS member in good standing]
- Non-CNS Member: \$200.00
- CNS Full-Time Student Member or CNS Retiree Member: \$75.00

# CNS SHORT COURSE ON CANDU REACTOR TECHNOLOGY (ON-LINE) – Part 2



**Organized by:**  
**The Canadian Nuclear Society**  
**Nuclear Science & Engineering**  
**Division**

**2021 March 22-23 (Toronto Time,  
Mornings Only)**

**Course held on-line**  
**(Connection details to be  
communicated later)**

Course contact (not for registration):  
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For registration questions, contact  
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