

## **CNS Nuclear-101 Course, Ottawa, 2015 March 30 - 31**

A general-level background outreach course for people working in the Industry as well as anyone interested in obtaining a good understanding of Nuclear issues.

**Date/Venue:** 2015 March 30 - 31; Courtyard by Marriott Downtown Ottawa, 350 Dalhousie St., Ottawa, K1N 7E9

**Instructors:** Doug Boreham, Jason Donev, Jeremy Whitlock

### **Course Summary**

The course includes three modules:

#### **1. Nuclear Fuel Cycle (JD)**

Basic introduction to energy flow, nuclear theory and how nuclear power stations work. An overview of the nuclear fuel cycle (exploration, mining, processing enrichment and nuclear power generation), nuclear waste storage and reprocessing.

#### **2. Nuclear Myths and Reality (JW)**

Review of nuclear history of nuclear power, nuclear accidents, and nuclear benefits to society. Common public misperceptions and how to deal with them. Frequently-Asked-Questions about nuclear technology, and effective ways to answer them to a non-technical audience.

#### **3. Radiation and Risk (DB)**

Ionizing radiation and its affect on the environment and the human body. Overview of safety, particularly in the context of nuclear accidents. Risk and the public perception of radiation.

### **Timetable**

Day 1	7:45-8:30 am	Breakfast (provided)
	8:30 – 8:45 am	Course overview. Introduction of Instructors
	8:45 – 12:00 am	Introduction to Nuclear Theory and the Nuclear Fuel Cycle
	(10:00-10:15	Coffee Break)
	12:00 – 1:00 pm	Lunch (provided)
	1:00 – 4:15 pm	Nuclear Myths and Reality
	(2:30-2:45	Coffee Break)
Day 2	8:00-8:45 am	Breakfast (provided)
	8:45 – 12:00 am	Radiation and Risk
	(10:00-10:15	Coffee Break)
	12:00 – 1:00 pm	Lunch (provided)
	1:00 – 4:00 pm	Demonstrations / Question period / Panel Discussion