



IEEE

**Ottawa
Section**



Seminar by IEEE Ottawa PES, RS, and IMS Chapters, Ottawa Educational Activities, and Algonquin College IEEE Student Branch

The IEEE Ottawa Section is inviting all interested IEEE members and nonmembers to a seminar on

***Nuclear Power Plant Incident in Fukushima, Japan
Events and Implications - a Canadian Perspective***

By

Fred Boyd, FEIC, Canadian Nuclear Society

DATE: Friday, September 23, 2011.

TIME: Refreshments, Registration and Networking: 18:30; Seminar: 19:00 – 20:15

PLACE: [Algonquin College, B-Building](#), Room B156, 1385 Woodroffe Ave., Ottawa.

PARKING: No fee after 5 p.m. at the Parking Lots 8 & 9. Please respect restricted areas.

Abstract

An illustrated account will be given of the events and consequences on the nuclear power units at the Fukushima Dai-ichi plant in Japan caused by the major Richter scale 9 earthquake and ensuing tsunami of 11 March 2011. This presentation will focus primarily on the most significant events at the plants that led to fuel failures and release of radioactive substances. The extent and nature of those releases will be noted. The action of the Japanese government and the reaction of the international community will be mentioned. A very brief introduction to nuclear power will be offered for those who have not taken “Nuclear 101” and, in conclusion, the action of the Canadian regulator including some comparisons of the design of the Fukushima reactors and CANDU.

Fred Boyd’s Bio

Fred Boyd spent most of his working career in the nuclear power field. He was a member of the core team that designed NPD – the first CANDU reactor. Then he joined the Atomic Energy Control Board (AECB), the nuclear regulatory agency, now called the Canadian Nuclear Safety Commission, as the first nuclear safety officer. Subsequently, he became head of nuclear facility licensing and oversaw the review and licensing of the Pickering A and Bruce A nuclear power plants. He moved to the Department of Energy, Mines and Resources as the first nuclear policy advisor. Through the International Atomic Energy Agency (IAEA) he spent most of a year advising the Ministry of Science and Technology of Korea on the creation of a nuclear safety regulatory organization. He returned to the AECB as a senior advisor and head of a special program to assist countries acquiring or interested in CANDU nuclear plants in developing their own nuclear safety organizations.

Since official retirement he has been active with the Canadian Nuclear Society including publishing and editing its quarterly combined technical and news publication, and was partner for several years in a consulting company. Over the years, he has been an advisor, through IAEA and bilaterally, to several countries on their nuclear regulatory programs, including Argentina, Brazil, Iraq, Indonesia, Korea, Pakistan, Romania, Taiwan, and Thailand.

Admission:

Free. Registration required.

Please register by e-mail contacting: branislav@ieee.org or almuhtadi@ieee.org