



Canadian Nuclear Society

Chalk River Branch

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<http://www.cns-snc.ca/branches/ChalkRiver>

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“CANTEACH – Preserving CANDU Technical Knowledge”

Almost sixty years have passed since the nuclear energy venture began in Canada. CANDU technology is well into its second century. This speciality in the world's fission technology community is unique, first because it was established as a separate effort very early in the history of world fission energy, and second because it grew in an isolated environment with tight security requirements in its early years. Commercial security rules later sustained a considerable degree of isolation.

The pioneers of CANDU technology development have finished their work. Most of the second generation also has moved on. As yet, there is no consistent and complete record of this remarkable achievement. The CANDU design legacy has not been captured in a form that is readily accessible to the current and future generation of professionals involved with CANDU reactors, be they students, designers, operations staff, regulators, consultants or clients.

For many years it has been recognized that a “CANDU textbook” is needed. The large volume of existing documentation describing CANDU systems and operations is repetitious and very little of it details why CANDU is designed the way it is. How can designs evolve appropriately and how can retrofits and design changes be implemented if the “whys” are not elucidated? How are the greying experts passing on their knowledge and wisdom? It is this need that the CANTEACH project is striving to fill.

The CANTEACH project has the objectives of (1) capturing the existing legacy non-proprietary documents and images and making them available to all, and (2) distilling the essence of these documents so that the key concepts and the relations between them can be elucidated. CANTEACH is meant to be a resource for CANDU content. As such, it is a perfect complement to education and training delivery in the utilities, at consulting companies, and at colleges and universities. Dr Meneley's presentation will outline the CANTEACH project, its present status and its future plans, and will explain how to go about contributing information to the project.

Dan Meneley received a PhD in Reactor Physics from the University of London in 1963. He was the Group Manager (Nuclear) at Ontario Hydro from 1982 to 1984, and Professor of Nuclear Engineering at the University of New Brunswick from 1984 to 1991. He was Chief Engineer of AECL from 1991 to 1998, and upon his retirement in October 2001 became an AECL Engineer Emeritus. He is a Fellow of the Canadian Nuclear Society and the American Nuclear Society, and was a member of the IAEA INSAG from 1985 to 1988.

Dan Meneley

Project Director, CANTEACH

8:00 PM

Thursday, November 27, 2003

Refreshments will be served – ALL WELCOME!

Further information: Michael Stephens at CRL 4060



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Bennett / Mackenzie Room, J.L. Gray Centre (*rear entrance*)

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