



## Canadian Nuclear Society / Société Nucléaire Canadienne

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*“Supporting nuclear science and technology for 25 years”  
“25 ans de promotion de la science et de la technologie nucléaires”*

# At the Controls of a CANDU Reactor - Responsibilities, Organization and Challenges

Nuclear power plants are designed and operated with the understanding that the control room operator is responsible for all aspects of plant safety and production. The control room operator plans, organizes, and directs plant operations, and configures and supervises automated systems and other shift resources to achieve operational objectives.

In practice, what are control room operators called on to do? How are their duties organized and performed? How is the control room environment organized to support them? What tools and resources do control room operators rely on in performing their duties? How are the duties of other members of the shift team organized in support? What workplace challenges do control room operators regularly face? This talk will provide a window into the operating environment and shift duties of CANDU control room operators.

Eric Davey is a human factors engineer with Crew Systems Solutions. He has over twenty years of nuclear industry experience in operations analysis, human and systems performance assessment, and instrumentation and computer systems development.

For the past ten years, Eric has worked closely with staff from several CANDU utilities and other organizations to identify, develop and evaluate control centre improvements to better support Operations staff in both normal and abnormal plant operations.

Eric received his engineering education at the University of Toronto in Electrical Engineering and the University of New Brunswick in Biomedical Engineering.

**Eric Davey**  
**Crew Systems Solutions**

**8:00 PM**

**Thursday, April 01, 2004**

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

Refreshments will be served – ALL ARE WELCOME!

*Further information: Morgan Brown at CRL 584-8811 extn 4247*