

The INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, Inc.
Eastern Idaho Section
Idaho Falls Informal Seminars

TOPIC: ICIS/IEEE/ISA “Brew with the Crew” presents:
Operator Performance at Nuclear Power Plants.

SPEAKER: Ronald Boring, Idaho National Laboratory

DATE: Thursday, July 15, 2010

TIME: 4:30P.M.

PLACE: Hard Hat Steakhouse and Grill, 1175 Pier View Drive (Snake River Landing), Idaho Falls, Idaho

COST: Order your drinks from the menu. Light hors d'oeuvres provided by the crew organizers.

IEEE members make plans to join your colleagues for the informal technical seminar series event “Brew with the Crew” organized by the INL’s Instrumentation, Controls and Intelligent Systems (ICIS) Distinctive Signature, the Eastern Idaho Section of the Institute of Electrical and Electronics Engineers (IEEE) and the Idaho Falls branch of the International Society of Automation (ISA).

Abstract:

It has been reported that operating a nuclear power plant consists of "99% boredom and 1% sheer terror." This dynamic presents challenges to the operators of plants, who must retain vigilance in the face of routine monitoring yet be prepared to diagnose and respond to plant upsets at any moment. In this informal talk, I'll review some of the approaches used within human reliability analysis to model operator performance and some scenarios that challenge modeling, including the changing role of the operator in newer digital and automated control rooms.

Biography:

Ronald Laurids Boring, Ph.D., is a Human Factors Scientist at Idaho National Laboratory, where he is researcher and principal investigator on projects for the US Nuclear Regulatory Commission and the US Department of Energy. He previously worked as a human reliability researcher at Sandia National Laboratories, a usability engineer for Microsoft Corporation and Expedia Corporation, and as a guest researcher in human-computer interaction at the National Research Council of Canada. He recently completed a one-year assignment as a visiting scientist at Halden Reactor Project in Norway. Dr. Boring has a BA in Psychology and German from the University of Montana, an MA in Human Factors and Experimental Psychology from New Mexico State University, and a PhD in Cognitive Science from Carleton University. He was a Fulbright Academic Scholar to the University of Heidelberg, Germany. He has published over 80 research articles in a wide variety of human reliability, human factors, and human-computer interaction forums. He has served on the organizing committees for international conferences held by the Human Factors and Ergonomics Society, IEEE, and the Association for Computing Machinery.

*Brew with the Crew is an after work event, that takes place every third Thursday of the month at the Hard Hat Steakhouse and Grill to provide an opportunity for instrumentation, control and intelligent systems researchers and practitioners to interact with others in their community.

Make your every third Thursday plans to attend the Brew with the Crew. The rest of the schedule:

August 19 To be announced

September 16 Lee Shun – *Idiot’s Guide to Modeling: A Universal Plug-and-chug Machine for Model Creation*

October 21 To be announced

November 18 Miles McQueen – *The Bad Guy in Cyber Security*

*** VISITORS AND NON-MEMBERS ARE WELCOME ***

PLEASE POST IN YOUR AREA