

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

TOPIC: ICIS/IEEE/ISA “Brew with the Crew” present: Dual-ing Robots

SPEAKER: Eric D. Larsen, Idaho National Laboratory

DATE: Thursday, June 18, 2009

TIME: 4:30P.M.

PLACE: Brownstone, 455 River Parkway, Idaho Falls, Idaho

COST: Light refreshments provided.

Abstract:

IEEE members – make plans to join your colleagues for the May 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).

Eric Larsen will present “*Dual-ing*” Robots, discussing the complexities of integrating two articulated six-axis robots mounted to a rotating bearing to remotely perform welding, inspection and repair of canisters for spent nuclear fuel. The task was completed using National Instruments Real Time computer hardware and Labview to tie together welding, inspection and robotics systems.

Biography:

Eric D. Larsen is a mechanical engineer at the Idaho National Laboratory with 19 years of experience in design and integration of electro-mechanical and industrial robotics systems. Mr. Larsen is the chief architect of software integration for the Yucca Mountain Waste Package Closure Welding and Inspection System. He has seven U.S. Patents and is a member of the INL Inventor Hall of Fame.

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

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

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