

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

TOPIC: ICIS/IEEE/ISA “Brew with the Crew” presents: So my instrument has to survive the bumpiest ride from earth?
SPEAKER: Robin Stewart, Idaho National Laboratory
DATE: Thursday, August 18, 2011
TIME: 5:00P.M.
PLACE: The Zone, 1505 West Broadway, Idaho Falls, Idaho
COST: Order your drinks from the menu. Light hors d'oeuvres provided by the crew organizers.

Abstract:

The topic for tonight is the testing required for a product to survive both the environment in a inter planetary launch vehicle, or the rigors encountered during the sometimes violent Entry Decent and Landing sequence required for the Mars Science Laboratory. Robin will discuss the testing standards required, why a small subset of that testing is performed at the INL and highlight some interesting results from testing.

IEEE members make plans to join your colleagues for the August 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 for Electrical and Electronics Engineers (IEEE) and the Idaho Falls branch of the International Society of Automation (ISA).

Biography:

Prior to working at the INL, Robin performed a myriad of jobs, ranging from reporting at the Death Valley Gateway Gazette in Nye County Nevada, to fighting wild land fires for 10 years with the Bureau of Land Management.

Arriving at Argonne National Laboratory almost 21 years ago, Robin joined the Integral Fast Reactor hot cell design team that created the current in cell automation equipment and process / facility control system at the MFC Fuel Cycle Facility, soon to be renamed the current Fuel Conditioning Facility. In the following years, Robin and the Digital Controls and Instrumentation Group (DCIS) were able to create and repair several automation systems for the lab.

During his tenure as the DCIS Group Leader, Robin assisted with the design and installation of automation, as well as the resurrection of legacy testing equipment in the new Space and Security Power Systems Facility. That association with the Radioisotope Power Systems Department resulted in a transfer to that divisions engineering department, initially in Instrumentation and Software, leading to a recent transfer into the divisions vibration engineering role.

Robin has worked on several heat source products, the General Purpose Heat Source (GPHS) Radioisotope Power System (RPS) used on the Pluto New Horizons spacecraft, and the Multi Mission Radioisotope Thermoelectric Generator (MMRTG) RPS unit that will power the Mars Science Laboratory, Curiosity.

The Bulletin:

See other section news and information at <http://www.easternidahoieee.org/news.htm>

*Brew with the Crew is an after work event, that takes place every third Thursday of the month at The Zone 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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