

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

TOPIC: ICIS/IEEE/ISA “Brew with the Crew” presents: Baking fuel in a “Hot” oven for a delectable outcome
SPEAKER: James Smith, Idaho National Laboratory
DATE: Thursday, October 20, 2011
TIME: 4:30P.M.
PLACE: The Zone, 1505 West Broadway, Idaho Falls, Idaho
COST: Light hors d'oeuvres provided by the organizers. Order other items at your expense.

Abstract:

Much like a fine baker, materials and fuel designers have to know their ingredients and processes to a fine degree. To be able to evolve microstructure with a prescribed in situ process, an effective measurement infrastructure must exist. This interdisciplinary infrastructure needs to be developed in parallel with in situ sensor technology. This presentation discusses the essential elements in an effective infrastructure. A potential example where proper "cooking" of material can evolve microstructure with a prescribed process will be given.

IEEE members make plans to join your colleagues for the October 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:

Jim was born and raised in Iowa. He attended Iowa State University for his BS and Texas A&M for his graduate degrees. He has worked at Corning and the Mayo Clinic prior to the INL. Innovative and goal oriented Systems Engineer/Project Manager with over 10 years of diverse experience who thrives on solving complex and ambiguous opportunities from first principles. Diligent in envisioning new possibilities and developing visionary strategies that progress toward a shared vision. Ph.D. known for quickly turning system concepts into plant prototypes by developing close collaborations and understanding customer needs. Specializes in developing products and processes through pioneering measurements and data analysis techniques. Strong commitment to documentation and continuing education.

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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