

IEEE Palouse Section Meeting September 25, 2008

Dear IEEE Member: You are invited to the Palouse Sections meeting

Speaker: Dr. Jim Alves-Foss, Professor of Computer Science
Director, Center for Secure and Dependable Systems
University of Idaho

Presentation: Certification and Verification of High-Assurance Software for Real-Time Embedded Systems

When: Thursday, September 25, 2008
6:00 PM – Social with Pizza
6:30 PM – Presentation

Where: University of Idaho, Engineering Physics Bldg., Room EP122
The EP building is bracketed by Gold parking lots 14 and 15 in this map:

Map: <http://www2.dfa.uidaho.edu/ceis/parkingtest/Maps/Final%20Campus%20Map%2008-09.pdf>

Abstract

On a very regular basis we hear about computer failures and computer security breaches, whether it is an email virus, a worm or a machine “blue-screening”. The impact of these problems with our computer systems can range from a little lost productivity, through lost data files, lot availability or catastrophic system failures and loss of life. In this talk I will discuss some of the root causes of these failures and efforts to overcome these problems. I will highlight the successes we have had in the Center for Secure and Dependable Systems in addressing these problems and discuss how we are transferring these technologies to industry.

The Speaker:

Dr. Alves-Foss received his BS in Computer Science, Mathematics and Physics and both his MS and PhD in Computer Science from the University of California at Davis. He joined the Computer Science faculty at the University of Idaho in 1991. During his tenure at UofI he helped establish the PhD program in Computer Science, co-founded the Center for Secure and Dependable Systems which he now directs, published over 90 scientific articles in journals and conferences, mentored 13 PhD students and 20 MS thesis studies to completion and has been Co-PI on over \$11 Million in external funding for UofI. He is currently working with industry, transferring technology from his laboratory into industry practices. His research focuses on the design and analysis of high assurance software systems for critical systems.

RSVP to Greg Donohoe: gdonohoe@ieee.org