IEEE Montana Section
December 8, 2010 Meeting Announcement

Reconfigurable Computing & Turing Machines

Dr. Bob Ray

NASA Marshall Space Flight Center

Bob Ray is with NASA's Advanced System Avionics (ASA) project within the Enabling Technology Development and Demonstration (ETDD) program, tasked to 'develop and demonstrate the technologies needed to reduce cost and expand the capability of future space exploration activities.' The ETDD program is involved with small-scale demonstrations in 5 technology areas: 1) In-Situ Resource Utilization, 2) High-Power Electric Propulsion, 3) Autonomous precision landing, 4) Human-robotic collaboration, and 5) Fission power systems. This talk will give an introduction to Turing Machines and discuss their utility in comparing various computing architectures. Dr. Ray will also discuss some of the current tasks within NASA's Advanced System Avionics (ASA) project.

Wednesday, December 8, 2010
General Meeting: 6:00 p.m.
Montana State University, 108 EPS
(Near 7th and Grant, South of Cobleigh Hall)
Free pizza!

Please call Richard Wolff at 994-7172 (or e-mail: rwolff@montana.edu) or sign up via the Section website, **http://ewh.ieee.org/r6/montana**, to make reservations by 6 p.m., December 7, 2010.