

IEEE Presentation
(MSU Student Branch & MT Section)

**“NASA's Exploration Technology Development
Program and its Role in Future Missions”**

Presented by:

Dr. Andrew Keys

NASA - Marshall Space Flight Center, Huntsville, AL.

**Wednesday, April 28, 2010
6:00 p.m. – 101 Roberts Hall**

Dr. Andrew Keys is the Project Manager of the Advanced Avionics & Processor Systems (AAPS) Project within NASA's Exploration Technology Development Program (ETDP). ETDP is the part of the Exploration Systems Mission Directorate (ESMD) which is tasked with developing the technology pieces needed for NASA's future missions. These range from radiation hardened computing systems to heavy lift rocket technology. Dr. Keys is also currently involved in defining what technology will be needed as NASA focuses on its proposed next missions (landing on an asteroid, going to Mars, etc...). Dr. Keys will give an overview of current projects underway within ETDP and how they will fit into the new direction of NASA. Also attending the talk is Dr. Bob Ray, the reconfiguration computing task leader within the Advanced Avionics and Processor Systems (AAPS) project. Dr. Ray and Dr. Keys have been collaborating with MSU over the past three years on exploiting reconfiguration hardware fabrics to provide radiation tolerant computing systems.

FREE Pizza and Pop will be provided by IEEE.

Send questions regarding this event to Brock LaMeres (lameres@ece.montana.edu, x5987)