

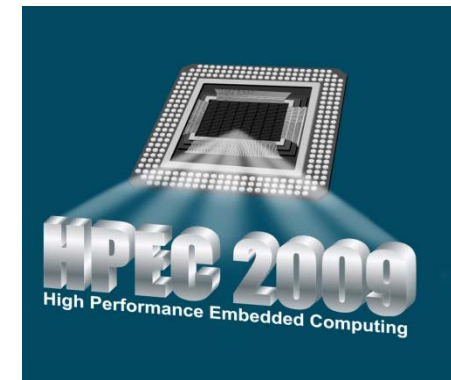
---

# Focus 1: Space Technologies

**Frank Pietryka / Raytheon Company**

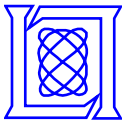
**HPEC Conference**

**22 September 2009**

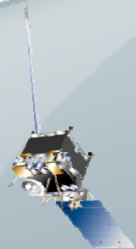


---

**MIT Lincoln Laboratory**



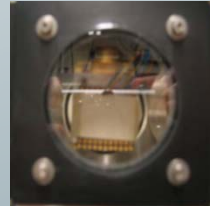
# Space Technologies



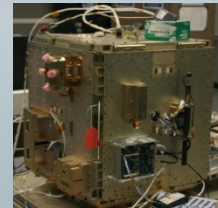
Fault Tolerant Computing – The S&T “Way Ahead” for Radiation Hardened Microelectronics



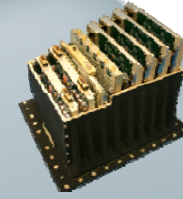
Real-time Processing for Wide Area Persistent Surveillance



The Future of FPGAs



Bringing the Vision of Plug-and Play to HPC on Orbit



High-performance Heterogeneous and Flexible Computing Architecture for Spacecraft IP Communications and Payload