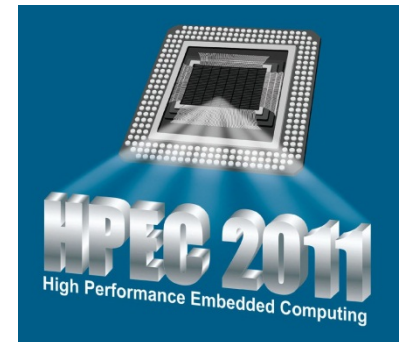


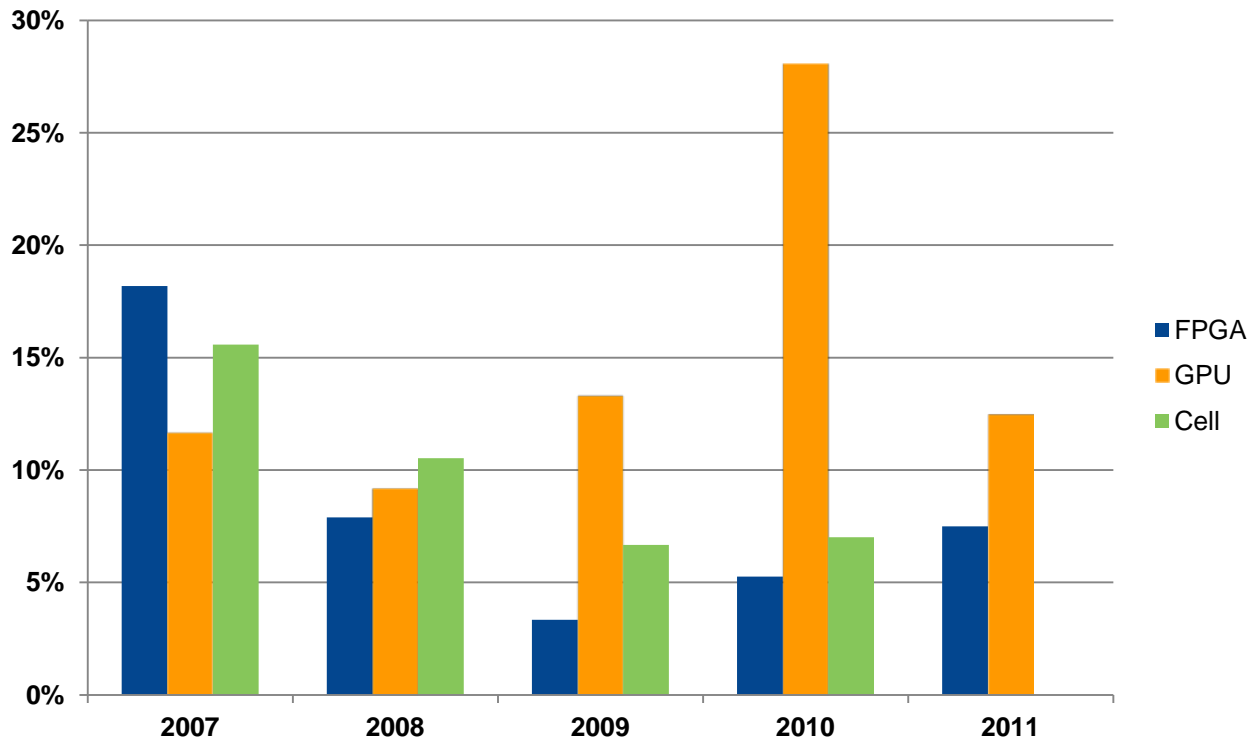
# Focus 3: GPU

Sharon Sacco / The MITRE Corporation

HPEC 2011



# HPEC Specialized Processor Abstracts 2007 - 2011



**FPGA interest has dropped, but interest remains**  
**STI Cell BE had a lot of interest and disappeared**  
**GPUs now dominate the specialized processor abstracts**

# Focus 3: GPU Agenda

***INVITED:*** How do you know your GPU or manycore program is correct?

- Miriam Leeser / Northeastern University

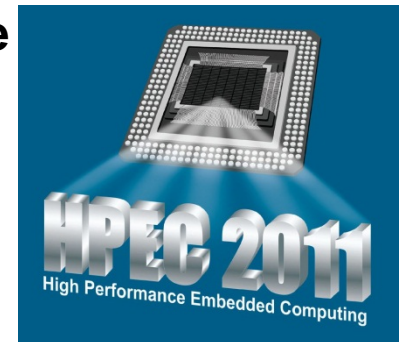
**Accelerating Bit Error Rate Simulation in MATLAB with Graphics Processors**

- James Lebak / The Mathworks

**Graphics Processor Clusters for High Speed Backpropagation**

- Daniel Campbell / Georgia Tech Research Institute

**Break (15 minutes)**



# Focus 3: GPU Agenda (cont.)

## Adaptable and Efficient Variable Size Template Matching in CUDA

- Andrew Shaffer / Applied Research Laboratory, Penn State University

## Android Application for Language Identification

- Pedro Torres-Carrasquillo / MIT Lincoln Laboratory

