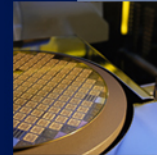
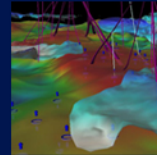
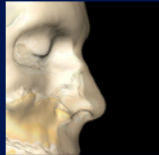


Computer Systems, Inc.
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Challenges Drive Innovation



GPU Focus Session HPEC 2007

September 19, 2007

- **Bandwidth of GDDR memory**
- **Dollars per FLOP**

- **Boards instead of chips (for high end GPUs)**
- **Rack density**
- **Not every algorithm
(NVIDIA's Parallel Data Cache helps)**
- **Driver/tools support only for x86 desktops
(ATI's recent release of documentation helps)**

- **Potential architectural convergence with Cell**

- **An invited talk from ATI**
- **A talk about NVIDIA's CUDA from a defense prime**
- **An FFT on GPU talk from Duke**
- **An exploration of GPU acceleration of STAP from SAIC**